Baseline Water Quality Data

Inventory and Analysis

Buffalo National 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

BUFFALO NATIONAL 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 Buffalo National River (BUFF) 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 (the watershed encompassing Buffalo National River) from the IFD, DRINKS, GAGES, and DAMS databases located four industrial/municipal dischargers; one drinking water intake; seven active or inactive U. S. Geological Survey (USGS) stream gages; and six water impoundments. The results of the STORET retrieval for the study area yielded 62,954 observations for 643 separate parameters collected by the NPS, USGS, EPA, Arkansas Department of Pollution Control and Ecology, and the University of Arkansas at 233 monitoring stations from 1945 to 1997. Approximately 62 percent of the observations in the study area were reported by the Arkansas Department of Pollution Control and Ecology[†]. Of the 233 stations, 13 stations within the study area (7 within the park boundary) were established in STORET but contained no data. One-hundred sixty five stations were located within the park boundary (see Station Period of Record Tabulation).

Most of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Forty-nine stations within the study area (45 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) Buffalo River near St. Joe, Arkansas (BUFF 0080); (2) Buffalo River near St. Joe, Arkansas (BUFF 0083); (3) Buffalo River near Rush, Arkansas (BUFF 0038); (4) Buffalo River near Harriet, Arkansas (BUFF 0050); and (5) Buffalo River near Boxley (BUFF 0225). The stations yielding the longer-term records within the study area, but outside of the park boundary, are: (1) Bear Creek below Marshall, Arkansas (BUFF 0069); (2) Bear Creek at Highway 65, 4 miles west of Marshall (BUFF 0071); (3) Bear Creek west of Marshall, Arkansas (BUFF 0068); and (4) Little Buffalo River at Jasper, Arkansas (BUFF 0157)[††].

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

[†]More than 76 percent (29,897 observations) of the Arkansas Department of Pollution Control and Ecology's 39,101 observations in the study area were collected by BUFF staff at 35 stations in and around the park from 1985 through 1996. The Department of Pollution Control and Ecology entered these data into STORET under their agency code for BUFF.

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

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 BUFF water quality criteria screen found 11 groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, cadmium, copper, lead, and zinc exceeded their respective EPA criteria for the protection of freshwater aquatic life. 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 2,873 times at 60 monitoring stations from 1971 through 1996. Six observations at five stations (BUFF 0080, BUFF 0118, BUFF 0122, BUFF 0140, BUFF 0190) throughout the park were less than the 4 milligrams per liter (mg/L) EPA criterion for the protection of aquatic life.

The pH was measured 3,112 times at 67 monitoring stations from 1945 through 1996. Of the 3,035 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 11 observations from 11 stations were outside the pH ranges of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1988 through 1996. Six observations equaled or exceeded pH of 9.0 SU. The highest reported pH observations were two values of 9.6 SU in the Buffalo River at Rush (BUFF 0034) and in the Buffalo River at Gilbert (BUFF 0077) in January 1996. Five observations were less than or equal to pH 6.5 SU. The lowest reported pH was 5.3 SU in Middle Creek (BUFF 0007) in November 1993.

Turbidity was measured 2,925 times at 59 monitoring stations from 1971 through 1996. Of the 2,907 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 200 observations at 14 stations in the Buffalo River (BUFF 0077, BUFF 0080, BUFF 0083, BUFF 0100, BUFF 0145, BUFF 0153), and its tributaries (BUFF 0021, BUFF 0062, BUFF 0064, BUFF 0065, BUFF 0068, BUFF 0069, BUFF 0088, BUFF 0140), exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric turbidity units (JTU/FTU/NTU). Approximately 92 percent of the observations exceeding the criterion were reported from four monitoring stations within a five-mile radius of Gilbert: Tomahawk Creek (BUFF 0062), Bear Creek (BUFF 0065), Buffalo River near St. Joe (BUFF 0083), and Calf Creek (BUFF 0088). The highest reported values were two observations of 800 JTU in Tomahawk Creek (BUFF 0062) in November 1994.

Total coliform concentrations were measured 277 times at 35 monitoring stations from 1974 through 1992. Twelve observations at 11 stations in the Buffalo River (BUFF 0034, BUFF 0049, BUFF 0077, BUFF 0080, BUFF 0083, BUFF 0100, BUFF 0136, BUFF 0145, BUFF 0153, BUFF 0186, BUFF 0231) exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml). The highest value of 10,000 CFU/100 ml was reported in the Buffalo River at Highway 14 (BUFF 0049) in May 1987. Fecal coliform concentrations were measured 3,166 times at 51 monitoring stations from 1974 through 1997. Of the 3,164 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 343 observations at 41 stations throughout the study area exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml. Approximately 59 percent of the observations exceeding the criterion were reported in tributaries to the Buffalo River; 34 percent of the observations exceeding the criterion were reported in the Buffalo River; and eight percent of the observations exceeding the criterion were reported in several springs. Tomahawk Creek (BUFF 0062) accounted for 18 percent of the observations exceeding the criterion. The highest value of 45,200 CFU/100 ml was reported in Calf Creek (BUFF 0088) in April 1994.

Total alkalinity was determined by low-level (less than 10 mg/L as $CaCO_3$) gran analysis once at four monitoring stations (BUFF 0134, BUFF 0139, BUFF 0232, BUFF 0233) in April 1996. Three observations of 54.0, 143.4, and 180.3 microequivalents per liter (µeq/L) in Falls Branch Cave Creek (BUFF 0139), an unnamed station near the Boxley Valley (BUFF 0233), and Falls Branch Cave Creek (BUFF 0134), respectively, were below the NPS Air Resources Division's 200 µeq/L threshold, indicating sensitivity to acid deposition.

Total cadmium concentrations were measured 471 times at 27 monitoring stations from 1974 through 1994. Of the 434 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide to Water Quality Results for explanation), 13 total concentrations at three stations in the Buffalo River (BUFF 0080, BUFF 0083, BUFF 0136) exceeded the acute freshwater criterion of 3.9 micrograms per liter (µg/L) from 1974 through 1983. Ten of these 13 concentrations also exceeded the drinking water criterion of 5.0 µg/L. The highest reported value of 24 µg/L occurred in the Buffalo River near Hasty (BUFF 0136) in October 1977.

Total chromium concentrations were measured 425 times at 28 monitoring stations from 1974 through 1994. Two concentrations of 140 µg/L and 138 µg/L in the Buffalo River near St. Joe (BUFF 0080 and BUFF 0083, respectively) exceeded the drinking water criterion of 100 µg/L in March 1988.

Copper concentrations (including dissolved and total) were measured 759 times at 49 monitoring stations from 1974 through 1996. Seventy-six total concentrations at seven stations in the Buffalo River (BUFF 0035, BUFF 0050, BUFF 0080, BUFF 0083, BUFF 0136) and Bear Creek (BUFF 0068, BUFF 0069) exceeded the acute freshwater criterion of 18 µg/L from 1974 through 1996. Approximately 53 percent of observations exceeding this criterion occurred in the Buffalo River near St. Joe (BUFF 0080 and BUFF 0083). The highest value of 365 µg/L was reported in the Buffalo River near Hasty (BUFF 0136) in November 1974.

Lead concentrations (including dissolved, suspended, and total) were measured 776 times at 51 monitoring stations from 1974 through 1996. Eighty-six concentrations exceeded the drinking water criterion of 15 µg/L at eight stations (BUFF 0052, BUFF 0068, BUFF 0069, BUFF 0080, BUFF 0083, BUFF 0136, BUFF 0157, BUFF 0225) throughout the study area. Twenty-eight of these 86 concentrations also exceeded the acute freshwater criterion of 82 µg/L at five stations (BUFF 0068, BUFF 0069, BUFF 0080, BUFF 0083, BUFF 0136). Approximately 39 and 41 percent of the observations exceeding the drinking water criterion occurred in the Buffalo River near Hasty (BUFF 0136) and the Buffalo River near St. Joe (BUFF 0080), respectively. The highest reported value of 482 µg/L occurred in the Buffalo River near Hasty (BUFF 0136) in January 1976.

Zinc concentrations (including dissolved, suspended, and total) were measured 816 times at 50 monitoring stations from 1974 through 1996. Seventeen observations at 10 stations in the Buffalo River (BUFF 0008, BUFF 0035, BUFF 0050, BUFF 0076, BUFF 0080, BUFF 0083, BUFF 0136, BUFF 0159, BUFF 0220, BUFF 0231) exceeded the acute freshwater criterion of 120 µg/L from 1974 through 1988. The highest value of 3,000 µg/L was reported twice in the Buffalo River at the Wilderness Boundary (BUFF 0231) in March and May 1988.

The IDEA conducted for BUFF indicates that STORET data exist for all 13 Level I parameter groups in the study area. For Chlorophyll, no observations were recorded since 1985. For Alkalinity, only 19 percent of the observations were recorded since 1985. Data for all groups were recorded at fewer than one-third of the 220 monitoring stations with data. Relative to other parameter groups, data were limited for the groups Alkalinity and Chlorophyll. Results for 28 of the 126 EPA priority toxic pollutants (consisting of metals and pesticides) were retrieved from STORET. Of the 220 monitoring stations with data, 130 stations measured only bottom deposits.

BUFF is located two hours north of Little Rock in north-central Arkansas. Surface water resources in the BUFF study area include the Buffalo and White Rivers; smaller rivers and creeks tributary to the Buffalo River; and numerous springs. Biologically diverse, the Buffalo River and its tributaries support 59 species of fish while the surrounding land supports over 1,500 species of plants. The data inventories and analyses contained in this report indicate that surface waters within the study area are generally of good quality with some impacts by human activities. Tomahawk Creek and some reaches of the Buffalo River appear to be impacted by turbidity and bacteria, particularly as a result of storm events. The Buffalo River near St. Joe appears to be impacted by metals. Potential anthropogenic sources of contaminants include municipal and industrial wastewater discharges; recreational use; agricultural runoff from livestock (cattle, chickens, and hogs) operations; timber production; and mining operations.

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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.

Anna Perea helped prepare reports and write the Executive Summaries.

Elizabeth Eisenhauer, J. Chris Echohawk, Brad Van Deusen, Kristie Maczko, Brian Verbeck, Robert Flynn, and Dawn Grandbois, provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor, Mary Beth Talty, Todd Widegren, Curtis Cooper, and Paul McElvery 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.

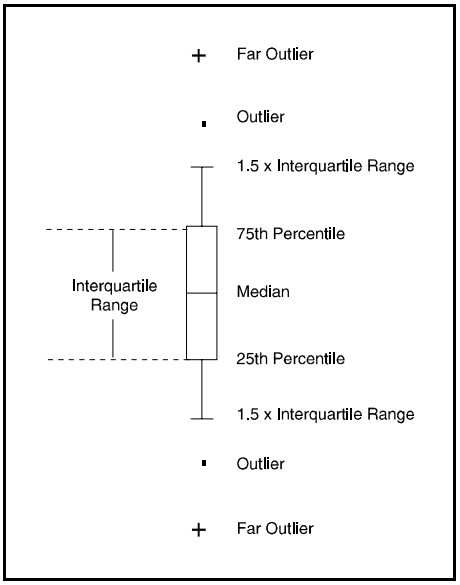
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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 BUFF

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:	910121	9	5247
# STORET Stations:	233		165
# Stations With No Data:	13		7
# Stations With No Stat. Analysis:	0		0
# Longer Term Stations:	49		45
Date of STORET Retrieval:	05/14/97		05/14/97
Period of Record:	07/23/45-04/07/97		07/23/45-04/07/97
# Parameters Measured:	643		633
# Water Quality Observations:	62954		58494
# Industrial/Municipal Facilities:	4		2
# Drinking Water Intakes:	1		0
# Water Gages:	7		4
# Water Impoundments:	6		1
# Total Plots:	112		112
# Time Series:	45		45
# Annual:	40		40
# Seasonal:	27		27

Hydrologic Definition of Seasons:

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

Time Series Plot Criteria:

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

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 10 years.

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

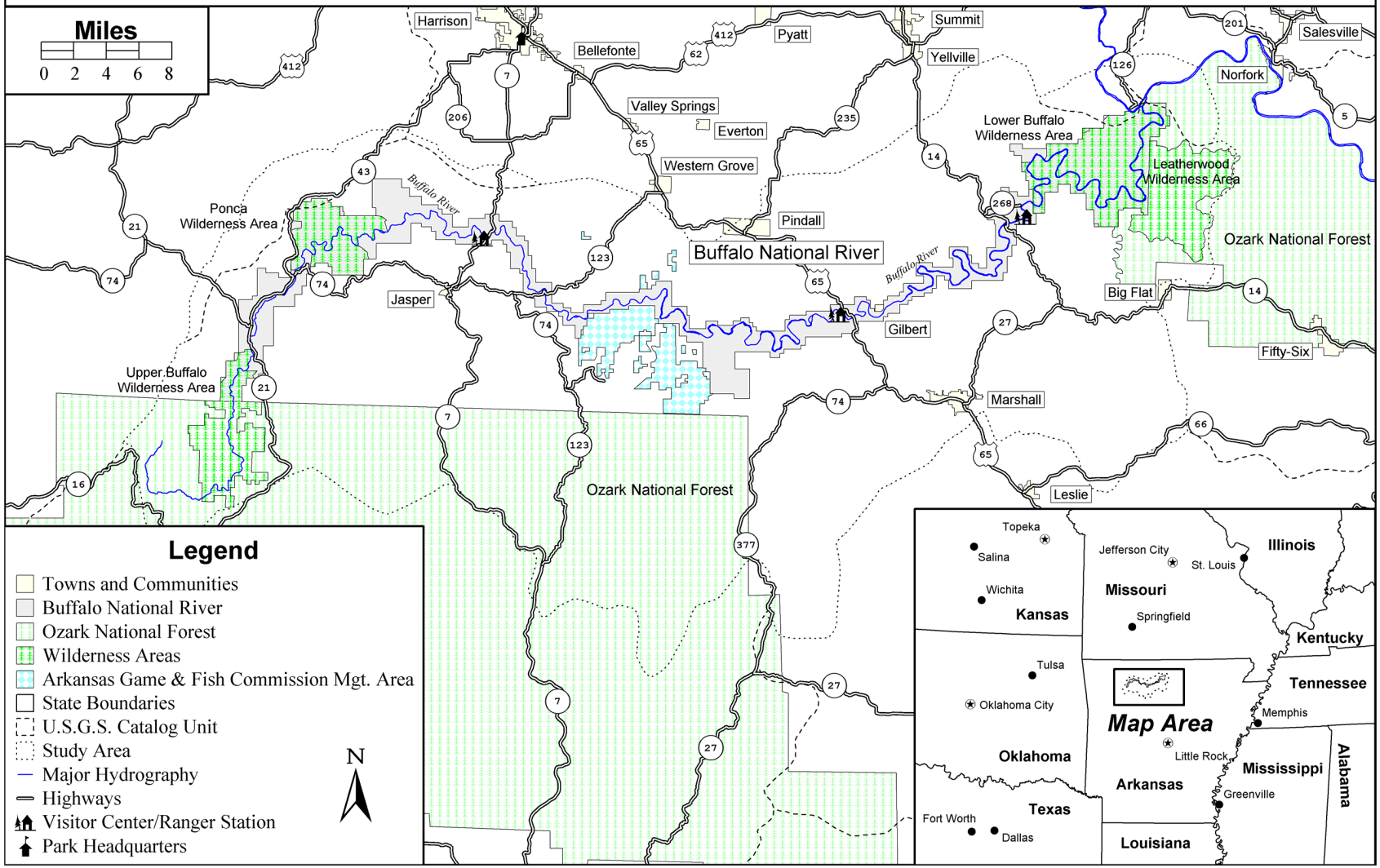
Seasonal Analysis Criteria:

To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 20 years and observations in at least 4 of the 20 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.

Buffalo National River

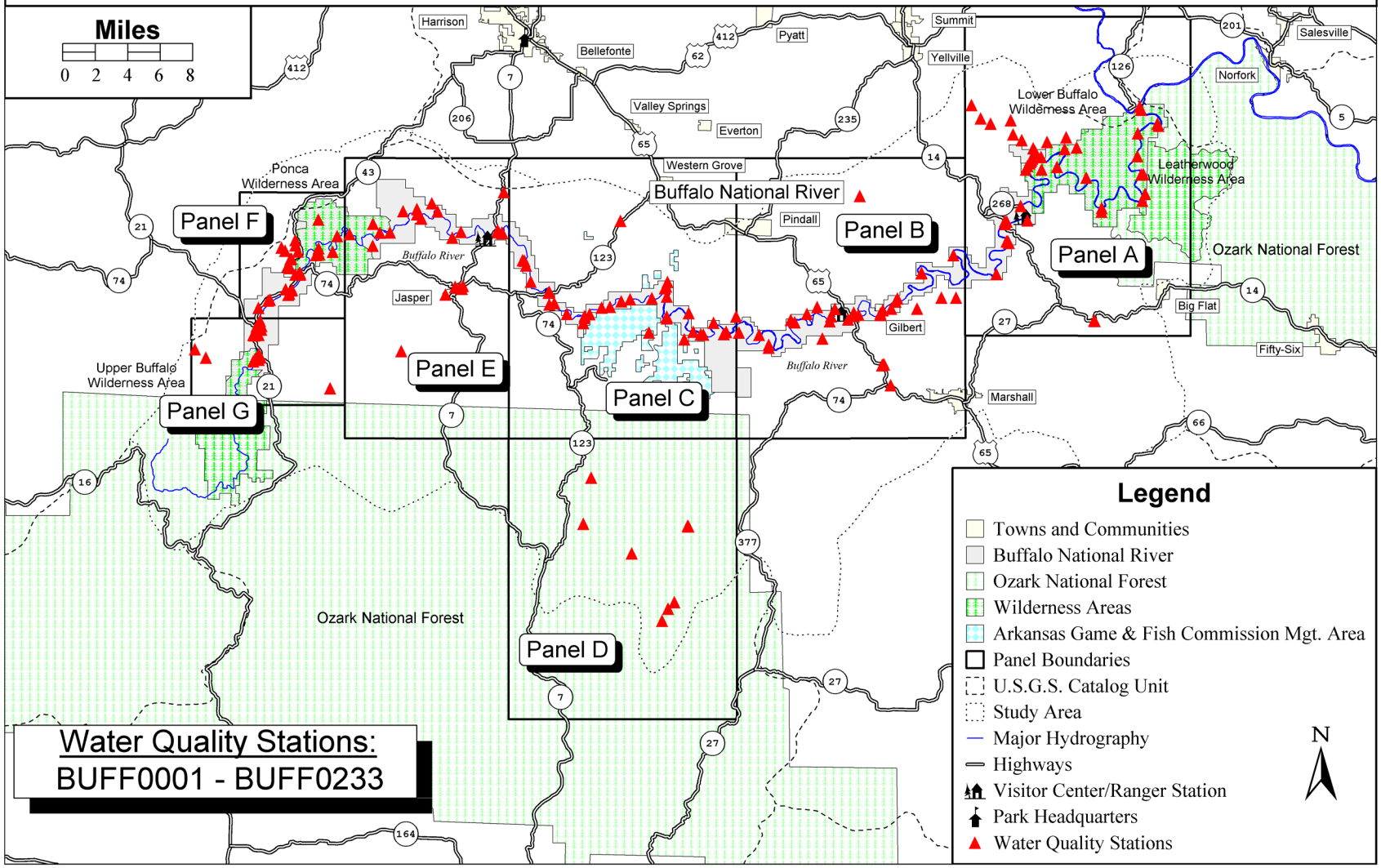
Regional Location Map



Buffalo National River

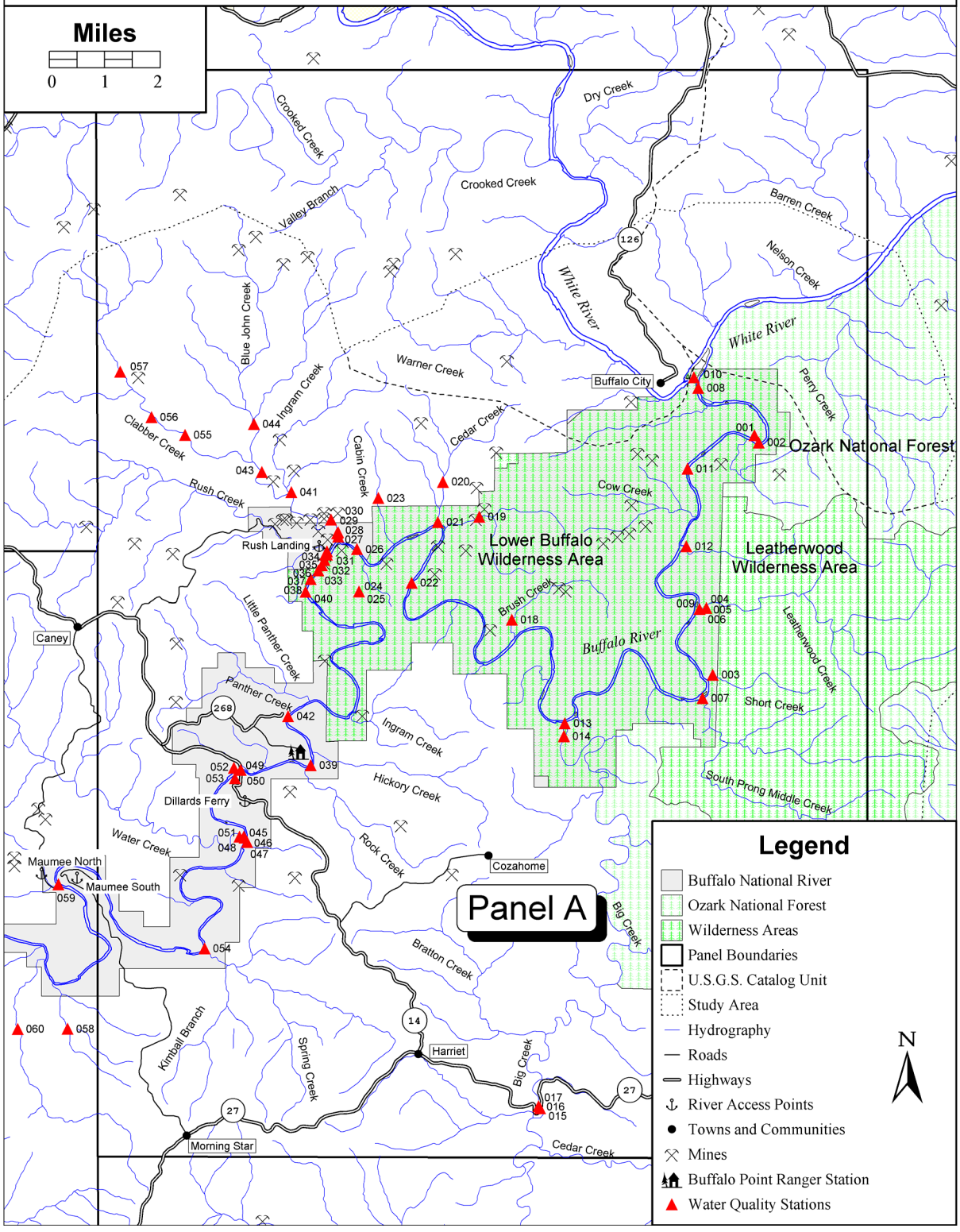
Water Quality Monitoring Locations

Graphic Panel Index



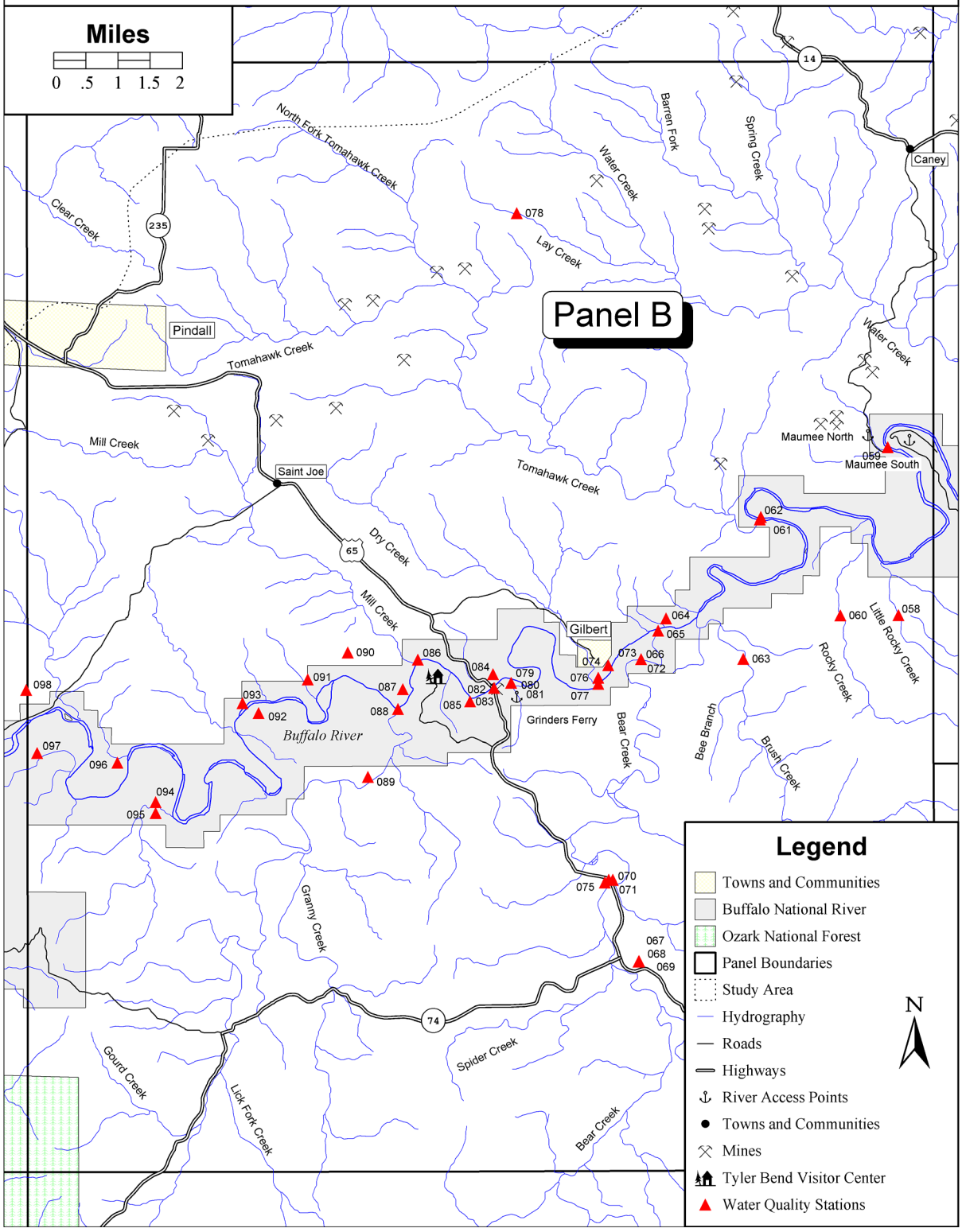
Buffalo National River

Water Quality Monitoring Locations



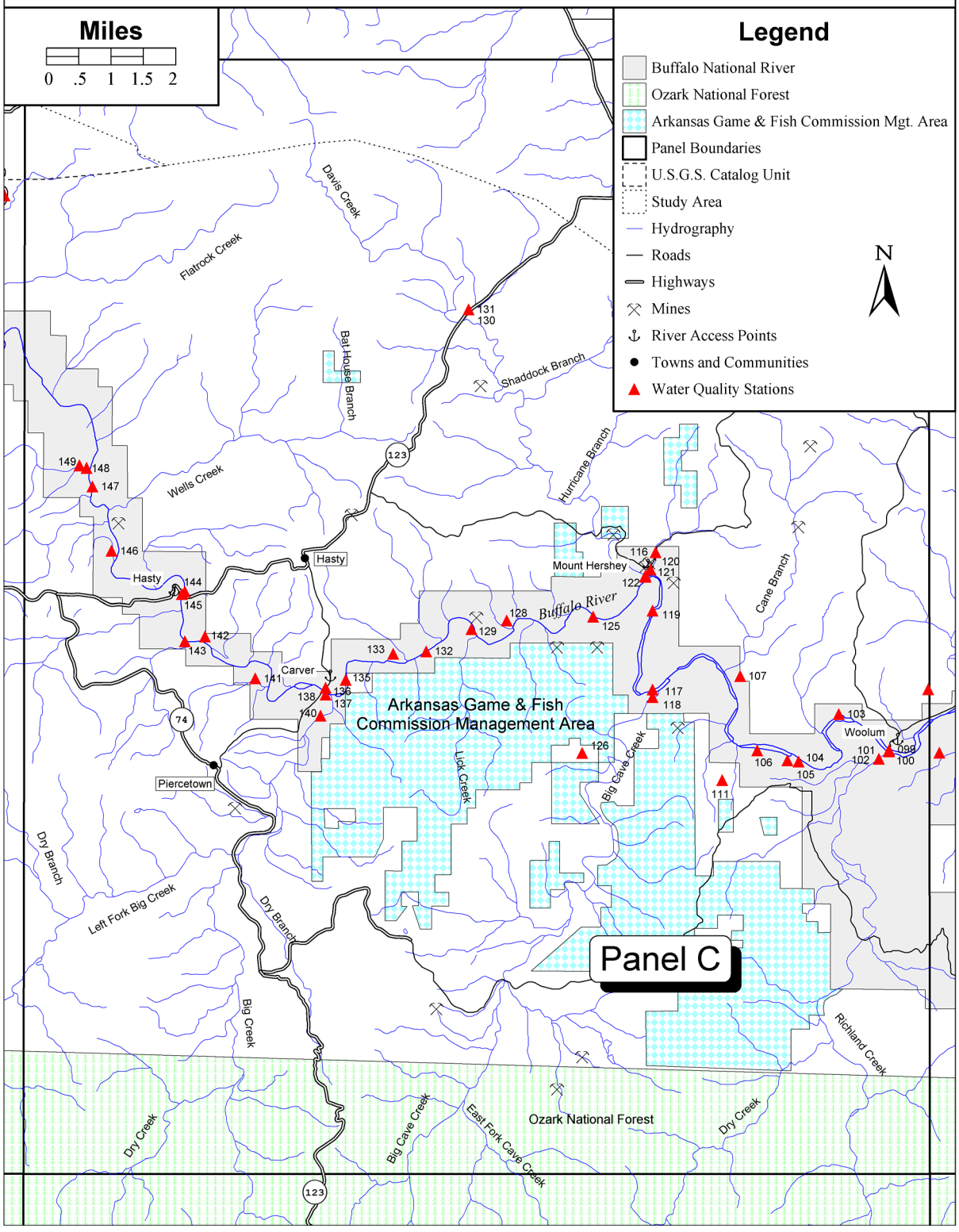
Buffalo National River

Water Quality Monitoring Locations



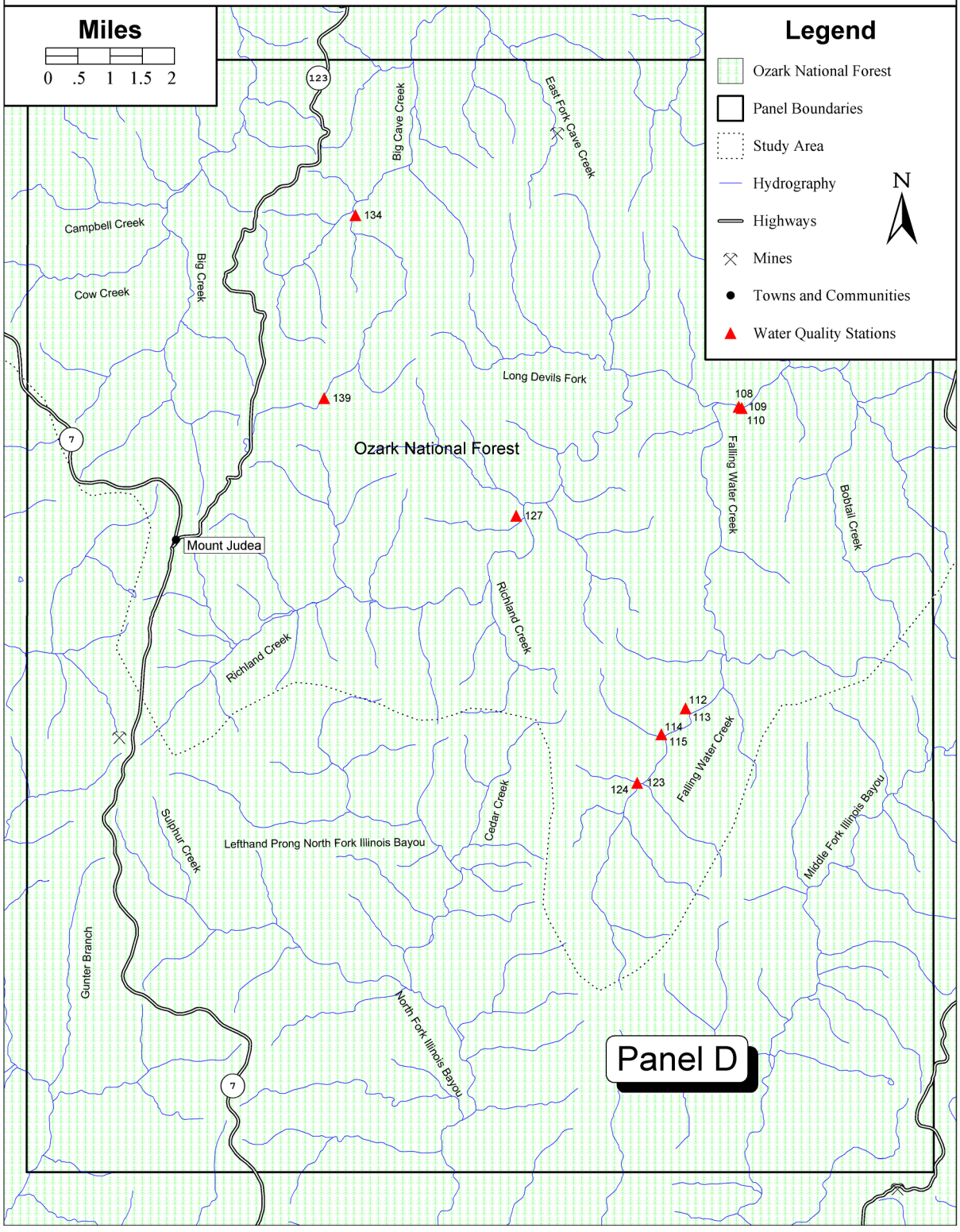
Buffalo National River

Water Quality Monitoring Locations



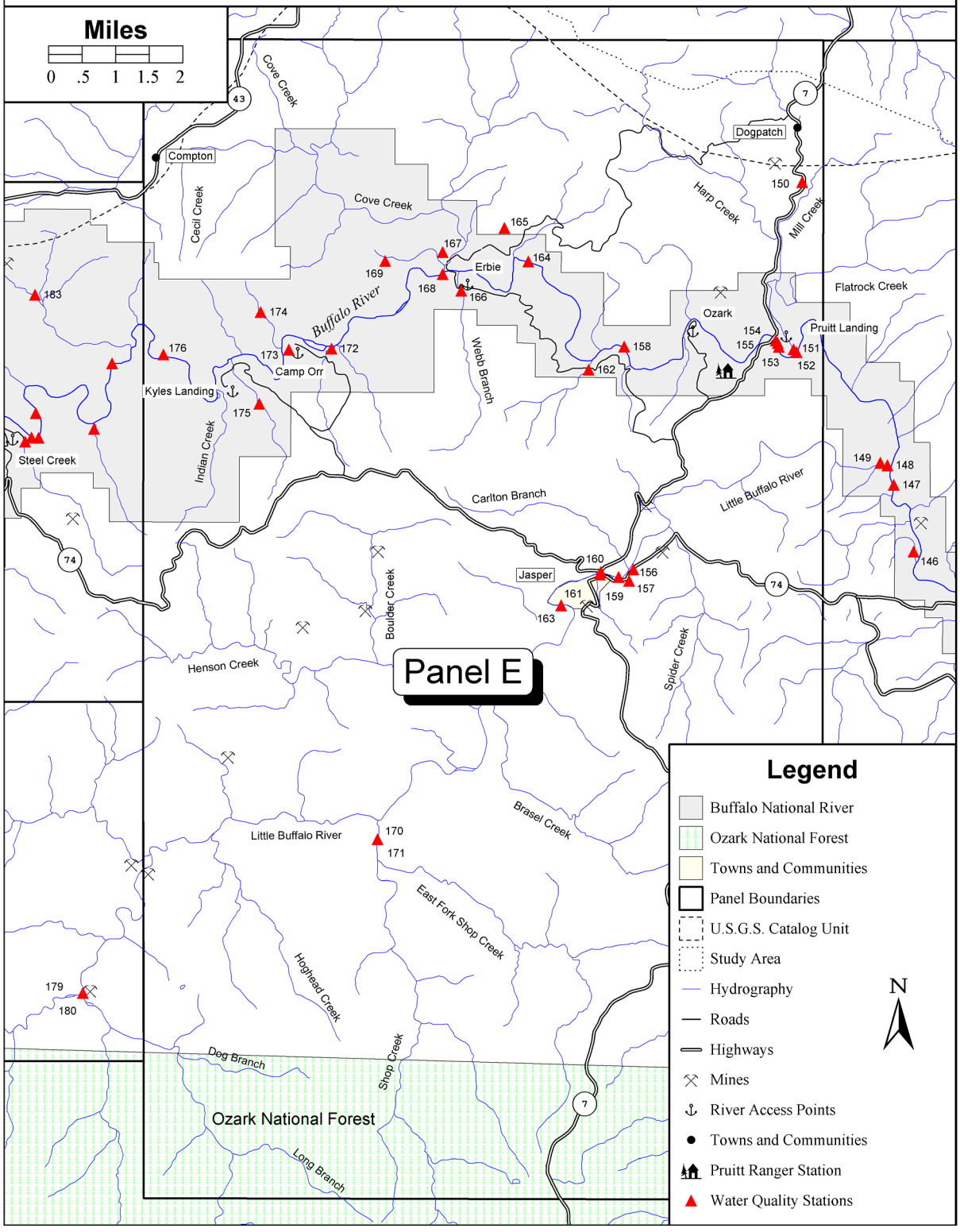
Buffalo National River

Water Quality Monitoring Locations



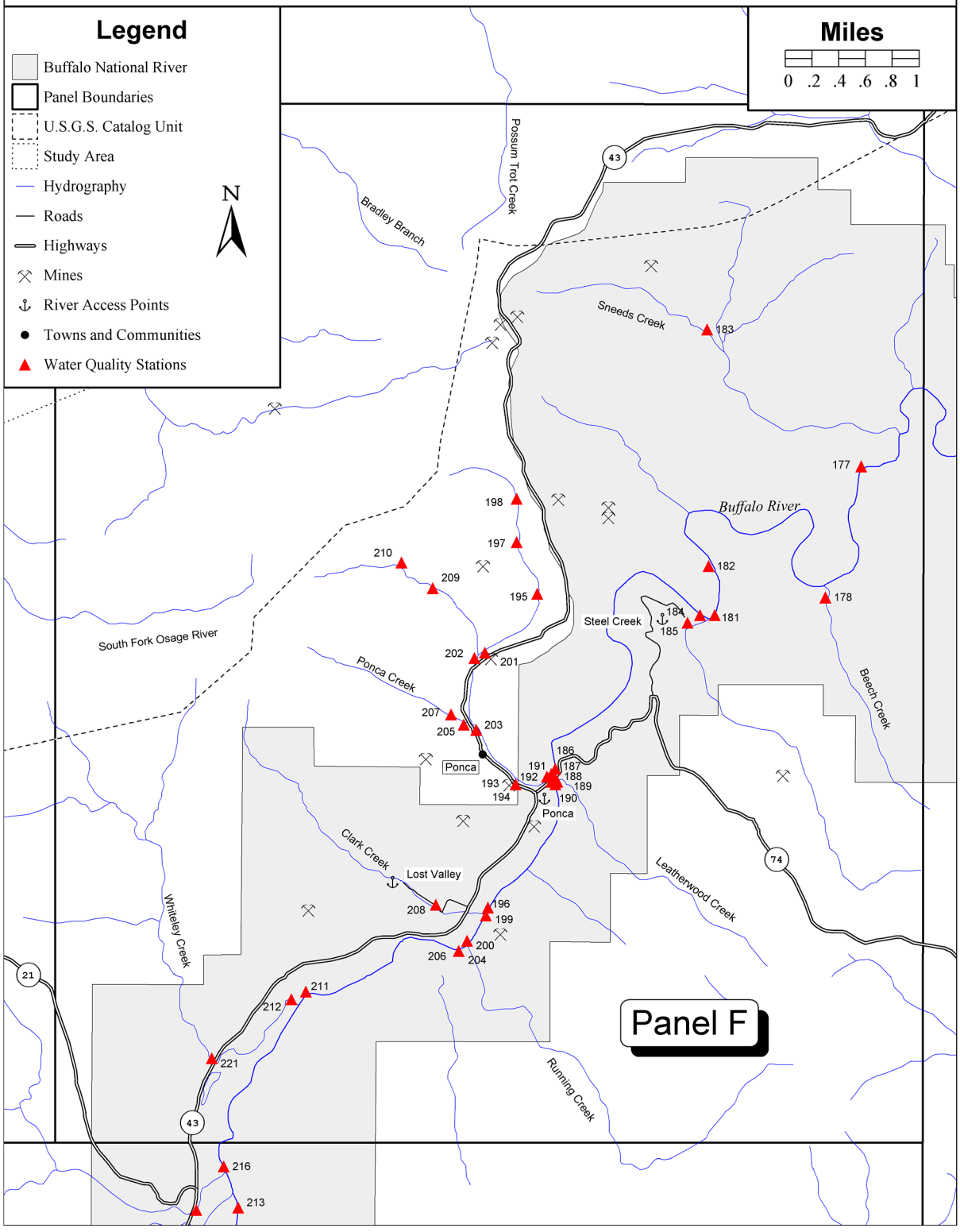
Buffalo National River

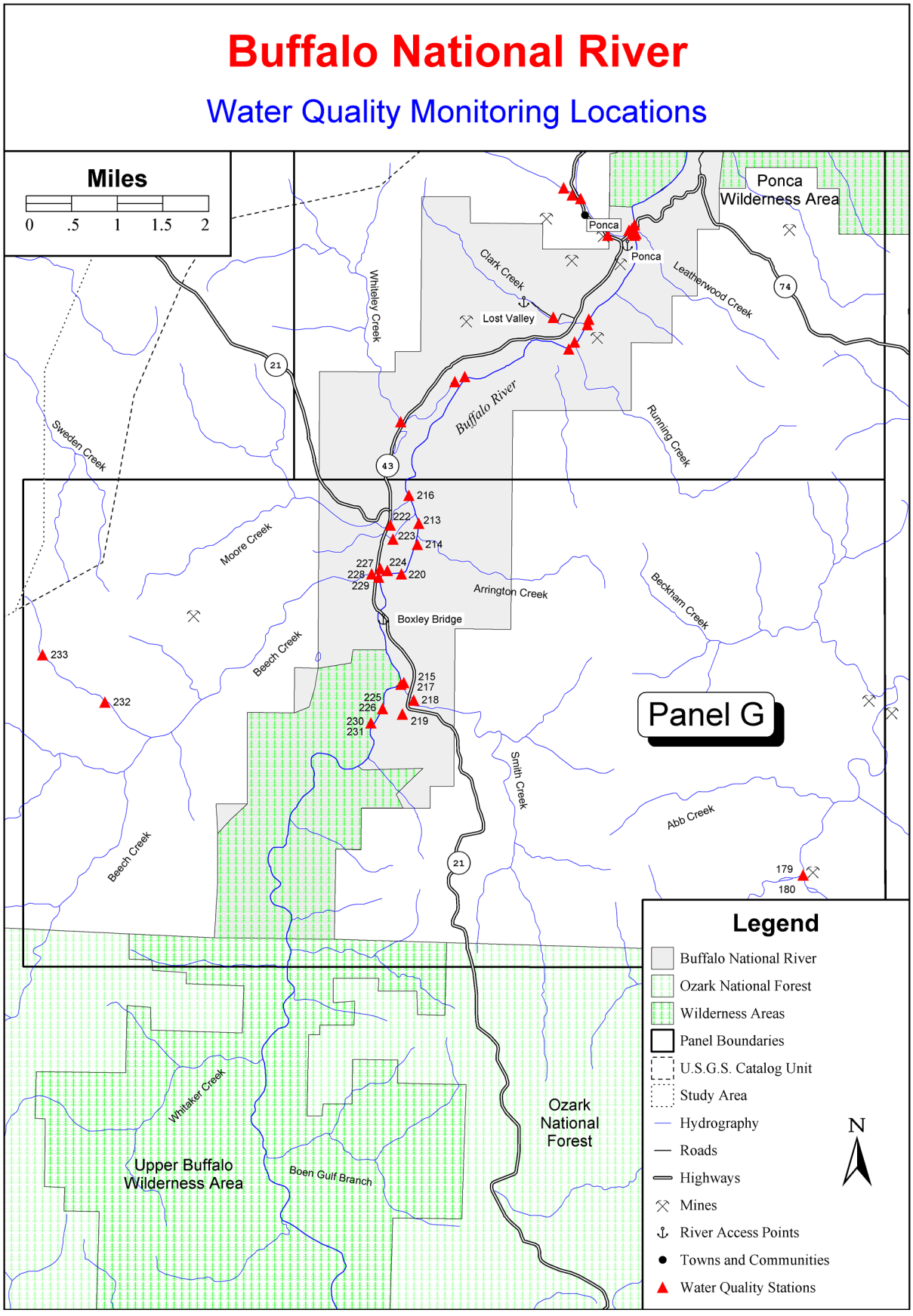
Water Quality Monitoring Locations



Buffalo National River

Water Quality Monitoring Locations

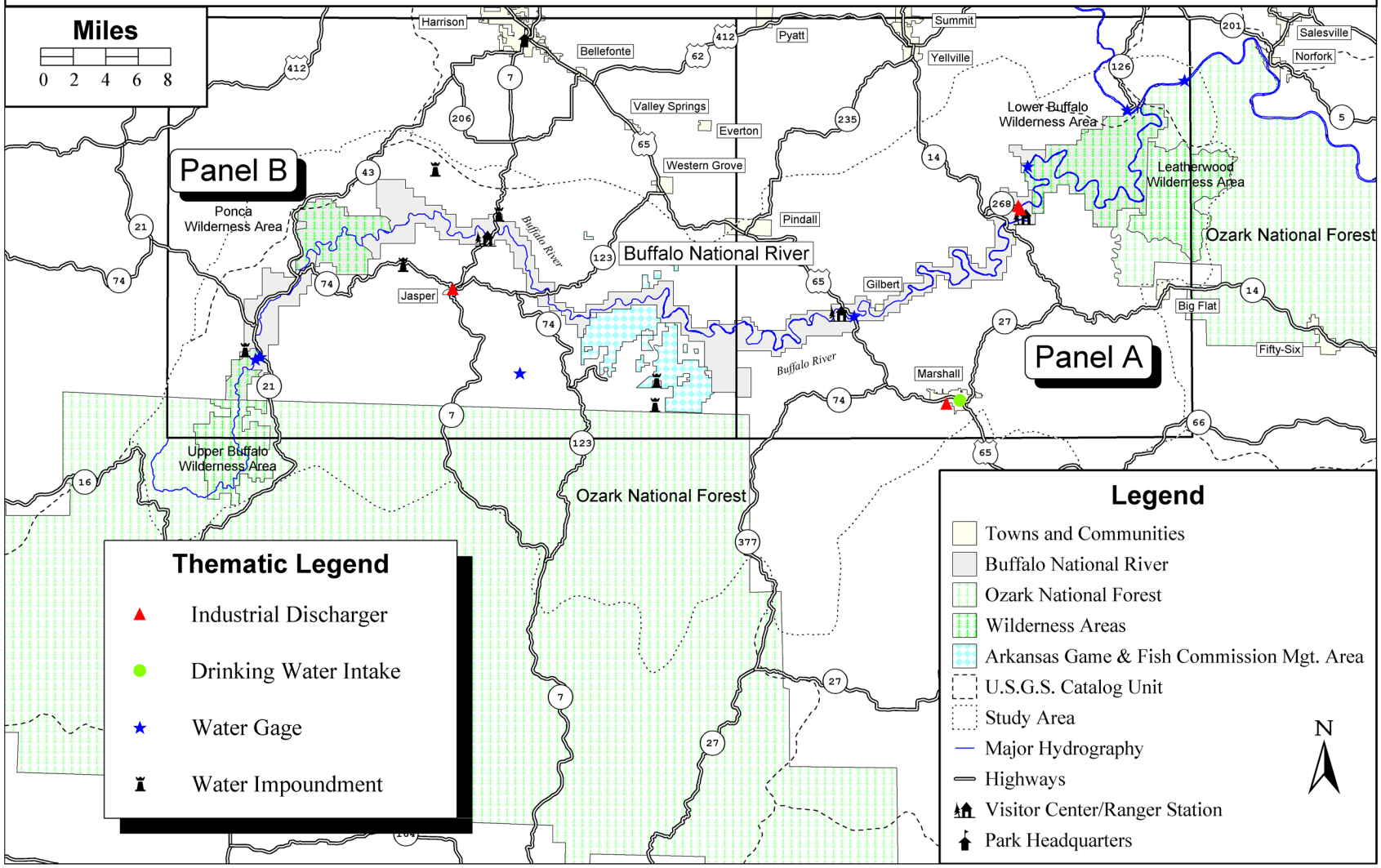



Buffalo National River
Water Quality Monitoring Locations
Miles
0 .5 1 1.5 2
Ponca Wilderness Area
Ponca
Ponca
Clark Creek
Whiteley Creek
Lost Valley
Leatherwood Creek
74
21
Buffalo River
Running Creek
Sweden Creek
43
216
222
213
223
214
227
224
228
220
229
Moore Creek
Arrington Creek
Beckham Creek
Boxley Bridge
233
Beech Creek
215
217
225
218
226
219
230
231
232
Panel G
Smith Creek
Abb Creek
Beech Creek
21
179
180
Legend
Buffalo National River
Ozark National Forest
Wilderness Areas
Panel Boundaries
U.S.G.S. Catalog Unit
Study Area
Hydrography
Roads
Highways
Mines
River Access Points
Towns and Communities
Water Quality Stations
N
Whitaker Creek
Upper Buffalo Wilderness Area
Boen Gulf Branch
Ozark National Forest

Buffalo National River

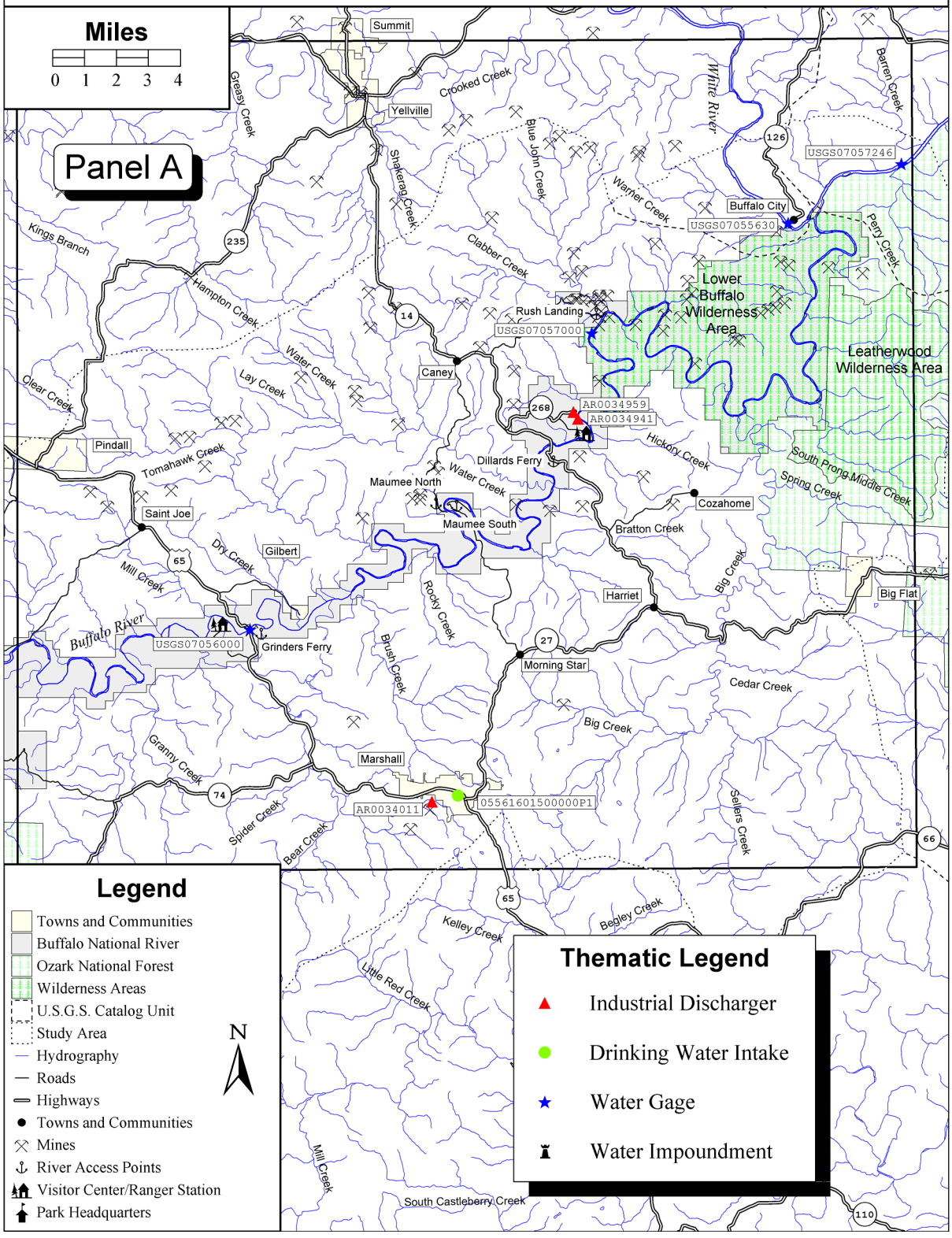
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



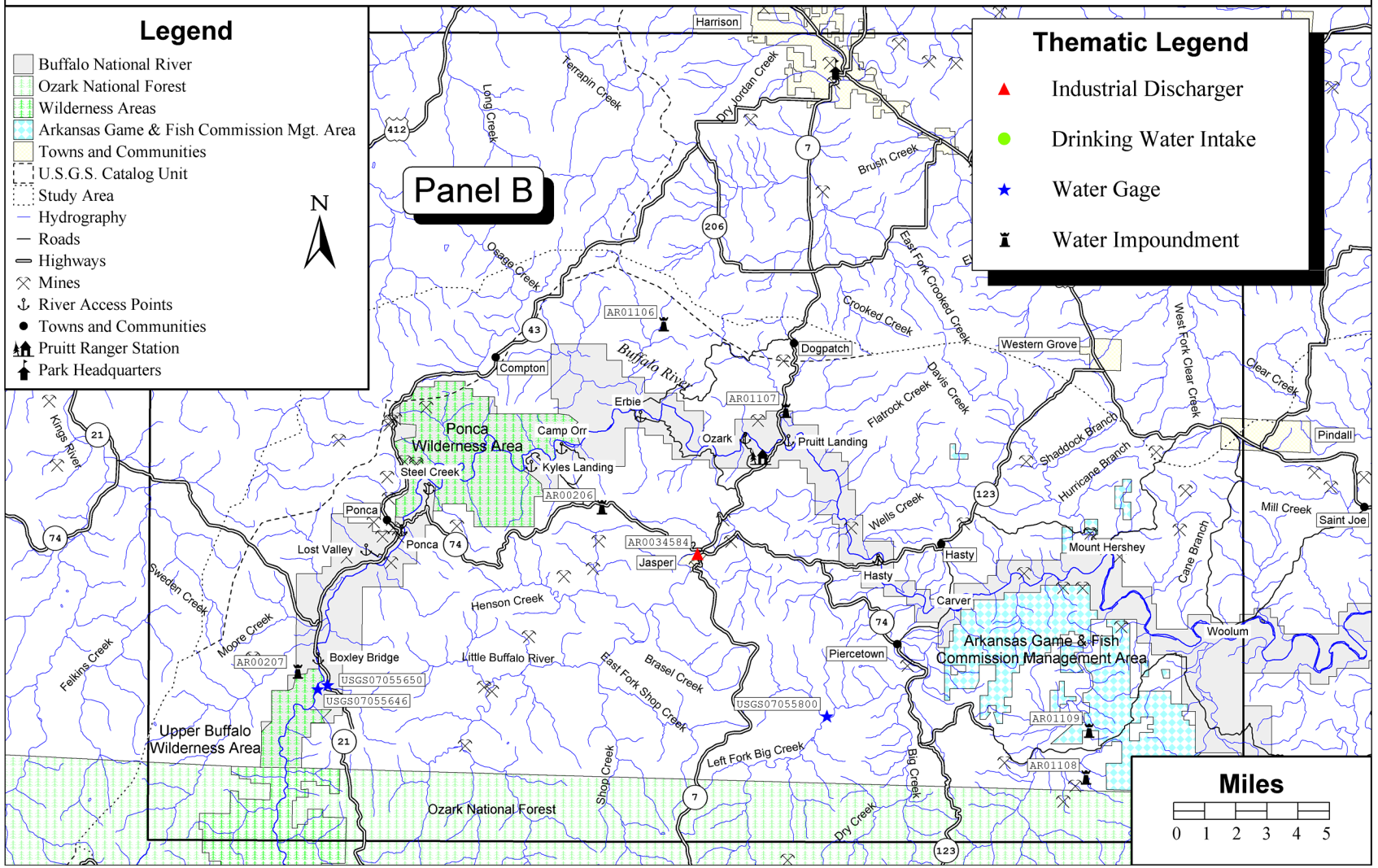
Buffalo National River

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Buffalo National River

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
AR0034011	MARSHALL, CITY OF	CANNAN ST	MARSHALL	FOREST C
AR0034584	JASPER, CITY OF	.....	JASPER	L BUFFALO R
AR0034941	USDINPS BUFFALO NATIONAL RIVER	USNPS BUFFALO POINT	YELLVILLE	4H
AR0034959	USDINPS BUFFALO NATIONAL RIVER	USNPS BUFFALO POINT	YELLVILLE	4H

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
05561601500000P1	.....	MARSHALL	1397	4000.00

Water Gages

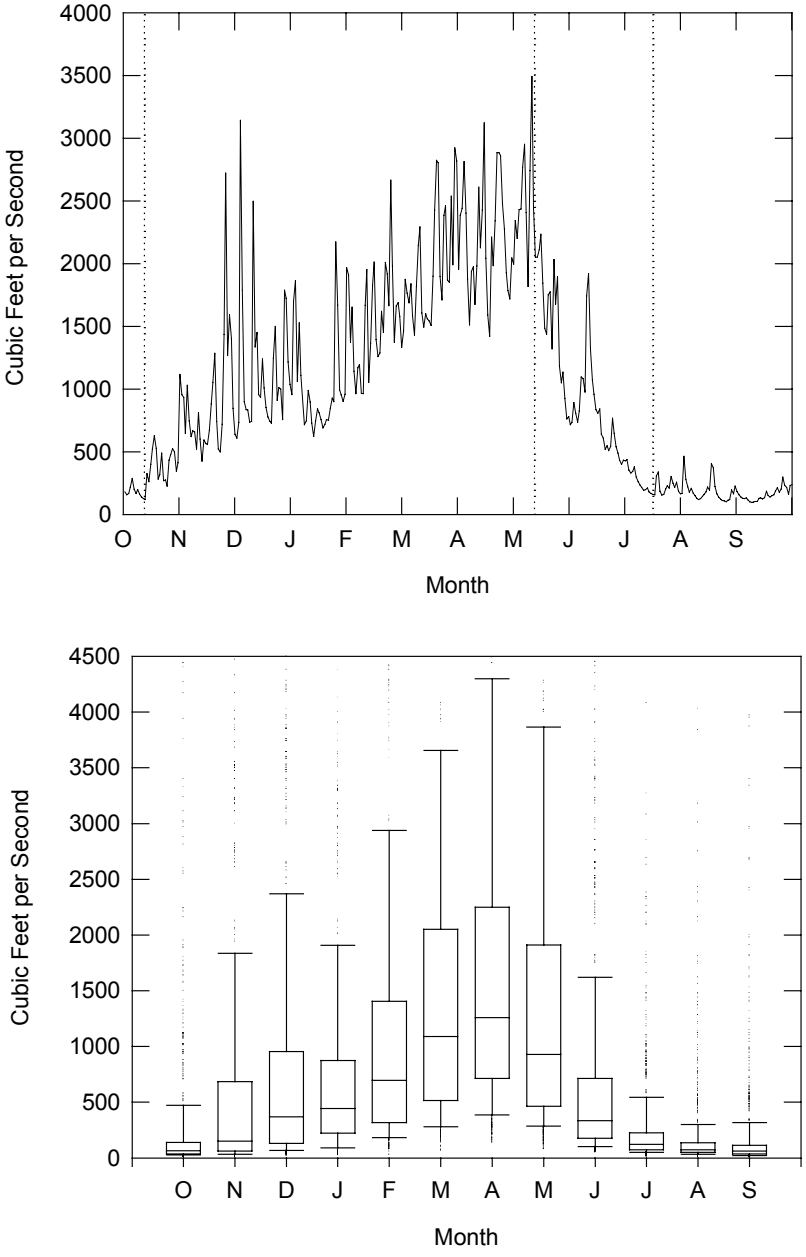
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS07055650	SMITH CREEK NEAR BOXLEY, ARK.	Stream	8.35		
USGS07055800	DRY BRANCH NEAR VEND	Stream	6.30		
USGS07056000	BUFFALO RIVER NEAR ST. JOE, ARK.	Stream	829.00	1940	1995
USGS07057000	BUFFALO RIVER NEAR RUSH, ARK.		9100.00	1929	1970
USGS07055630	WHITE RIVER AT BUFFALO CITY, ARK.	Stream			
USGS07055646	BUFFALO RIVER NEAR BOXLEY	Stream	57.40	1993	1994
USGS07057246	WHITE RIVER NR LONE ROCK, ARK	Stream			

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
AR00206	WEATHERBY LAKE DAM	F L WEATHERBY	Rec.	Earth	Low	1966
AR00207	FOWLER LAKE DAM	BILL FOWLER	Rec.	Earth	Low	1953
AR01106	EDWARDS LAKE DAM	WADE AND LOVETTA EDWARDS	Rec.	Earth	Low	1977
AR01107	MILL CREEK HOLLOW DAM	JOE NANCE-HILLARY JONES	Rec.	Earth	Low	1973
AR01108	LAKE SYCAMORE DAM	JESS ODOM ENTERPRISES	Rec.	Earth	Low	1967
AR01109	LOWER HURRICANE LAKE DAM	JESS ODAM ENTERPRISES	Rec.	Earth	Low	1967

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

BUFFALO NATIONAL RIVER
Buffalo River near St. Joe, AR
07056000, 47 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 Buffalo National River are: Jul. 15 to Oct. 9, Oct. 10 to May 9, and May 10 to Jul. 14.

CONTACTS FOR AGENCY CODES RETRIEVED FOR BUFF

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
1118ATL8	FOR. HYDROLOGIST	US FOREST SERVICE	(404)881-2692	(904)965-7265
1116APCC	BAKER, JERRY	ARK DEPT POLL CON & ECOL	(501)562-7444	
112WRD	WILLIAMS, OWEN	US GEOLOGICAL SURVEY	(703)648-5610	
11TRAIN	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
12NSS	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(503)754-4427	
21ARAMBT	BAKER, JERRY	ARK DEPT POLL CON & ECOL	(501)562-7444	
21ARAPCC	BAKER, JERRY	ARK DEPT POLL CON & ECOL	(501)562-7444	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
21ARUNFA	STEELE, KENNETH	UNIV OF ARKANSAS	(501)575-4403	

QUANTITY OF DATA RETRIEVED FOR BUFF 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
1118ATL8	US FOREST SERVICE	04/23/79-06/15/79	No Data in Park	6	0	0	0	0	0	248	0	4	0
1116APCC	ARK DEPT POLL CON & ECOL	04/10/74-04/07/97	04/10/74-04/07/97	40	35	35	34	0	0	38450	37798	218	218
112WRD	US GEOLOGICAL SURVEY	07/23/45-08/22/96	07/23/45-08/22/96	17	7	5	4	0	0	17617	15606	507	505
11TRAIN	USEPA HQ	No Data in S.A.	No Data in Park	10	5	0	0	10	5	0	0	0	0
12NSS	EPA ENVIRONMENTAL RES LAB	04/09/86-04/16/86	No Data in Park	4	0	0	0	0	0	108	0	27	0
21ARAMBT	ARK DEPT POLL CON & ECOL	No Data in S.A.	No Data in Park	3	2	0	0	3	2	0	0	0	0
21ARAPCC	ARK DEPT POLL CON & ECOL	07/07/71-10/01/96	07/07/71-07/22/71	7	3	1	0	0	0	651	243	101	22
11NPSWRD	NATIONAL PARK SERVICE	01/25/89-05/23/89	01/25/89-05/23/89	2	2	0	0	0	0	1003	1003	22	22
21ARUNFA	UNIV OF ARKANSAS	02/04/73-12/10/75	02/04/73-12/10/75	144	111	8	7	0	0	4877	3844	44	44
Totals		07/23/45-04/07/97	07/23/45-04/07/97	233	165	49	45	13	7	62954	58494	643	633

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

Station Period of Record Tabulation
From 07/23/45 To 04/07/97

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75
BUFF0001	BUFFALO RIVER 2.3 RIVER MILES FROM WHITE RIVER	Yes	14	0	0	14
BUFF0002	STEWART CREEK 2.5 RIVER MILES FROM WHITE RIVER	Yes	13	0	0	13
BUFF0003	SHORT CREEK 9 RM FROM WHITE RIVER	Yes	13	0	0	13
BUFF0004	LEATHERWOOD CR AT BUFFALO R 15FT FR BANK	Yes	13	0	0	13
BUFF0005	LEATHERWOOD CR AT BUFFALO R CONF AT STREAMBANK	Yes	14	0	0	14
BUFF0006	LEATHERWOOD CR UPST FR BUFFALO R 30 FT FROM BANK	Yes	13	0	0	13
BUFF0007[1]	MIDDLE CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	516	516	0	0
BUFF0008[1]	BUFFALO RIVER AT MOUTH	Yes	805	805	0	0
BUFF0009[1]	LEATHERWOOD CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	523	523	0	0
BUFF0010	CONFLUENCE OF BUFFALO RIVER AND WHITE RIVER	Yes	14	0	0	14
BUFF0011	BUFFALO R DNST FR COW CR, UPST FR STEWART CR	Yes	14	0	0	14
BUFF0012	BRUSH CREEK 5.6 RIVER MILES FROM WHITE RIVER	Yes	13	0	0	13
BUFF0013[1]	BIG CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	510	510	0	0
BUFF0014	BIG CREEK- APPR 0.4 MILES UPSTREAM FROM BUFFALO	Yes	13	0	0	13
BUFF0015	BIG CREEK NEA	No	0	0	0	0
BUFF0016	BIG CREEK NEAR BIG FLAT, ARK.	No	365	319	0	46
BUFF0017	BIG CREEK NR HARRIET HWY 14	No	36	0	0	36
BUFF0018	BRUSH CREEK- APPR 300 YDS UPST FR BUFFALO RIVER	Yes	14	0	0	14
BUFF0019	BOAT CR- APPR 0.4 MI UPST FR BUFFALO R	Yes	19	0	0	19
BUFF0020	CEDAR CREEK- 0.7 MI FR CONF WITH BUFFALO RIVER	No	19	0	0	19
BUFF0021	CEDAR CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	91	91	0	0
BUFF0022	BUFFALO R- APPR 1.2 MI DNST FR BOAT CREEK	Yes	19	0	0	19
BUFF0023	CABIN CREEK- APPR 0.8 MI UPST FR BUFFALO RIVER	No	20	0	0	20
BUFF0024	BUFFALO R ACROSS FROM CLABBER CR TOP OF BANK	Yes	13	0	0	13
BUFF0025	BUFFALO R ACROSS FROM CLABBER CR 3 FT UP BANK	Yes	13	0	0	13
BUFF0026	BUFFALO R- 0.4 MI DNST FR CLABBER CREEK CONF	Yes	19	0	0	19
BUFF0027[1]	MTH OF CLABBER CR AT BUFFALO RIVER	Yes	207	0	37	170
BUFF0028[1]	MOUTH OF CLABBER CREEK AT BUFFALO RIVER	Yes	32	0	13	19
BUFF0029[1]	CLABBER CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	874	874	0	0
BUFF0030	CLABBER CR APPR 350 FT UPST FROM LEADER HOLLOW	No	13	0	13	0
BUFF0031[1]	RUSH CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	871	871	0	0
BUFF0032	BUFFALO R- 200 FT UPST FR RUSH CR CONF	Yes	19	0	0	19
BUFF0033	MOUTH OF RUSH CR, 100 YDS UPST FROM BUFFALO R	Yes	190	0	37	153
BUFF0034[1]	BUFFALO RIVER AT RUSH	Yes	1265	1265	0	0
BUFF0035[1]	BUFFALO R 0.1 MI UPST FROM RUSH CREEK CONFLUENCE	Yes	252	0	70	182
BUFF0036	BUFFALO R 0.3 MI UPST FROM RUSH CREEK CONFLUENCE	Yes	35	0	0	35
BUFF0037	BUFFALO R- 500 YARDS DNST FROM GAGING STATION	Yes	6	0	0	6
BUFF0038[1]	BUFFALO RIVER NEAR RUSH, ARK.	Yes	1214	15	0	1199
BUFF0039	ROCK CR- BUFFALO R CONF, 3 MI NW OF COZAHOME	Yes	13	0	0	13
BUFF0040	BUFFALO R- ACROSS FR CLABBER CR, AT BANK	Yes	20	0	0	20
BUFF0041	CLABBER CREEK CONFLUENCE WITH WILLIAMS BRANCH	No	13	0	13	0
BUFF0042[1]	BUFFALO R APPR 0.5 MI UPST FROM PANTHER CR CONF	Yes	367	0	136	231
BUFF0043	CLABBER CR APPR .25 MI DNST FR BLUE JOHN CR CONF	No	13	0	13	0
BUFF0044	BLUE JOHN CR APPR 800 FT DNST FR INGRAM CR CONF	No	13	0	13	0
BUFF0045	KIMBALL CR- BUFFALO R CONF, 4.5 MI W OF COZAHOME	Yes	13	0	0	13
BUFF0046	WATER CREEK NEAR EVENING STAR, AR	Yes	258	258	0	0
BUFF0047	WATER CREEK N	Yes	0	0	0	0
BUFF0048	WATER CR- BUFFALO R CONF, 4.4 MI NW OF COZAHOME	Yes	13	0	0	13
BUFF0049[1]	BUFFALO RIVER AT HIGHWAY 14	Yes	1257	1257	0	0
BUFF0050[1]	BUFFALO RIVER NR HARRIET, AR.	Yes	777	0	777	0
BUFF0051[1]	WATER CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	626	626	0	0
BUFF0052	BUFFALO R NR PETER HOLLOW IN BUFFALO R STATE PK	Yes	268	0	37	231
BUFF0053	BUFFALO RIVER AT BUFFALO ST PARK	Yes	84	0	0	84
BUFF0054	SPRING CR- BUFFALO R CONF, N OF MORNING STAR	Yes	13	0	0	13
BUFF0055	CLABBER CR APPR 400 FT DNST FR CONF OF UNMD TRIB	No	13	0	13	0
BUFF0056	CLABBER CR APPR 600 FT UPST FR CONF OF UNMD TRIB	No	13	0	13	0
BUFF0057	CLABBER CR APPR 400 FT DNST FR CONF OF UNMD TRIB	No	13	0	13	0
BUFF0058	LITTLE ROCKY CR 1.5 MILES UPST FR BUFFALO RIVER	No	13	0	0	13
BUFF0059	BUFFALO R- MAUMEE XING, 4.8 MI NE / MORNING STAR	Yes	13	0	0	13
BUFF0060	ROCKY CREEK 2 MI UPST FR BUFFALO RIVER CONF	No	13	0	0	13
BUFF0061	TOMAHAWK CR AT BUFFALO R CONF, 4.5 MI N OF ZACK	Yes	13	0	0	13
BUFF0062[1]	TOMAHAWK CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	1792	1792	0	0
BUFF0063	BRUSH CREEK- APPR 1.5 MI UPST FR BUFFALO R CONF;	No	13	0	0	13
BUFF0064[1]	BRUSH CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	535	535	0	0
BUFF0065[1]	BEAR CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	1329	1329	0	0
BUFF0066	BEAR CR- APPR 1 MI UPST FR BUFFALO R, NR GILBERT	Yes	13	0	0	13
BUFF0067	BEAR CREEK BELOW MARSHALL ARK	No	0	0	0	0
BUFF0068[1]	BEAR CREEK WEST OF MARSHALL, AR	No	497	310	187	0
BUFF0069[1]	BEAR CREEK BELOW MARSHALL ARK	No	532	330	202	0
BUFF0070	BEAR CREEK NEAR MARSHALL	No	37	15	0	22
BUFF0071[1]	BEAR CREEK AT HWY 65 4 MI. W. OF MARSHALL	No	267	267	0	0

Station Period of Record Tabulation
From 07/23/45 To 04/07/97

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75
BUFF0072[1]	GILBERT SPRING	Yes	908	908	0	0
BUFF0073	spring SP-20	Yes	0	0	0	0
BUFF0074	SPRING SP-20	Yes	160	160	0	0
BUFF0075	BEAR CREEK BELOW MARSHALL STP	No	80	0	0	80
BUFF0076[1]	BUFFALO RIVER AT GILBERT, ARKANSAS	Yes	399	0	169	230
BUFF0077[1]	BUFFALO RIVER AT GILBERT	Yes	1166	1166	0	0
BUFF0078	17N17W25BDD1SP	No	44	44	0	0
BUFF0079	BUFFALO R- APPR 200 FT DNST FR HWY 65 BRIDGE	Yes	19	0	0	19
BUFF0080[1]	BUFFALO RIVER NEAR ST. JOE, ARK.	Yes	10858	4802	3726	2330
BUFF0081	BUFFALO RIVER NR ST. JOE, ARK.	Yes	0	0	0	0
BUFF0082	BUFFALO RIVER	Yes	0	0	0	0
BUFF0083[1]	BUFFALO RIVER NR ST. JOE, ARK.	Yes	6759	3760	2999	0
BUFF0084	BUFFALO RIVER AB GILBERT HWY 65	Yes	80	0	0	80
BUFF0085	BUFFALO RIVER AT CONFLUENCE AT BUCK POINT	Yes	13	0	13	0
BUFF0086[1]	MILL CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	669	669	0	0
BUFF0087	BUFFALO RIVER 0.3 MI DNST FROM CALF CREEK	Yes	13	0	13	0
BUFF0088[1]	CALF CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	1355	1355	0	0
BUFF0089	CALF CREEK APPR 1.3 MI FROM BUFFALO RIVER	No	13	0	13	0
BUFF0090	MILL CREEK 0.3 MI FROM BUFFALO RIVER CONF	No	13	0	13	0
BUFF0091	BUFFALO RIVER AT ARNOLD BEND	Yes	12	0	12	0
BUFF0092	ROCKY HOLLOW APPR 0.3 MI FROM BUFFALO RIVER CONF	Yes	13	0	13	0
BUFF0093	BUFFALO RIVER AT RED BLUFF NEAR CASH BEND	Yes	13	0	13	0
BUFF0094	BUFFALO RIVER 0.8 MI NORTHEAST OF SLAY CEMETERY	Yes	12	0	12	0
BUFF0095	UNMD CR NEAR SLAY CEMETERY 100 FT FR BUFFALO R	Yes	13	0	13	0
BUFF0096	BUFFALO RIVER CONFLUENCE AT WHITE FORD	Yes	13	0	13	0
BUFF0097	BUFFALO RIVER APPR 1.9 MI FROM RICHLAND CREEK	Yes	13	0	13	0
BUFF0098	JAMISON CREEK APPR 400 FEET FROM BUFFALO R CONF	No	13	0	13	0
BUFF0099	BUFFALO RIVER NEAR EULA, AR	Yes	256	256	0	0
BUFF0100[1]	BUFFALO RIVER AT WOOLUM	Yes	1137	1137	0	0
BUFF0101	BUFFALO RIVER	Yes	0	0	0	0
BUFF0102[1]	RICHLAND CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	642	642	0	0
BUFF0103	ROUGHEDGE HOLLOW APPR 0.5 MI FR BUFFALO R CONF	Yes	13	0	13	0
BUFF0104	BUFFALO R NEAR RICHLAND VALLEY AND ROUGHEDGE FOR	Yes	13	0	13	0
BUFF0105	BUFFALO RIVER APPR 2.4 MI BELOW CANE BRANCH	Yes	13	0	13	0
BUFF0106	BUFFALO RIVER APPR 1.3 MI BELOW CANE BRANCH	Yes	13	0	13	0
BUFF0107	CAVE BRANCH APPR 200 FEET FROM BUFFALO RIVER CON	No	13	0	13	0
BUFF0108	RICHLAND CREEK N.E. OF MOORE AR	No	41	41	0	0
BUFF0109	RICHLAND CREE	No	0	0	0	0
BUFF0110	RICHLAND CREEK NEAR WITTS SPRING, AR	No	223	223	0	0
BUFF0111	SMALL CREEK 1.3 MI BELOW CANE BRANCH	No	13	0	13	0
BUFF0112	FALLING WATER CR.- SITE G-ABOVE	No	30	0	30	0
BUFF0113	UNNAMED TRIB TO FALLING WATER CR./SITE G/ BELOW	No	54	0	54	0
BUFF0114	UNNAMED TRIB. TO FALLING WATER CR./SITE F/ABOVE	No	30	0	30	0
BUFF0115	UNNAMED TRIB. TO FALLING WATER CR./SITE F/ BELOW	No	53	0	53	0
BUFF0116[1]	MITCH HILL SPRING	Yes	807	807	0	0
BUFF0117	CAVE CREEK AT BUFFALO RIVER CONFLUENCE	Yes	13	0	13	0
BUFF0118[1]	CAVE CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	634	634	0	0
BUFF0119	BUFFALO RIVER APPR 1.0 MI BELOW MT HERSEY	Yes	13	0	13	0
BUFF0120	MILL BRANCH AT BUFFALO RIVER CONFLUENCE	Yes	13	0	13	0
BUFF0121	DAVIS CREEK AT BUFFALO RIVER CONFLUENCE	Yes	12	0	12	0
BUFF0122[1]	DAVIS CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	794	794	0	0
BUFF0123	UNNAMED TRIB. TO FALLING WATER CR./SITE E/ BELOW	No	54	0	54	0
BUFF0124	UNNAMED TRIB. TO FALLING WATER CR./SITE E/ ABOVE	No	27	0	27	0
BUFF0125	BUFFALO RIVER 1.0 MI ABOVE DAVIS CREEK	Yes	13	0	13	0
BUFF0126	RICHLAND CR AT BUFFALO R CONF, APPR 0.2 MI FR WO	No	13	0	13	0
BUFF0127	RICHLAND CREEK N. OF MOORE AR	No	32	32	0	0
BUFF0128	BUFFALO RIVER 0.4 MI BELOW LICK CREEK	Yes	13	0	13	0
BUFF0129	LICK CREEK AT BUFFALO RIVER CONFLUENCE	Yes	13	0	13	0
BUFF0130	spring SP-19	No	0	0	0	0
BUFF0131	SPRING SP-19	No	161	161	0	0
BUFF0132	BUFFALO RIVER 0.6 MI BELOW HANCOCK HOLLOW	Yes	13	0	13	0
BUFF0133	HANCOCK HOLLOW AT BUFFALO RIVER CONFLUENCE	Yes	13	0	13	0
BUFF0134	FALLS BRANCH CAVE CREEK	No	27	27	0	0
BUFF0135	BUFFALO RIVER 100 FEET FROM CARVER, ARKANSAS	No	13	0	13	0
BUFF0136[1]	BUFFALO RIVER NEAR HASTY, ARK.	Yes	1503	21	1223	259
BUFF0137	BIG CREEK AT BUFFALO RIVER CONFLUENCE	Yes	13	0	13	0
BUFF0138	BUFFALO RIVER NEAR HASTY, ARK.	Yes	0	0	0	0
BUFF0139	FALLS BRANCH CAVE CREEK	No	27	27	0	0
BUFF0140[1]	BIG CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	815	815	0	0
BUFF0141	ELM SPRING AT BUFFALO RIVER CONFLUENCE	Yes	12	0	12	0
BUFF0142	BUFFALO RIVER 0.1 MI BELOW SHELDON BRANCH	Yes	12	0	12	0

Station Period of Record Tabulation
From 07/23/45 To 04/07/97

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75
BUFF0143	SHELDON BRANCH AT BUFFALO RIVER CONFLUENCE	Yes	13	0	13	0
BUFF0144[1]	BUFFALO R NEAR BRIDGE 370, UPST FROM ROCK CREEK	Yes	275	0	70	205
BUFF0145[1]	BUFFALO RIVER AT HASTY	Yes	1227	1227	0	0
BUFF0146	UNMD CR 0.8 MI ABOVE HASTY LOW WATER BRIDGE	Yes	13	0	13	0
BUFF0147	BUFFALO RIVER APPR 700 FT FROM LOST HILL	Yes	13	0	13	0
BUFF0148	LITTLE BUFFALO R 225 FT FR BUFFALO R CONF	Yes	13	0	13	0
BUFF0149[1]	LITTLE BUFFALO RIVER-TRIBUTARY OF BUFFALO RIVER	Yes	829	829	0	0
BUFF0150	MILL CREEK BL DOGPATCH USA	No	25	0	0	25
BUFF0151[1]	MILL CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	914	914	0	0
BUFF0152	MILL CREEK AT BUFFALO RIVER CONFLUENCE	Yes	13	0	13	0
BUFF0153[1]	BUFFALO RIVER AT PRUITT	Yes	1288	1288	0	0
BUFF0154	BUFFALO RIVER APPR 410 FT FROM PRUITT	Yes	12	0	12	0
BUFF0155	BUFFALO RIVER AT PRUITT HWY 7	Yes	79	0	0	79
BUFF0156	LITTLE BUFFALO RIVER BELOW JASPER AR	No	13	13	0	0
BUFF0157[1]	LITTLE BUFFALO RIVER AT JASPER, ARKANSAS	No	354	0	136	218
BUFF0158	BUFFALO R APPR 850 FT FR BROWN CEMETERY	Yes	13	0	13	0
BUFF0159	BUFFALO RIVER AT JASPER	No	254	0	37	217
BUFF0160	LITTLE BUFFALO RIVER AT JASPER, ARK.	No	88	15	51	22
BUFF0161	LITTLE BUFFALO RIVER AT JASPER	No	37	15	0	22
BUFF0162	SAWMILL HOLLOW APPR 900 FT FR BUFFALO R CONF	Yes	13	0	13	0
BUFF0163	LITTLE BUFFALO RIVER ABOVE JASPER AR	No	34	34	0	0
BUFF0164	BUFFALO R 0.3 MI BELOW CONRAD FISSURE	Yes	13	0	13	0
BUFF0165	UNMD TRIB 400 FT FR CONRAD FISSURE	No	13	0	13	0
BUFF0166	WEBB BRANCH APPR 0.4 MI FROM BUFFALO R CONF	Yes	13	0	13	0
BUFF0167	CECIL CREEK APPR 0.4 MI FR BUFFALO R CONF	Yes	13	0	13	0
BUFF0168	BUFFALO RIVER 1.0 MILE ABOVE ERBIE FORD	Yes	13	0	13	0
BUFF0169[1]	CECIL CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	731	731	0	0
BUFF0170	SHOP CREEK AT PARTHENON, AR	No	254	254	0	0
BUFF0171	SHOP CREEK AT	No	0	0	0	0
BUFF0172	SHOP CREEK APPR 400 FT FR BUFFALO R CONF	Yes	13	0	13	0
BUFF0173	BUFFALO R 620 FT FR CAMP ORR 900 FT FR WATER TAN	Yes	13	0	13	0
BUFF0174	CLEMMONS HOLLOW 0.7 MI FR BUFFALO R CONF	Yes	13	0	13	0
BUFF0175	BEAR CREEK 0.8 MI FROM BUFFALO RIVER CONF	Yes	13	0	13	0
BUFF0176	BUFFALO R-LICK FORD UPST FR BEAR CAVE HOLLOW	Yes	13	0	13	0
BUFF0177	BUFFALO R 0.5 MI UPST FR SNEEDS CR AT JIM BLUFF	Yes	13	0	13	0
BUFF0178	BEECH CR APPR 430 FT FR BUFFALO RIVER CONF	Yes	13	0	13	0
BUFF0179	LITTLE BUFFAL	No	0	0	0	0
BUFF0180	LITTLE BUFFALO CREEK AT MURRAY, AR	No	305	305	0	0
BUFF0181	BUFFALO R APPR 800 FT DNST FROM STEEL CREEK	Yes	11	0	11	0
BUFF0182	BUFFALO R- BEE BLUFF UPST FR CLIFF HOLLOW	Yes	13	0	13	0
BUFF0183	SNEEDS CR APPR 780 FT FR MIDDLE PRONG CONF	Yes	13	0	13	0
BUFF0184	BUFFALO R APPR 200 FT UPST FROM STEEL CREEK	Yes	11	0	11	0
BUFF0185	STEEL CR APPR 800 FT UPST FROM BUFFALO R CONF	Yes	11	0	11	0
BUFF0186[1]	BUFFALO RIVER AT PONCA	Yes	1276	1276	0	0
BUFF0187	Buffalo River at Ponca	Yes	537	537	0	0
BUFF0188	BUFFALO R 200 FT UPST FROM LEATHERWOOD CREEK	Yes	11	0	11	0
BUFF0189	BUFFALO R APPR 200 FT BELOW PONCA CR CONF	Yes	11	0	11	0
BUFF0190[1]	PONCA CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	821	821	0	0
BUFF0191	BUFFALO R 50 YDS DNST FROM PONCA CREEK CONF	Yes	24	0	0	24
BUFF0192	LEATHERWOOD CR UPST FROM BUFFALO R - RM 120	Yes	33	0	33	0
BUFF0193	LEATHERWOOD CR APPR 100 FT ABV BUFFALO R CONF	Yes	11	0	11	0
BUFF0194	PONCA CR APPR 0.05 MI ABV CONF WITH BUFFALO R	Yes	179	0	61	118
BUFF0195	ADDS CREEK APPR 1.4 MI ABV CONF WITH PONCA CR	No	13	0	13	0
BUFF0196	PONCA CR APPR O.3 MI ABV CONF WITH BUFFALO RIVER	No	13	0	13	0
BUFF0197	ADDS CR APPR 2 MI ABV CONF WITH PONCA CR	No	13	0	13	0
BUFF0198	ADDS CR APPR 2.4 MI ABV CONF WITH PONCA CR	No	13	0	13	0
BUFF0199	BUFFALO RIVER 200 FT DNST FROM CLARK CREEK CONF	Yes	11	0	11	0
BUFF0200	BUFFALO RIVER 200 FT UPSTREAM FROM CLARK CREEK	Yes	11	0	11	0
BUFF0201	ADDS CR APPR 0.7 MI ABV CONF WITH PONCA CR	No	13	0	13	0
BUFF0202	PONCA CR APPR 0.05 MI BLW CONF WITH ADDS CR	No	13	0	13	0
BUFF0203	ADDS CR APPR 0.5 MI ABV PONCA CR CONFLUENCE	No	11	0	11	0
BUFF0204	BUFFALO R APPR 200 FT UPST FROM RUNNING CREEK	Yes	11	0	11	0
BUFF0205	PONCA CR APPR 0.1 MI ABV CONF WITH ADDS CR	No	24	0	24	0
BUFF0206	RUNNING CR 200 FT ABV CONF WITH BUFFALO RIVER	Yes	11	0	11	0
BUFF0207	PONCA CR APPR 0.3 MI ABV CONF WITH ADDS CR	No	13	0	13	0
BUFF0208	CLARK CR APPR 0.25 MI UPST FROM BUFFALO R CONF	Yes	11	0	11	0
BUFF0209	UNNAMED TRIB APPR 0.7 MI ABV CONF WITH ADDS CR	No	13	0	13	0
BUFF0210	UNNAMED TRIB APPR 1 MI ABV CONF WITH ADDS CR	No	13	0	13	0
BUFF0211	BUFFALO R APPR 800 FT DNST FROM WHITELEY CR CONF	Yes	11	0	11	0
BUFF0212	WHITELEY CR 500 FT UPST FROM BUFFALO CREEK CONF	Yes	11	0	11	0
BUFF0213	BUFFALO R AT MTH OF UNMD STR BELOW ARRINGTON CR	Yes	11	0	11	0

Station Period of Record Tabulation
From 07/23/45 To 04/07/97

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75
BUFF0214	BEECH RIVER ABOUT 800 FT UPST FROM ARRINGTON CR	Yes	11	0	11	0
BUFF0215	SMITH CR 1000 FT UPST FROM BUFFALO RIVER CONF	Yes	11	0	11	0
BUFF0216	BUFFALO RIVER 200 FT DNST FROM MOORE CREEK	Yes	11	0	11	0
BUFF0217	BUFFALO R ABOUT 200 FT DNST FROM SMITH CR CONF	Yes	11	0	11	0
BUFF0218[1]	LUALLEN SPRING	Yes	802	802	0	0
BUFF0219	BUFFALO RIVER - ABOUT 200 FT UPST FROM SMITH CR	Yes	11	0	11	0
BUFF0220[1]	BUFFALO R APPR 2.5 MI UPST FROM BOXLEY, ARKANSAS	Yes	330	0	136	194
BUFF0221	WHITELEY CR APPR 1 MI UPST FROM BUFFALO R CONF	Yes	11	0	11	0
BUFF0222	ARRINGTON CR ABOUT 1500 FT FROM BUFFALO R CONF	Yes	11	0	11	0
BUFF0223	MOORE CR ABOUT 3000 FT UPST FROM BUFFALO RIVER	Yes	11	0	11	0
BUFF0224	BEECH RIVER 400 FT DNST FROM BEECH CREEK CONF	Yes	11	0	11	0
BUFF0225[1]	BUFFALO RIVER NEAR BOXLEY	Yes	2083	2083	0	0
BUFF0226	BUFFALO RIVER	Yes	0	0	0	0
BUFF0227	MOUTH OF BEECH CR - 200 FT UPST FROM BUFFALO R	Yes	11	0	11	0
BUFF0228	BUFFALO R ABOUT 500 FT UPST FROM BEECH CR CONF	Yes	11	0	11	0
BUFF0229[1]	BEECH CREEK - TRIBUTARY OF BUFFALO RIVER	Yes	529	529	0	0
BUFF0230	Buffalo River at Wilderness Boundary	Yes	466	466	0	0
BUFF0231[1]	BUFFALO RIVER AT WILDERNESS BOUNDARY	Yes	1198	1198	0	0
BUFF0232	NO NAME	No	27	27	0	0
BUFF0233	NO NAME	No	27	27	0	0

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

Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	4	0	4	0	3	2
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	1595	1498	97	0	41	35
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	3571	3180	304	87	69	47
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	651	347	268	36	44	32
00023	SAMPLE WEIGHT IN POUNDS	41	0	41	0	2	2
00024	SAMPLE LENGTH IN INCHES	41	0	41	0	2	2
00025	BAROMETRIC PRESSURE (MM OF HG)	87	86	1	0	9	5
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	413	251	162	0	17	7
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	398	251	147	0	17	7
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	36	0	36	0	6	0
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	2	2	0	0	2	1
00060	FLOW, STREAM, MEAN DAILY CFS	848	664	2	182	45	38
00061	FLOW, STREAM, INSTANTANEOUS CFS	1203	833	367	3	54	41
00064	DEPTH OF STREAM, MEAN (FT)	4	4	0	0	4	0
00065	STAGE, STREAM (FEET)	1692	1604	88	0	40	37
00070	TURBIDITY, (JACKSON CANDLE UNITS)	88	0	50	38	8	5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	2047	1894	153	0	46	37
00080	COLOR (PLATINUM-COBALT UNITS)	296	4	135	157	16	7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	61	61	0	0	2	2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3192	2769	215	208	62	45
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	4	4	0	0	4	0
00300	OXYGEN, DISSOLVED MG/L	2873	2573	262	38	60	46
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	318	69	234	15	5	4
00310	BOD, 5 DAY, 20 DEG C MG/L	571	272	261	38	14	8
00335	COD, .025N K2CR2O7 MG/L	184	38	146	0	5	3
00340	COD, .25N K2CR2O7 MG/L	5	0	3	2	2	2
00400	PH (STANDARD UNITS)	3013	2561	262	190	63	45
00403	PH, LAB, STANDARD UNITS SU	99	94	5	0	17	6
00405	CARBON DIOXIDE (MG/L AS CO2)	12	0	10	2	2	2
00406	PH, FIELD, STANDARD UNITS SU	62	62	0	0	2	2
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	4	4	0	0	4	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	367	136	39	192	47	41
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	87	87	0	0	8	4
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	2	2	0	0	2	1
00440	BICARBONATE ION (MG/L AS HCO3)	197	4	18	175	11	3
00445	CARBONATE ION (MG/L AS CO3)	189	0	16	173	7	3
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	87	87	0	0	8	4
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	87	87	0	0	8	4
00500	RESIDUE, TOTAL (MG/L)	79	0	48	31	6	5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	87	0	58	29	6	5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	734	431	274	29	20	10
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	2	2	0	0	1	1
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	2	2	0	0	1	1
00600	NITROGEN, TOTAL (MG/L AS N)	25	0	25	0	3	2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	103	61	42	0	5	4
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	2	0	2	0	1	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	153	151	2	0	14	8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1995	1799	196	0	45	37
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	92	90	2	0	12	6
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	84	0	84	0	4	4
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	157	0	127	30	7	6
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	92	90	2	0	12	6
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	2	0	2	0	1	1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	945	785	160	0	47	42
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	2056	1884	172	0	45	37
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	161	153	8	0	14	8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	16	0	0	16	4	3
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	6	0	6	0	1	1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	1478	1209	254	15	48	40
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	96	93	3	0	15	6
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	96	90	6	0	12	6
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	309	309	0	0	19	18
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	93	93	0	0	14	5
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	85	85	0	0	8	4
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	4	4	0	0	4	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	740	412	137	191	52	40
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	185	0	13	172	7	3
00910	CALCIUM (MG/L AS CACO3)	37	0	16	21	6	5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	386	151	53	182	39	23
00916	CALCIUM, TOTAL (MG/L AS CA)	42	0	24	18	7	6
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	252	0	128	124	142	109

Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	73	73	0	0	14	14
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	58	58	0	0	11	11
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	71	71	0	0	13	13
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	254	0	128	126	142	109
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	387	151	54	182	39	23
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	66	0	27	39	14	12
00927	MAGNESIUM, TOTAL (MG/L AS MG)	42	0	24	18	7	6
00928	SODIUM, SUSPENDED (MG/L AS NA)	67	0	27	40	14	12
00929	SODIUM, TOTAL (MG/L AS NA)	47	0	42	5	3	3
00930	SODIUM, DISSOLVED (MG/L AS NA)	365	151	35	179	38	22
00931	SODIUM ADSORPTION RATIO	138	0	8	130	7	3
00932	SODIUM, PERCENT	132	0	8	124	3	3
00933	SODIUM,PLUS POTASSIUM (MG/L)	1	0	1	0	1	1
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	215	0	100	115	115	83
00935	POTASSIUM, DISSOLVED (MG/L AS K)	334	151	35	148	38	22
00936	POTASSIUM, SUSPENDED (MG/L AS K)	67	0	27	40	14	12
00937	POTASSIUM, TOTAL MG/L AS K)	47	0	43	4	4	3
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	215	0	100	115	115	83
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	64	64	0	0	15	15
00940	CHLORIDE,TOTAL IN WATER MG/L	2222	1775	253	194	66	47
00941	CHLORIDE, DISSOLVED IN WATER MG/L	4	4	0	0	4	0
00945	SULFATE, TOTAL (MG/L AS SO4)	2237	1803	243	191	62	45
00946	SULFATE, DISSOLVED (MG/L AS SO4)	4	4	0	0	4	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	178	94	8	76	20	7
00955	SILICA, DISSOLVED (MG/L AS SI02)	179	94	8	77	20	7
01000	ARSENIC, DISSOLVED (UG/L AS AS)	50	44	6	0	7	4
01001	ARSENIC, SUSPENDED (UG/L AS AS)	6	0	6	0	1	1
01002	ARSENIC, TOTAL (UG/L AS AS)	179	64	100	15	15	14
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	4	0	4	0	2	2
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	5	0	5	0	2	2
01005	BARIUM, DISSOLVED (UG/L AS BA)	76	70	6	0	10	5
01006	BARIUM, SUSPENDED (UG/L AS BA)	6	0	6	0	1	1
01007	BARIUM, TOTAL (UG/L AS BA)	6	0	6	0	1	1
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	70	70	0	0	9	4
01020	BORON, DISSOLVED (UG/L AS B)	29	23	6	0	4	2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	247	163	35	49	44	37
01026	CADMIUM, SUSPENDED (UG/L AS CD)	34	0	4	30	13	11
01027	CADMIUM, TOTAL (UG/L AS CD)	471	245	213	13	27	25
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	248	0	131	117	143	110
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	247	0	132	115	143	110
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	232	157	35	40	44	37
01031	CHROMIUM, SUSPEND (UG/L AS CR)	37	0	7	30	13	11
01034	CHROMIUM, TOTAL (UG/L AS CR)	425	231	182	12	28	25
01035	COBALT, DISSOLVED (UG/L AS CO)	145	70	35	40	24	17
01036	COBALT, SUSPENDED (UG/L AS CO)	35	0	5	30	13	11
01037	COBALT, TOTAL (UG/L AS CO)	90	82	8	0	11	11
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	243	0	128	115	141	108
01039	COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	4	0	4	0	2	2
01040	COPPER, DISSOLVED (UG/L AS CU)	252	168	35	49	44	37
01041	COPPER, SUSPENDED (UG/L AS CU)	26	0	7	19	13	11
01042	COPPER, TOTAL (UG/L AS CU)	507	252	240	15	28	25
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	243	0	128	115	141	108
01044	IRON, SUSPENDED (UG/L AS FE)	73	0	33	40	15	13
01045	IRON, TOTAL (UG/L AS FE)	238	86	130	22	18	17
01046	IRON, DISSOLVED (UG/L AS FE)	295	143	35	117	31	22
01049	LEAD, DISSOLVED (UG/L AS PB)	280	196	35	49	46	39
01050	LEAD, SUSPENDED (UG/L AS PB)	37	0	7	30	13	11
01051	LEAD, TOTAL (UG/L AS PB)	459	250	194	15	28	25
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	242	0	127	115	138	105
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	254	0	128	126	142	109
01054	MANGANESE, SUSPENDED (UG/L AS MN)	74	0	34	40	15	13
01055	MANGANESE, TOTAL (UG/L AS MN)	150	0	133	17	7	6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	234	150	35	49	34	21
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	45	45	0	0	7	3
01065	NICKEL, DISSOLVED (UG/L AS NI)	139	70	29	40	24	17
01066	NICKEL, SUSPENDED (UG/L AS NI)	31	0	1	30	13	11
01067	NICKEL, TOTAL (UG/L AS NI)	85	82	3	0	12	11
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	243	0	128	115	141	108
01075	SILVER, DISSOLVED (UG/L AS AG)	53	45	8	0	8	4
01076	SILVER, SUSPENDED (UG/L AS AG)	6	0	6	0	1	1
01077	SILVER, TOTAL (UG/L AS AG)	71	63	8	0	11	11

Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	54	24	11	19	17	12
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	30	0	11	19	12	10
01085	VANADIUM, DISSOLVED (UG/L AS V)	49	49	0	0	7	3
01090	ZINC, DISSOLVED (UG/L AS ZN)	264	180	35	49	44	37
01091	ZINC, SUSPENDED (UG/L ZN)	74	0	34	40	15	13
01092	ZINC, TOTAL (UG/L AS ZN)	478	229	236	13	27	24
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	254	0	128	126	142	109
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	21	21	0	0	6	3
01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	7	7	0	0	7	7
01105	ALUMINUM, TOTAL (UG/L AS AL)	7	4	1	2	7	2
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	48	48	0	0	8	4
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	86	86	0	0	11	11
01130	LITHIUM, DISSOLVED (UG/L AS LI)	54	24	11	19	17	12
01131	LITHIUM, SUSPENDED (UG/L AS LI)	30	0	11	19	12	10
01145	SELENIUM, DISSOLVED (UG/L AS SE)	50	44	6	0	7	4
01146	SELENIUM, SUSPENDED (UG/L AS SE)	6	0	6	0	1	1
01147	SELENIUM, TOTAL (UG/L AS SE)	52	0	52	0	3	3
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	7	0	0	7	7	6
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	254	0	128	126	142	109
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	21	21	0	0	10	5
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	21	21	0	0	10	5
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	11	11	0	0	10	5
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	21	21	0	0	10	5
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	21	21	0	0	10	5
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	21	21	0	0	10	5
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	21	21	0	0	10	5
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	21	21	0	0	10	5
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	2	2	0	0	2	1
22703	URANIUM, NATURAL, DISSOLVED	21	21	0	0	6	3
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	277	184	81	12	35	34
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	3072	2812	246	14	42	38
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	94	86	8	0	10	5
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	68	68	0	0	9	4
31648	E. COLI - MTEC-MF N0/100ML	20	20	0	0	1	1
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	112	104	8	0	22	17
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	36	0	34	2	2	2
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	34	0	34	0	2	2
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	43	0	43	0	2	2
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	32	0	32	0	2	2
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	34	0	34	0	2	2
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	39	0	39	0	2	2
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	35	0	35	0	2	2
32223	CHLOROPHYLL A MG/M2 SPECTROPHOTOMETRIC CORRECTED	2	0	2	0	2	2
32224	PHEOPHYTIN A MG/M2 SPECTROPHOTOMETRIC ACID METH	2	0	2	0	2	2
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	2	0	2	0	2	2
32227	CHLOROPHYLL C, PERIPHYTON SPECTO, MG/M2	2	0	2	0	2	2
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	2	0	2	0	2	2
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	2	2	0	0	2	1
34253	A-BHC-ALPHA DISSUG/L	21	21	0	0	10	5
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	2	2	0	0	2	1
34351	ENDOSULFAN SULFATE TOTWUG/L	2	2	0	0	2	1
34356	ENDOSULFAN, BETA TOTWUG/L	2	2	0	0	2	1
34361	ENDOSULFAN, ALPHA TOTWUG/L	2	2	0	0	2	1
34653	P,P'-DDE DISSUG/L	21	21	0	0	10	5
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	8	0	8	0	2	2
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	7	0	7	0	1	1
34685	ENDRIN WET WGTTISMG/KG	8	0	8	0	2	2
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	7	0	7	0	1	1
34790	SURFACTANTS, AS CTAS, WATER MG/L	2	2	0	0	2	2
34795	ANTIMONY, BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34800	ARSENIC, BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34805	BARIUM, BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34810	BERYLLIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34816	BISMUTH,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34825	CADMIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34830	CALCIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34835	CERIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34840	COBALT,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34845	CHROMIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34850	COPPER,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34855	EUROPIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2

Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34860	GALLIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34870	GOLD,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34875	HOLMIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34880	IRON,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34885	LANTHANUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34890	LEAD,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34895	LITHIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34900	MAGNESIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34905	MANGANESE,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34910	MERCURY,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34915	MOLYBDENUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34920	NEODYMIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34925	NICKEL,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34930	NIOBIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34935	PHOSPHORUS,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34940	POTASSIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34945	SCANDIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34950	SELENIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34955	SILVER,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34960	SODIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34965	STRONTIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34970	SULFUR,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34975	TANTALUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34980	THORIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
34985	TIN,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
35000	URANIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
35005	VANADIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
35010	YTTRIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
35015	YTTERBIUM,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
35020	ZINC,BEDLOAD SED,WET SIEVE DIAM	2	2	0	0	2	2
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	2	2	0	0	2	1
38442	DICAMBA (BANVEL) WATER,DISSUG/L	11	11	0	0	10	5
38478	LINURON WATER,DISSUG/L	11	11	0	0	10	5
38482	MCPA WATER,DISSUG/L	11	11	0	0	10	5
38487	MCPB WATER,DISSUG/L	11	11	0	0	10	5
38501	METHIOCARB WATER,DISSUG/L	13	13	0	0	12	6
38538	PROPOXUR WATER,DISSUG/L	13	13	0	0	12	6
38559	TERBUTHYLAZINE WATER, TOTUG/L	2	2	0	0	2	1
38578	PROPAZINE, TOTAL, WATER UG/L	2	2	0	0	2	1
38711	BENTAZON WATER, DISUG/L	11	11	0	0	10	5
38746	2,4-DB WATER, DISUG/L	11	11	0	0	10	5
38811	FLUOMETURON WATER, DISUG/L	11	11	0	0	10	5
38815	HEXAZINONE WATER, TOTUG/L	2	2	0	0	2	1
38866	OXAMYL WATER, DISUG/L	12	12	0	0	12	6
38887	TERBUTRYN WATER, TOTUG/L	2	2	0	0	2	1
38933	CHLORPYRIFOS,DISSOLVED UG/L	21	21	0	0	10	5
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	1	1
39055	SIMAZINE IN WHOLE WATER (UG/L)	2	2	0	0	2	1
39056	PROMETONE IN WHOLE WATER (UG/L)	2	2	0	0	2	1
39057	PROMETRYNE IN WHOLE WATER (UG/L)	2	2	0	0	2	1
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	6	0	6	0	1	1
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	1	0	1	0	1	1
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	7	0	7	0	1	1
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	3	0	3	0	1	1
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	7	0	7	0	1	1
39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	3	0	3	0	1	1
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	7	0	7	0	1	1
39070	CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	3	0	3	0	1	1
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	7	0	7	0	1	1
39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	3	0	3	0	1	1
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	8	0	8	0	2	2
39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	8	0	8	0	2	2
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	4	0	4	0	2	2
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	87	87	0	0	8	4
39105	PERCENT FAT HEXANE EXTRACTION	1	0	1	0	1	1
39161	LASSO- (ALCHLOR) -UG/L	17	2	15	0	3	2
39162	2,4,5 TRI ISO OCTYL ESTER - UG/L	12	0	12	0	1	1
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	3	0	3	0	1	1
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	1
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	2	2

Parameter Period of Record Tabulation
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Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39302	P P DDT IN TISSUE WET WGT (UG/G)	8	0	8	0	2	2
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39307	O P DDT IN TISSUE WET WGT (UG/G)	8	0	8	0	2	2
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	1
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39312	P P DDD IN TISSUE WET WGT (UG/G)	8	0	8	0	2	2
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	1
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	8	0	8	0	2	2
39325	O,P DDD IN TISSUE WET WGT (UG/G)	8	0	8	0	2	2
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	8	0	8	0	2	2
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	45	6	37	2	7	4
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	8	0	8	0	3	3
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	2	2	0	0	2	1
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	2	2	0	0	2	1
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	6	2	4	0	3	2
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	21	21	0	0	10	5
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	4	0	4	0	1	1
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	4	0	4	0	1	1
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	4	0	4	0	1	1
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	2	2	0	0	2	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	9	0	7	2	3	3
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	1
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	43	4	37	2	6	4
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	1
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	43	4	37	2	6	4
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	1
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	45	6	37	2	7	4
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	21	0	0	10	5
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	8	0	8	0	3	3
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	9	0	7	2	3	3
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	45	6	37	2	7	4
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	8	0	8	0	3	3
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	1	1
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	43	4	37	2	6	4
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	4	0	4	0	1	1
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	8	0	8	0	2	2
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	11	2	7	2	5	4
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	1
39415	METOLACHLOR, WATER, DISSOLVED UG/L	21	21	0	0	10	5
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	11	2	7	2	5	4
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	4	0	4	0	1	1
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	11	2	7	2	5	4
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	8	0	8	0	3	3
39482	METHOXYCHLOR IN FISH - UG/KG	8	0	8	0	2	2
39515	PCBS (MG/KG) FISH TISSUE MG/KG	8	0	8	0	2	2
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	25	0	25	0	3	3
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	8	0	8	0	3	3
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	23	2	21	0	4	3
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	1
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	21	0	0	10	5
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	1	1
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	1
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	21	0	0	10	5
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	6	2	4	0	3	2
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	1
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	21	0	0	10	5
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	45	6	37	2	7	4
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	2	0	2	0	1	1
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	1
39632	ATRAZINE DISSOLVED IN WATER PPB	21	21	0	0	10	5
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	3	0	3	0	1	1
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	25	0	25	0	3	3
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12	11	1	0	11	6
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1	1
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12	11	1	0	11	6
39755	MIREX, TOTAL (UG/L)	4	0	4	0	1	1

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Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1	1
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12	11	1	0	11	6
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	39	4	33	2	5	3
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	1	1
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	1	1
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	1
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	21	21	0	0	10	5
49235	INVALID PARAMETER	11	11	0	0	10	5
49236	INVALID PARAMETER	11	11	0	0	10	5
49237	INVALID PARAMETER	3	3	0	0	3	2
49238	INVALID PARAMETER	3	3	0	0	3	2
49239	INVALID PARAMETER	3	3	0	0	3	2
49240	INVALID PARAMETER	3	3	0	0	3	2
49241	INVALID PARAMETER	3	3	0	0	3	2
49242	INVALID PARAMETER	3	3	0	0	3	2
49243	INVALID PARAMETER	3	3	0	0	3	2
49244	INVALID PARAMETER	3	3	0	0	3	2
49245	INVALID PARAMETER	3	3	0	0	3	2
49246	INVALID PARAMETER	3	3	0	0	3	2
49247	INVALID PARAMETER	3	3	0	0	3	2
49248	INVALID PARAMETER	3	3	0	0	3	2
49249	INVALID PARAMETER	3	3	0	0	3	2
49250	INVALID PARAMETER	3	3	0	0	3	2
49251	INVALID PARAMETER	3	3	0	0	3	2
49252	INVALID PARAMETER	3	3	0	0	3	2
49253	INVALID PARAMETER	3	3	0	0	3	2
49254	INVALID PARAMETER	3	3	0	0	3	2
49255	INVALID PARAMETER	3	3	0	0	3	2
49257	INVALID PARAMETER	3	3	0	0	3	2
49258	INVALID PARAMETER	3	3	0	0	3	2
49260	INVALID PARAMETER	11	11	0	0	7	4
49261	INVALID PARAMETER	2	2	0	0	2	2
49264	INVALID PARAMETER	3	3	0	0	3	2
49266	INVALID PARAMETER	2	2	0	0	2	2
49267	INVALID PARAMETER	2	2	0	0	2	2
49269	INVALID PARAMETER	2	2	0	0	2	2
49270	INVALID PARAMETER	2	2	0	0	2	2
49271	INVALID PARAMETER	2	2	0	0	2	2
49272	INVALID PARAMETER	2	2	0	0	2	2
49273	INVALID PARAMETER	3	3	0	0	3	2
49274	INVALID PARAMETER	2	2	0	0	2	2
49275	INVALID PARAMETER	2	2	0	0	2	2
49276	INVALID PARAMETER	2	2	0	0	2	2
49277	INVALID PARAMETER	2	2	0	0	2	2
49278	INVALID PARAMETER	2	2	0	0	2	2
49279	INVALID PARAMETER	2	2	0	0	2	2
49280	INVALID PARAMETER	2	2	0	0	2	2
49289	INVALID PARAMETER	3	3	0	0	3	2
49291	INVALID PARAMETER	11	11	0	0	10	5
49292	INVALID PARAMETER	11	11	0	0	10	5
49293	INVALID PARAMETER	11	11	0	0	10	5
49294	INVALID PARAMETER	11	11	0	0	10	5
49295	INVALID PARAMETER	13	13	0	0	12	6
49296	INVALID PARAMETER	12	12	0	0	12	6
49297	INVALID PARAMETER	11	11	0	0	10	5
49298	INVALID PARAMETER	11	11	0	0	10	5
49299	INVALID PARAMETER	11	11	0	0	10	5
49300	INVALID PARAMETER	11	11	0	0	10	5
49301	INVALID PARAMETER	11	11	0	0	10	5
49302	INVALID PARAMETER	11	11	0	0	10	5
49303	INVALID PARAMETER	11	11	0	0	10	5
49304	INVALID PARAMETER	11	11	0	0	10	5
49305	INVALID PARAMETER	11	11	0	0	10	5
49306	INVALID PARAMETER	11	11	0	0	10	5
49307	INVALID PARAMETER	11	11	0	0	10	5
49308	INVALID PARAMETER	13	13	0	0	12	6
49309	INVALID PARAMETER	13	13	0	0	12	6
49310	INVALID PARAMETER	13	13	0	0	12	6

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Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
49311	INVALID PARAMETER	11	11	0	0	10	5
49312	INVALID PARAMETER	13	13	0	0	12	6
49313	INVALID PARAMETER	12	12	0	0	12	6
49314	INVALID PARAMETER	12	12	0	0	12	6
49315	INVALID PARAMETER	11	11	0	0	10	5
49316	INVALID PARAMETER	2	2	0	0	2	2
49317	INVALID PARAMETER	2	2	0	0	2	2
49318	INVALID PARAMETER	2	2	0	0	2	2
49319	INVALID PARAMETER	2	2	0	0	2	2
49320	INVALID PARAMETER	2	2	0	0	2	2
49321	INVALID PARAMETER	2	2	0	0	2	2
49322	INVALID PARAMETER	2	2	0	0	2	2
49324	INVALID PARAMETER	2	2	0	0	2	2
49325	INVALID PARAMETER	2	2	0	0	2	2
49326	INVALID PARAMETER	2	2	0	0	2	2
49327	INVALID PARAMETER	2	2	0	0	2	2
49328	INVALID PARAMETER	2	2	0	0	2	2
49329	INVALID PARAMETER	2	2	0	0	2	2
49330	INVALID PARAMETER	2	2	0	0	2	2
49331	INVALID PARAMETER	2	2	0	0	2	2
49332	INVALID PARAMETER	2	2	0	0	2	2
49335	INVALID PARAMETER	2	2	0	0	2	2
49338	INVALID PARAMETER	2	2	0	0	2	2
49339	INVALID PARAMETER	2	2	0	0	2	2
49341	INVALID PARAMETER	2	2	0	0	2	2
49342	INVALID PARAMETER	2	2	0	0	2	2
49343	INVALID PARAMETER	2	2	0	0	2	2
49344	INVALID PARAMETER	2	2	0	0	2	2
49345	INVALID PARAMETER	2	2	0	0	2	2
49346	INVALID PARAMETER	2	2	0	0	2	2
49347	INVALID PARAMETER	2	2	0	0	2	2
49348	INVALID PARAMETER	2	2	0	0	2	2
49349	INVALID PARAMETER	2	2	0	0	2	2
49350	INVALID PARAMETER	2	2	0	0	2	2
49351	INVALID PARAMETER	2	2	0	0	2	2
49353	INVALID PARAMETER	3	3	0	0	3	2
49354	INVALID PARAMETER	3	3	0	0	3	2
49355	INVALID PARAMETER	3	3	0	0	3	2
49356	INVALID PARAMETER	3	3	0	0	3	2
49357	INVALID PARAMETER	3	3	0	0	3	2
49358	INVALID PARAMETER	3	3	0	0	3	2
49359	INVALID PARAMETER	3	3	0	0	3	2
49360	INVALID PARAMETER	3	3	0	0	3	2
49361	INVALID PARAMETER	3	3	0	0	3	2
49362	INVALID PARAMETER	3	3	0	0	3	2
49363	INVALID PARAMETER	3	3	0	0	3	2
49364	INVALID PARAMETER	3	3	0	0	3	2
49365	INVALID PARAMETER	3	3	0	0	3	2
49366	INVALID PARAMETER	3	3	0	0	3	2
49367	INVALID PARAMETER	3	3	0	0	3	2
49368	INVALID PARAMETER	3	3	0	0	3	2
49369	INVALID PARAMETER	3	3	0	0	3	2
49370	INVALID PARAMETER	3	3	0	0	3	2
49371	INVALID PARAMETER	3	3	0	0	3	2
49372	INVALID PARAMETER	3	3	0	0	3	2
49373	INVALID PARAMETER	3	3	0	0	3	2
49374	INVALID PARAMETER	3	3	0	0	3	2
49375	INVALID PARAMETER	3	3	0	0	3	2
49376	INVALID PARAMETER	3	3	0	0	3	2
49377	INVALID PARAMETER	3	3	0	0	3	2
49378	INVALID PARAMETER	3	3	0	0	3	2
49379	INVALID PARAMETER	3	3	0	0	3	2
49380	INVALID PARAMETER	3	3	0	0	3	2
49381	INVALID PARAMETER	2	2	0	0	2	2
49382	INVALID PARAMETER	2	2	0	0	2	2
49383	INVALID PARAMETER	2	2	0	0	2	2
49384	INVALID PARAMETER	2	2	0	0	2	2
49387	INVALID PARAMETER	2	2	0	0	2	2
49388	INVALID PARAMETER	2	2	0	0	2	2
49389	INVALID PARAMETER	2	2	0	0	2	2
49390	INVALID PARAMETER	2	2	0	0	2	2

Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
49391	INVALID PARAMETER	2	2	0	0	2	2
49392	INVALID PARAMETER	2	2	0	0	2	2
49393	INVALID PARAMETER	2	2	0	0	2	2
49394	INVALID PARAMETER	2	2	0	0	2	2
49395	INVALID PARAMETER	2	2	0	0	2	2
49396	INVALID PARAMETER	2	2	0	0	2	2
49397	INVALID PARAMETER	2	2	0	0	2	2
49398	INVALID PARAMETER	2	2	0	0	2	2
49399	INVALID PARAMETER	2	2	0	0	2	2
49400	INVALID PARAMETER	2	2	0	0	2	2
49401	INVALID PARAMETER	2	2	0	0	2	2
49402	INVALID PARAMETER	2	2	0	0	2	2
49403	INVALID PARAMETER	2	2	0	0	2	2
49404	INVALID PARAMETER	2	2	0	0	2	2
49405	INVALID PARAMETER	2	2	0	0	2	2
49406	INVALID PARAMETER	2	2	0	0	2	2
49407	INVALID PARAMETER	2	2	0	0	2	2
49408	INVALID PARAMETER	2	2	0	0	2	2
49409	INVALID PARAMETER	2	2	0	0	2	2
49410	INVALID PARAMETER	2	2	0	0	2	2
49411	INVALID PARAMETER	2	2	0	0	2	2
49413	INVALID PARAMETER	2	2	0	0	2	2
49421	INVALID PARAMETER	2	2	0	0	2	2
49422	INVALID PARAMETER	2	2	0	0	2	2
49424	INVALID PARAMETER	2	2	0	0	2	2
49426	INVALID PARAMETER	2	2	0	0	2	2
49427	INVALID PARAMETER	2	2	0	0	2	2
49428	INVALID PARAMETER	2	2	0	0	2	2
49429	INVALID PARAMETER	2	2	0	0	2	2
49430	INVALID PARAMETER	2	2	0	0	2	2
49431	INVALID PARAMETER	2	2	0	0	2	2
49433	INVALID PARAMETER	2	2	0	0	2	2
49434	INVALID PARAMETER	2	2	0	0	2	2
49435	INVALID PARAMETER	2	2	0	0	2	2
49436	INVALID PARAMETER	2	2	0	0	2	2
49437	INVALID PARAMETER	2	2	0	0	2	2
49438	INVALID PARAMETER	2	2	0	0	2	2
49439	INVALID PARAMETER	2	2	0	0	2	2
49441	INVALID PARAMETER	2	2	0	0	2	2
49442	INVALID PARAMETER	2	2	0	0	2	2
49443	INVALID PARAMETER	2	2	0	0	2	2
49444	INVALID PARAMETER	2	2	0	0	2	2
49446	INVALID PARAMETER	2	2	0	0	2	2
49449	INVALID PARAMETER	2	2	0	0	2	2
49450	INVALID PARAMETER	2	2	0	0	2	2
49451	INVALID PARAMETER	2	2	0	0	2	2
49452	INVALID PARAMETER	2	2	0	0	2	2
49454	INVALID PARAMETER	2	2	0	0	2	2
49455	INVALID PARAMETER	2	2	0	0	2	2
49458	INVALID PARAMETER	2	2	0	0	2	2
49459	INVALID PARAMETER	2	2	0	0	2	2
49460	INVALID PARAMETER	2	2	0	0	2	2
49461	INVALID PARAMETER	2	2	0	0	2	2
49465	INVALID PARAMETER	3	3	0	0	3	2
49466	INVALID PARAMETER	2	2	0	0	2	2
49467	INVALID PARAMETER	2	2	0	0	2	2
49468	INVALID PARAMETER	2	2	0	0	2	2
49490	INVALID PARAMETER	2	2	0	0	2	2
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	2	0	1	1	2	2
61454	DIVERSITY INDEX CONF INTERVAL(95%),BENTH MACROINV	1	0	1	0	1	1
61455	DIVERSITY INDEX(SHANNON&WEAVER)B.MACROINV,ART.SUB.	3	0	2	1	1	1
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	839	518	183	138	25	13
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	51	0	8	43	3	3
70302	SOLIDS, DISSOLVED-TONS PER DAY	149	0	11	138	6	2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	209	20	51	138	7	3
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	86	86	0	0	8	4
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	1872	1754	118	0	46	38
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	2	2	0	0	1	1
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	2	2	0	0	1	1
70980	PRODUCTIVITY OF PERIPHYTON COMMUNITIES	2	0	2	0	2	2
70981	AUTOTROPHIC INDEX RE:PERIPHYTON WEBER & MCFARLAN	2	0	2	0	2	2

Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	4	0	4	0	1	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	2	0	2	0	1	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	172	4	0	168	10	2
71870	BROMIDE (MG/L AS BR)	2	2	0	0	2	1
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	5	0	0	5	4	1
71885	IRON (UG/L AS FE)	8	4	0	4	7	2
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10	0	10	0	2	1
71887	NITROGEN, TOTAL, AS NO3 - MG/L	25	0	25	0	3	2
71890	MERCURY, DISSOLVED (UG/L AS HG)	9	1	8	0	2	2
71895	MERCURY, SUSPENDED (UG/L AS HG)	7	0	7	0	1	1
71900	MERCURY, TOTAL (UG/L AS HG)	30	12	18	0	7	4
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	4	0	4	0	2	2
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	8	0	8	0	2	2
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	8	0	8	0	2	2
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	8	0	8	0	2	2
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	8	0	8	0	2	2
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	8	0	8	0	2	2
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	103	103	0	0	3	2
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	4	4	0	0	4	0
72025	DEPTH OF POND OR RESERVOIR IN FEET	2	0	2	0	1	0
75985	TRITIUM,1 SIGMA PRC EST, TOTAL, WATER PC/L	2	2	0	0	2	1
77729	RAMROD WHOLE WATER,UG/L	2	2	0	0	2	1
77825	ALACHLOR WHOLE WATER,UG/L	2	2	0	0	2	1
79194	FLUCHLORALIN, WATER, WHOLE UG/L	2	2	0	0	2	1
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	87	87	0	0	8	4
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	2	2	0	0	2	2
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	107	107	0	0	7	2
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	2	2	0	0	2	1
81357	CALCIUM SUSPENDED MG/L	67	0	27	40	14	12
81403	DURSBAN(CHLOROPYRIFOS)WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	1
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	2	2	0	0	2	1
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	2	2	0	0	2	1
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	2	0	2	0	1	1
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	2	0	2	0	1	1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	790	690	100	0	41	35
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	2	2	0	0	2	1
82185	ATRATON (GESTAMIN) TOTAL UG/L	2	2	0	0	2	1
82187	CYPRAZINE TOTAL UG/L	2	2	0	0	2	1
82199	ORDRAM (HYDRAM) IN WATER UG/L	2	2	0	0	2	1
82356	2,4-DP DISSOLVED IN WATER UG/L	1	0	1	0	1	1
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	2	2	0	0	2	1
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	143	143	0	0	5	5
82614	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	2	2	0	0	2	1
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	21	21	0	0	10	5
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	21	21	0	0	10	5
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	21	21	0	0	10	5
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	10	10	0	0	10	5
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	21	21	0	0	10	5
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5

Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Parameter Code	Name	Total Obs	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	21	21	0	0	10	5
83509	STREAM, WIDTH METER	4	4	0	0	4	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	5	5	0	0	3	1
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	5	5	0	0	3	1

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0083	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/19/79-06/19/79	0	1	
BUFF0136	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/08/77-06/08/77	0	1	
BUFF0160	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/19/82-05/19/82	0	2	
BUFF0007	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/03/92-10/07/96	4	22	
BUFF0008	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/27/90-10/07/96	6	22	
BUFF0009	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/03/92-10/07/96	4	21	
BUFF0013	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/03/92-10/07/96	4	21	
BUFF0021	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/12/95-06/12/95	0	1	
BUFF0029	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/19/90-11/05/96	6	45	
BUFF0031	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/24/90-11/05/96	6	47	
BUFF0034	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/22/90-11/05/96	6	50	
BUFF0049	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/22/90-11/05/96	6	49	
BUFF0051	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/07/92-10/08/96	4	21	
BUFF0062	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	10/23/90-09/17/96	5	87	
BUFF0064	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/06/92-05/06/96	4	22	
BUFF0065	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/06/92-10/21/96	4	59	
BUFF0069	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/13/83-06/10/86	2	24	
BUFF0071	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/30/94-10/01/96	2	7	
BUFF0072	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/08/90-11/04/96	6	53	
BUFF0077	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/22/90-11/04/96	6	45	
BUFF0083	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/13/78-04/07/97	19	257	
BUFF0086	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/06/92-10/21/96	4	26	
BUFF0088	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/06/92-10/21/96	4	59	
BUFF0100	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/22/90-11/04/96	6	47	
BUFF0102	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/18/90-06/03/96	5	25	
BUFF0108	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/14/94-07/31/95	1	5	
BUFF0116	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/30/90-09/09/96	6	39	
BUFF0118	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/03/92-09/09/96	4	23	
BUFF0122	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/30/90-09/09/96	6	38	
BUFF0127	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/14/94-03/13/95	1	4	
BUFF0136	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	10/17/77-11/23/87	10	6	
BUFF0140	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/23/90-08/19/96	6	39	
BUFF0145	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/22/90-11/04/96	6	50	
BUFF0149	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/18/90-08/19/96	6	39	
BUFF0151	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/26/90-08/19/96	6	46	
BUFF0153	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/22/90-11/04/96	6	50	
BUFF0156	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/20/93-09/27/93	0	2	
BUFF0163	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/20/93-09/27/93	0	2	
BUFF0169	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/07/90-05/13/96	6	26	
BUFF0186	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/22/90-11/04/96	6	51	
BUFF0190	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/23/90-11/04/96	6	40	
BUFF0218	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/26/90-05/13/96	6	45	
BUFF0229	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/26/90-11/04/96	6	29	
BUFF0231	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/22/90-11/04/96	6	51	
BUFF0007	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/85-12/09/96	11	57	
BUFF0008	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	11	76	
BUFF0009	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	11	58	
BUFF0013	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	11	58	
BUFF0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/31/87-05/18/95	7	6	
BUFF0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/71-07/19/71	0	4	
BUFF0021	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/18/85-09/27/89	4	17	
BUFF0029	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	11	84	
BUFF0031	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	11	84	
BUFF0034	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	11	104	
BUFF0038	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/45-10/05/88	42	14	
BUFF0046	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	11	103	
BUFF0050	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-10/08/96	11	76	
BUFF0053	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	11	130	
BUFF0064	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-05/06/96	11	58	
BUFF0065	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	11	107	
BUFF0068	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/13/83-06/10/86	2	24	
BUFF0069	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/13/83-06/10/86	2	24	
BUFF0070	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/31/87-10/05/88	1	3	
BUFF0071	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/30/94-10/01/96	2	6	
BUFF0072	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/87-11/04/96	9	64	
BUFF0074	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/93-07/23/93	0	1	
BUFF0075	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	11	98	
BUFF0078	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/95-06/14/95	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0080	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	50	349	
BUFF0083	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	18	225	
BUFF0084	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/71-07/22/71	0	4	
BUFF0086	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	11	76	
BUFF0088	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	11	106	
BUFF0099	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	11	98	
BUFF0102	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/10/96	11	73	
BUFF0108	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/94-07/31/95	0	4	
BUFF0110	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/17/94-08/24/94	0	2	
BUFF0116	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/85-12/02/96	11	80	
BUFF0118	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	11	72	
BUFF0122	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	11	79	
BUFF0127	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/94-03/13/95	0	3	
BUFF0131	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/93-07/22/93	0	1	
BUFF0134	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/86-04/09/86	0	1	
BUFF0136	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	13	47	
BUFF0139	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/86-04/09/86	0	1	
BUFF0140	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	11	81	
BUFF0145	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	11	101	
BUFF0149	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	11	82	
BUFF0150	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/71-07/20/71	0	2	
BUFF0151	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	11	86	
BUFF0153	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	11	109	
BUFF0155	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/07/71-07/20/71	0	3	
BUFF0160	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/82-10/06/88	6	5	
BUFF0161	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/87-10/06/88	1	3	
BUFF0163	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/85-09/27/87	2	5	
BUFF0169	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	11	75	
BUFF0170	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/94-05/15/95	0	3	
BUFF0180	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	11	106	
BUFF0187	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/25/89-05/23/89	0	34	
BUFF0190	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	11	77	
BUFF0218	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/85-11/04/96	11	83	
BUFF0225	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/93-08/22/96	3	33	
BUFF0229	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/85-11/04/96	11	51	
BUFF0230	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/25/89-05/23/89	0	28	
BUFF0231	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	11	99	
BUFF0232	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/86-04/16/86	0	1	
BUFF0233	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/86-04/16/86	0	1	
BUFF0016	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/17/94-05/18/95	1	3	
BUFF0017	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/71-07/19/71	0	4	
BUFF0029	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/19/90-02/26/91	0	5	
BUFF0031	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/24/90-02/26/91	0	7	
BUFF0034	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/26/91	1	9	
BUFF0046	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/26/91	1	9	
BUFF0053	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/91-02/26/91	0	1	
BUFF0068	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/13/83-09/24/85	1	16	
BUFF0069	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/13/83-06/10/86	2	24	
BUFF0072	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/08/90-09/25/90	0	2	
BUFF0075	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	1	3	
BUFF0080	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	22	170	
BUFF0083	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	18	215	
BUFF0084	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/19/71-07/22/71	0	4	
BUFF0099	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/17/94-05/16/95	0	2	
BUFF0100	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	1	6	
BUFF0102	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/90-02/25/91	0	3	
BUFF0108	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/95-07/31/95	0	2	
BUFF0110	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/17/94-05/17/94	0	1	
BUFF0116	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/90-06/06/94	3	4	
BUFF0118	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/14/94-06/06/94	0	2	
BUFF0122	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/90-06/06/94	3	4	
BUFF0127	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/95-03/13/95	0	1	
BUFF0131	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/93-07/22/93	0	1	
BUFF0136	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	13	47	
BUFF0140	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-06/06/94	4	6	
BUFF0145	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	1	8	
BUFF0149	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/90-06/06/94	3	5	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0150	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/08/71-07/20/71	0	2	
BUFF0151	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-06/06/94	4	6	
BUFF0153	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	1	7	
BUFF0155	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/07/71-07/20/71	0	3	
BUFF0169	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/90-06/06/94	4	4	
BUFF0170	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/16/94-05/15/95	0	2	
BUFF0180	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/16/94-05/15/95	0	2	
BUFF0186	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	1	9	
BUFF0190	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-02/25/91	0	4	
BUFF0218	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-02/25/91	0	4	
BUFF0225	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/10/94-08/22/96	2	21	
BUFF0229	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-02/25/91	0	4	
BUFF0231	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	1	8	
BUFF0083	Yes	00023	SAMPLE WEIGHT IN POUNDS	10/17/78-10/08/81	2	35	
BUFF0136	Yes	00023	SAMPLE WEIGHT IN POUNDS	05/23/84-05/23/84	0	6	
BUFF0083	Yes	00024	SAMPLE LENGTH IN INCHES	10/17/78-10/08/81	2	35	
BUFF0136	Yes	00024	SAMPLE LENGTH IN INCHES	05/23/84-05/23/84	0	6	
BUFF0016	No	00025	BAROMETRIC PRESSURE (MM OF HG)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	10/25/82-10/25/82	0	1	
BUFF0080	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	05/06/93-08/21/96	3	35	
BUFF0099	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	05/17/94-05/16/95	0	3	
BUFF0110	No	00025	BAROMETRIC PRESSURE (MM OF HG)	05/17/94-08/24/94	0	2	
BUFF0170	No	00025	BAROMETRIC PRESSURE (MM OF HG)	05/16/94-05/15/95	0	3	
BUFF0180	No	00025	BAROMETRIC PRESSURE (MM OF HG)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	04/28/93-08/22/96	3	34	
BUFF0016	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/31/87-05/18/95	7	6	
BUFF0038	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/31/87-10/05/88	1	3	
BUFF0046	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/04/79-10/25/82	2	8	
BUFF0068	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/13/83-06/10/86	2	24	
BUFF0070	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/31/87-10/05/88	1	3	
BUFF0074	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/23/93-07/23/93	0	2	
BUFF0078	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/20/75-08/21/96	20	304	
BUFF0099	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/17/94-05/16/95	0	3	
BUFF0110	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/19/92-08/24/94	2	3	
BUFF0131	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/22/93-07/22/93	0	2	
BUFF0160	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/19/82-10/06/88	6	5	
BUFF0161	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/01/87-10/06/88	1	3	
BUFF0170	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/16/94-05/15/95	0	3	
BUFF0180	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	04/28/93-08/22/96	3	37	
BUFF0016	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/31/87-05/18/95	7	6	
BUFF0038	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/31/87-10/05/88	1	3	
BUFF0046	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/04/79-10/25/82	2	8	
BUFF0068	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/13/83-06/10/86	2	24	
BUFF0070	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/31/87-10/05/88	1	3	
BUFF0074	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/23/93-07/23/93	0	2	
BUFF0078	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/20/75-08/21/96	20	289	
BUFF0099	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/17/94-05/16/95	0	3	
BUFF0110	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/19/92-08/24/94	2	3	
BUFF0131	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/22/93-07/22/93	0	2	
BUFF0160	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/19/82-10/06/88	6	5	
BUFF0161	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/01/87-10/06/88	1	3	
BUFF0170	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/16/94-05/15/95	0	3	
BUFF0180	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	04/28/93-08/22/96	3	37	
BUFF0112	No	00045	PRECIPITATION, TOTAL (INCHES PER DAY)	04/23/79-05/04/79	0	6	
BUFF0113	No	00045	PRECIPITATION, TOTAL (INCHES PER DAY)	04/24/79-05/05/79	0	6	
BUFF0114	No	00045	PRECIPITATION, TOTAL (INCHES PER DAY)	05/22/79-06/02/79	0	6	
BUFF0115	No	00045	PRECIPITATION, TOTAL (INCHES PER DAY)	05/21/79-06/01/79	0	6	
BUFF0123	No	00045	PRECIPITATION, TOTAL (INCHES PER DAY)	05/08/79-05/19/79	0	6	
BUFF0124	No	00045	PRECIPITATION, TOTAL (INCHES PER DAY)	05/07/79-05/18/79	0	6	
BUFF0074	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/23/93-07/23/93	0	1	
BUFF0131	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/22/93-07/22/93	0	1	
BUFF0007	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	12/12/91-12/04/95	3	16	
BUFF0008	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	03/02/92-12/04/95	3	16	
BUFF0009	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	12/12/91-12/04/95	3	17	
BUFF0013	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	12/12/91-12/04/95	3	17	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0016	No	00060	FLOW, STREAM, MEAN DAILY CFS	08/12/63-05/18/95	31	5	
BUFF0029	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/07/92-11/28/95	3	21	
BUFF0031	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/07/92-11/28/95	3	20	
BUFF0034	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/28/95	3	21	
BUFF0038	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/15/45-08/13/63	17	59	
BUFF0046	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/28/95	3	21	
BUFF0051	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/07/92-10/31/95	3	21	
BUFF0062	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/07/92-11/27/95	3	20	
BUFF0064	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/01/90-10/30/95	4	23	
BUFF0065	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/01/90-10/30/95	4	22	
BUFF0070	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/17/64-11/17/64	0	1	
BUFF0072	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	05/19/91-11/27/95	4	22	
BUFF0077	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	03/19/91-11/27/95	4	23	
BUFF0080	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	07/23/45-01/23/90	44	114	S
BUFF0083	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/16/79-01/23/90	11	2	
BUFF0086	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/08/90-10/30/95	4	22	
BUFF0088	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/06/92-10/30/95	3	21	
BUFF0099	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	05/17/94-08/23/94	0	2	
BUFF0100	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	3	21	
BUFF0102	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/08/90-11/27/95	5	18	
BUFF0110	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/17/94-05/17/94	0	1	
BUFF0116	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/16/90-11/13/95	4	22	
BUFF0118	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/16/90-09/25/95	4	22	
BUFF0122	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/13/95	3	21	
BUFF0136	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	04/10/74-09/26/74	0	6	
BUFF0140	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	07/22/91-11/13/95	4	22	
BUFF0145	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	3	21	
BUFF0149	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/13/95	3	21	
BUFF0151	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/13/95	3	21	
BUFF0153	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	3	21	
BUFF0160	No	00060	FLOW, STREAM, MEAN DAILY CFS	08/14/63-08/14/63	0	1	
BUFF0161	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/18/64-11/18/64	0	1	
BUFF0169	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	12/26/91-11/13/95	3	21	
BUFF0170	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/16/94-05/15/95	0	2	
BUFF0180	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	3	21	
BUFF0190	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/27/95	3	19	
BUFF0218	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/27/95	3	20	
BUFF0229	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-05/15/95	3	13	
BUFF0231	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	3	21	
BUFF0007	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/93-12/09/96	3	8	
BUFF0008	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/93-12/09/96	3	9	
BUFF0009	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/93-12/09/96	3	8	
BUFF0013	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/14/93-12/09/96	3	8	
BUFF0016	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/31/87-05/18/95	7	4	
BUFF0029	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/05/96	3	10	
BUFF0031	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/05/96	3	10	
BUFF0034	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/05/96	3	10	
BUFF0038	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/31/87-10/05/88	1	3	
BUFF0046	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/05/96	3	10	
BUFF0051	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-10/08/96	3	10	
BUFF0062	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-12/10/96	3	55	
BUFF0064	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/27/93-05/06/96	3	8	
BUFF0065	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/08/93-10/21/96	3	44	
BUFF0070	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/31/87-10/05/88	1	3	
BUFF0072	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/04/96	3	13	
BUFF0077	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/04/96	3	10	
BUFF0080	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	21	305	
BUFF0083	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	17	226	
BUFF0086	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-10/21/96	3	10	
BUFF0088	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-10/21/96	3	44	
BUFF0099	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	3	10	
BUFF0102	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/08/93-12/10/96	3	9	
BUFF0110	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/17/94-08/24/94	0	2	
BUFF0112	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/23/79-06/15/79	0	10	
BUFF0113	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/24/79-06/15/79	0	22	
BUFF0114	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/04/79-06/15/79	0	10	
BUFF0115	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/04/79-06/15/79	0	22	
BUFF0116	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	3	10	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0118	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/08/93-12/02/96	3	10	
BUFF0122	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	3	10	
BUFF0123	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/04/79-06/15/79	0	22	
BUFF0124	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/04/79-06/15/79	0	10	
BUFF0136	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/15/75-02/13/78	3	31	
BUFF0140	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	3	10	
BUFF0145	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	3	10	
BUFF0149	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-07/17/96	3	9	
BUFF0151	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	3	10	
BUFF0153	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	3	10	
BUFF0160	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-10/06/88	1	3	
BUFF0161	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/01/87-10/06/88	1	3	
BUFF0169	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	3	9	
BUFF0170	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/16/94-05/15/95	0	3	
BUFF0180	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	3	10	
BUFF0187	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/25/89-05/23/89	0	34	
BUFF0190	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	3	10	
BUFF0218	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	3	8	
BUFF0225	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/28/93-08/22/96	3	33	
BUFF0229	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	3	8	
BUFF0230	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/25/89-05/23/89	0	28	
BUFF0231	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	3	10	
BUFF0134	No	00064	DEPTH OF STREAM, MEAN (FT)	04/09/86-04/09/86	0	1	
BUFF0139	No	00064	DEPTH OF STREAM, MEAN (FT)	04/09/86-04/09/86	0	1	
BUFF0232	No	00064	DEPTH OF STREAM, MEAN (FT)	04/16/86-04/16/86	0	1	
BUFF0233	No	00064	DEPTH OF STREAM, MEAN (FT)	04/16/86-04/16/86	0	1	
BUFF0007	Yes	00065	STAGE, STREAM (FEET)	12/12/91-10/07/96	4	16	
BUFF0008	Yes	00065	STAGE, STREAM (FEET)	05/19/85-12/09/96	11	60	
BUFF0009	Yes	00065	STAGE, STREAM (FEET)	12/12/91-10/07/96	4	11	
BUFF0013	Yes	00065	STAGE, STREAM (FEET)	05/19/85-09/27/87	2	6	
BUFF0016	No	00065	STAGE, STREAM (FEET)	05/18/95-05/18/95	0	1	
BUFF0021	Yes	00065	STAGE, STREAM (FEET)	07/27/89-08/16/89	0	2	
BUFF0029	Yes	00065	STAGE, STREAM (FEET)	04/12/85-01/24/95	9	50	
BUFF0031	Yes	00065	STAGE, STREAM (FEET)	04/12/85-09/01/92	7	25	
BUFF0034	Yes	00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	11	85	
BUFF0049	Yes	00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	11	96	
BUFF0051	Yes	00065	STAGE, STREAM (FEET)	04/12/85-04/07/92	6	12	
BUFF0062	Yes	00065	STAGE, STREAM (FEET)	04/12/85-05/08/95	10	65	
BUFF0064	Yes	00065	STAGE, STREAM (FEET)	04/10/85-05/16/94	9	21	
BUFF0065	Yes	00065	STAGE, STREAM (FEET)	04/10/85-12/18/95	10	48	
BUFF0069	No	00065	STAGE, STREAM (FEET)	12/13/83-06/10/86	2	22	
BUFF0072	Yes	00065	STAGE, STREAM (FEET)	01/06/92-04/29/94	2	7	
BUFF0077	Yes	00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	11	83	
BUFF0080	Yes	00065	STAGE, STREAM (FEET)	05/06/93-08/21/96	3	36	
BUFF0083	Yes	00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	16	129	
BUFF0086	Yes	00065	STAGE, STREAM (FEET)	04/22/85-11/02/92	7	33	
BUFF0088	Yes	00065	STAGE, STREAM (FEET)	04/22/85-12/18/95	10	51	
BUFF0100	Yes	00065	STAGE, STREAM (FEET)	04/10/85-07/22/96	11	77	
BUFF0102	Yes	00065	STAGE, STREAM (FEET)	04/22/85-01/22/96	10	45	
BUFF0116	Yes	00065	STAGE, STREAM (FEET)	07/08/86-02/26/96	9	23	
BUFF0118	Yes	00065	STAGE, STREAM (FEET)	04/22/85-02/27/95	9	32	
BUFF0122	Yes	00065	STAGE, STREAM (FEET)	04/10/85-11/13/95	10	35	
BUFF0136	Yes	00065	STAGE, STREAM (FEET)	02/13/78-11/23/87	9	2	
BUFF0140	Yes	00065	STAGE, STREAM (FEET)	04/23/85-04/17/95	9	32	
BUFF0145	Yes	00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	11	79	
BUFF0149	Yes	00065	STAGE, STREAM (FEET)	04/29/85-06/03/96	11	53	
BUFF0151	Yes	00065	STAGE, STREAM (FEET)	04/08/85-12/02/96	11	52	
BUFF0153	Yes	00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	11	96	
BUFF0169	Yes	00065	STAGE, STREAM (FEET)	04/23/85-12/02/96	11	66	
BUFF0180	No	00065	STAGE, STREAM (FEET)	05/15/95-05/15/95	0	1	
BUFF0186	Yes	00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	11	92	
BUFF0190	Yes	00065	STAGE, STREAM (FEET)	04/08/85-11/14/94	9	37	
BUFF0218	Yes	00065	STAGE, STREAM (FEET)	12/06/93-10/17/94	0	3	
BUFF0225	Yes	00065	STAGE, STREAM (FEET)	04/28/93-08/22/96	3	33	
BUFF0229	Yes	00065	STAGE, STREAM (FEET)	04/23/85-12/06/93	8	14	
BUFF0231	Yes	00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	11	61	
BUFF0017	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/71-07/19/71	0	4	
BUFF0053	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/71-07/19/71	0	4	
BUFF0075	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/10/74-09/21/76	2	28	
BUFF0084	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/19/71-07/22/71	0	4	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0136	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/10/74-03/21/77	2	37	
BUFF0150	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/08/71-07/20/71	0	3	
BUFF0155	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/07/71-07/20/71	0	4	
BUFF0007	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	8	39	
BUFF0008	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-12/09/96	8	46	
BUFF0009	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	8	40	
BUFF0013	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	8	40	
BUFF0021	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-09/27/89	1	9	
BUFF0029	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	8	51	
BUFF0031	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	8	51	
BUFF0034	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	8	57	
BUFF0049	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	8	59	
BUFF0051	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/08/96	8	50	
BUFF0062	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	8	102	
BUFF0064	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-05/06/96	11	39	
BUFF0065	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	11	84	
BUFF0068	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/13/83-06/10/86	2	22	
BUFF0072	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-11/04/96	8	61	
BUFF0077	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	8	58	
BUFF0078	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	9	109	
BUFF0083	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/04/94-11/05/94	0	12	
BUFF0086	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/21/96	8	49	
BUFF0088	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	11	83	
BUFF0100	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	8	58	
BUFF0102	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/10/96	8	45	
BUFF0112	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/23/79-06/15/79	0	10	
BUFF0113	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/24/79-06/15/79	0	22	
BUFF0114	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/79-06/15/79	0	10	
BUFF0115	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/79-06/15/79	0	22	
BUFF0116	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-12/02/96	8	50	
BUFF0118	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	8	48	
BUFF0122	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	8	51	
BUFF0123	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/79-06/15/79	0	21	
BUFF0124	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/79-06/15/79	0	9	
BUFF0140	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	8	52	
BUFF0145	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	8	60	
BUFF0149	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	11	52	
BUFF0151	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	11	57	
BUFF0153	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	8	64	
BUFF0160	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/19/82-05/19/82	0	1	
BUFF0169	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/88-12/02/96	8	45	
BUFF0186	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	11	63	
BUFF0187	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/25/89-05/23/89	0	34	
BUFF0190	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	11	49	
BUFF0218	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/05/85-11/04/96	11	47	
BUFF0229	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/25/88-11/04/96	8	29	
BUFF0230	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/25/89-05/23/89	0	28	
BUFF0231	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	11	58	
BUFF0016	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/12/63-11/17/64	1	2	
BUFF0038	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/13/63	13	42	
BUFF0053	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	07/13/71-07/19/71	0	4	
BUFF0070	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/17/64-11/17/64	0	1	
BUFF0075	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	30	152	T,S
BUFF0083	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	03/13/78-08/19/80	2	29	
BUFF0084	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	07/19/71-07/22/71	0	4	
BUFF0134	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/09/86-04/09/86	0	1	
BUFF0136	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	04/10/74-02/13/78	3	47	
BUFF0139	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/09/86-04/09/86	0	1	
BUFF0155	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	07/07/71-07/20/71	0	4	
BUFF0160	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/14/63-05/19/82	18	2	
BUFF0161	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/18/64-11/18/64	0	1	
BUFF0232	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/16/86-04/16/86	0	1	
BUFF0233	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/16/86-04/16/86	0	1	
BUFF0187	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/25/89-05/23/89	0	34	
BUFF0230	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/25/89-05/23/89	0	27	
BUFF0007	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/85-12/09/96	11	54	
BUFF0008	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	11	74	
BUFF0009	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	11	57	
BUFF0013	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	11	57	
BUFF0016	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	08/12/63-05/18/95	31	8	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/71-07/19/71	0	4	
BUFF0021	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/18/85-09/27/89	4	16	
BUFF0029	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	11	77	
BUFF0031	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	11	76	
BUFF0034	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	11	92	
BUFF0038	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/45-10/05/88	42	62	S
BUFF0046	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	11	95	
BUFF0050	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-10/08/96	11	75	
BUFF0053	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	11	129	
BUFF0064	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-05/06/96	11	57	
BUFF0065	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	11	106	
BUFF0070	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/17/64-10/05/88	23	4	
BUFF0072	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/87-11/04/96	9	63	
BUFF0074	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/93-07/23/93	0	1	
BUFF0075	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	11	94	
BUFF0078	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	51	259	T,A,S
BUFF0083	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	16	104	T,A
BUFF0084	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-07/22/71	0	4	
BUFF0086	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	11	75	
BUFF0088	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	11	106	
BUFF0099	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	11	94	
BUFF0102	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/10/96	11	72	
BUFF0110	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/17/94-08/24/94	0	2	
BUFF0116	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/85-12/02/96	11	78	
BUFF0118	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	11	73	
BUFF0122	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	11	79	
BUFF0131	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/93-07/22/93	0	1	
BUFF0134	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/09/86-04/09/86	0	1	
BUFF0136	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/74-02/13/78	3	47	
BUFF0139	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/09/86-04/09/86	0	1	
BUFF0140	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	11	79	
BUFF0145	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	11	96	
BUFF0149	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	11	79	
BUFF0150	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/71-07/20/71	0	3	
BUFF0151	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	11	84	
BUFF0153	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	11	100	
BUFF0155	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/07/71-07/20/71	0	4	
BUFF0160	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/63-10/06/88	25	6	
BUFF0161	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/18/64-10/06/88	23	4	
BUFF0163	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/85-09/27/87	2	5	
BUFF0169	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	11	72	
BUFF0170	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/94-05/15/95	0	3	
BUFF0180	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	11	99	
BUFF0190	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	11	75	
BUFF0218	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/85-11/04/96	11	82	
BUFF0225	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/93-08/22/96	3	34	
BUFF0229	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/85-11/04/96	11	47	
BUFF0231	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	11	95	
BUFF0232	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/86-04/16/86	0	1	
BUFF0233	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/86-04/16/86	0	1	
BUFF0134	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/86-04/09/86	0	1	
BUFF0139	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/86-04/09/86	0	1	
BUFF0232	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/16/86-04/16/86	0	1	
BUFF0233	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/16/86-04/16/86	0	1	
BUFF0007	Yes	00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	8	46	
BUFF0008	Yes	00300	OXYGEN, DISSOLVED MG/L	07/23/85-12/09/96	11	63	
BUFF0009	Yes	00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	8	46	
BUFF0013	Yes	00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	8	46	
BUFF0016	No	00300	OXYGEN, DISSOLVED MG/L	05/17/94-05/18/95	1	3	
BUFF0017	No	00300	OXYGEN, DISSOLVED MG/L	07/13/71-07/19/71	0	4	
BUFF0021	Yes	00300	OXYGEN, DISSOLVED MG/L	07/27/88-09/27/89	1	7	
BUFF0029	Yes	00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	11	63	
BUFF0031	Yes	00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	11	65	
BUFF0034	Yes	00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	11	88	
BUFF0046	Yes	00300	OXYGEN, DISSOLVED MG/L	05/25/94-05/17/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0049	Yes	00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	11	87	
BUFF0050	Yes	00300	OXYGEN, DISSOLVED MG/L	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00300	OXYGEN, DISSOLVED MG/L	04/25/85-10/08/96	11	60	
BUFF0053	Yes	00300	OXYGEN, DISSOLVED MG/L	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	11	104	
BUFF0064	Yes	00300	OXYGEN, DISSOLVED MG/L	04/22/85-05/06/96	11	51	
BUFF0065	Yes	00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	11	86	
BUFF0068	No	00300	OXYGEN, DISSOLVED MG/L	12/13/83-06/10/86	2	21	
BUFF0069	No	00300	OXYGEN, DISSOLVED MG/L	12/13/83-06/10/86	2	21	
BUFF0071	No	00300	OXYGEN, DISSOLVED MG/L	05/30/94-10/01/96	2	6	
BUFF0072	Yes	00300	OXYGEN, DISSOLVED MG/L	09/04/88-11/04/96	8	58	
BUFF0074	Yes	00300	OXYGEN, DISSOLVED MG/L	07/23/93-07/23/93	0	1	
BUFF0075	No	00300	OXYGEN, DISSOLVED MG/L	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00300	OXYGEN, DISSOLVED MG/L	04/24/85-11/04/96	11	84	
BUFF0080	Yes	00300	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	22	264	T,A,S
BUFF0083	Yes	00300	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	18	204	T,A
BUFF0084	Yes	00300	OXYGEN, DISSOLVED MG/L	07/19/71-07/22/71	0	4	
BUFF0086	Yes	00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	11	58	
BUFF0088	Yes	00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	11	86	
BUFF0099	Yes	00300	OXYGEN, DISSOLVED MG/L	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00300	OXYGEN, DISSOLVED MG/L	04/22/85-11/04/96	11	83	
BUFF0102	Yes	00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/10/96	11	53	
BUFF0108	No	00300	OXYGEN, DISSOLVED MG/L	03/13/95-03/13/95	0	1	
BUFF0110	No	00300	OXYGEN, DISSOLVED MG/L	05/17/94-08/24/94	0	2	
BUFF0116	Yes	00300	OXYGEN, DISSOLVED MG/L	08/12/87-12/02/96	9	62	
BUFF0118	Yes	00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	11	57	
BUFF0122	Yes	00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	11	63	
BUFF0127	No	00300	OXYGEN, DISSOLVED MG/L	03/13/95-03/13/95	0	1	
BUFF0131	No	00300	OXYGEN, DISSOLVED MG/L	07/22/93-07/22/93	0	1	
BUFF0136	Yes	00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	13	48	
BUFF0140	Yes	00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	11	63	
BUFF0145	Yes	00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	11	84	
BUFF0149	Yes	00300	OXYGEN, DISSOLVED MG/L	08/18/88-12/02/96	8	62	
BUFF0150	No	00300	OXYGEN, DISSOLVED MG/L	07/08/71-07/20/71	0	3	
BUFF0151	Yes	00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	11	68	
BUFF0153	Yes	00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	11	89	
BUFF0155	Yes	00300	OXYGEN, DISSOLVED MG/L	07/07/71-07/20/71	0	4	
BUFF0160	No	00300	OXYGEN, DISSOLVED MG/L	05/19/82-05/19/82	0	2	
BUFF0169	Yes	00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	11	59	
BUFF0170	No	00300	OXYGEN, DISSOLVED MG/L	05/16/94-05/15/95	0	3	
BUFF0180	No	00300	OXYGEN, DISSOLVED MG/L	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	11	83	
BUFF0187	Yes	00300	OXYGEN, DISSOLVED MG/L	01/25/89-05/23/89	0	34	
BUFF0190	Yes	00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	11	59	
BUFF0218	Yes	00300	OXYGEN, DISSOLVED MG/L	07/09/85-11/04/96	11	54	
BUFF0225	Yes	00300	OXYGEN, DISSOLVED MG/L	04/28/93-08/22/96	3	34	
BUFF0229	Yes	00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	11	41	
BUFF0230	Yes	00300	OXYGEN, DISSOLVED MG/L	01/25/89-05/23/89	0	28	
BUFF0231	Yes	00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	11	81	
BUFF0050	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	12/04/79-10/25/82	2	8	
BUFF0069	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	12/13/83-06/10/86	2	19	
BUFF0080	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	8	106	
BUFF0083	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	12	139	A
BUFF0136	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-02/13/78	3	46	
BUFF0017	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/13/71-07/19/71	0	4	
BUFF0050	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	12/04/79-10/25/82	2	7	
BUFF0053	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/13/71-07/19/71	0	4	
BUFF0068	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/13/83-06/10/86	2	22	
BUFF0069	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/13/83-06/10/86	2	22	
BUFF0071	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/30/94-01/09/95	0	2	
BUFF0075	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	20	233	T,A,S
BUFF0083	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	18	213	T,A
BUFF0084	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/19/71-07/22/71	0	4	
BUFF0136	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	13	48	
BUFF0150	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/08/71-07/20/71	0	3	
BUFF0155	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/07/71-07/20/71	0	4	
BUFF0186	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	02/26/90-02/26/90	0	1	
BUFF0068	No	00335	COD, .025N K2CR2O7 MG/L	05/07/85-05/07/85	0	1	
BUFF0069	No	00335	COD, .025N K2CR2O7 MG/L	05/07/85-05/07/85	0	1	
BUFF0080	Yes	00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	7	86	
BUFF0083	Yes	00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	8	92	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0136	Yes	00335	COD, .025N K2CR2O7 MG/L	11/14/77-02/13/78	0	4	
BUFF0080	Yes	00340	COD, .25N K2CR2O7 MG/L	04/10/74-03/31/75	0	4	
BUFF0136	Yes	00340	COD, .25N K2CR2O7 MG/L	07/20/76-07/20/76	0	1	
BUFF0007	Yes	00400	PH (STANDARD UNITS)	06/24/87-12/09/96	9	52	
BUFF0008	Yes	00400	PH (STANDARD UNITS)	12/22/86-10/07/96	9	63	
BUFF0009	Yes	00400	PH (STANDARD UNITS)	06/24/87-12/09/96	9	52	
BUFF0013	Yes	00400	PH (STANDARD UNITS)	06/24/86-12/09/96	10	53	
BUFF0016	No	00400	PH (STANDARD UNITS)	08/12/63-05/18/95	31	5	
BUFF0017	No	00400	PH (STANDARD UNITS)	07/13/71-07/19/71	0	4	
BUFF0021	Yes	00400	PH (STANDARD UNITS)	06/23/87-09/27/89	2	12	
BUFF0029	Yes	00400	PH (STANDARD UNITS)	06/17/87-11/05/96	9	66	
BUFF0031	Yes	00400	PH (STANDARD UNITS)	06/17/87-11/05/96	9	68	
BUFF0034	Yes	00400	PH (STANDARD UNITS)	12/22/86-11/05/96	9	78	
BUFF0038	Yes	00400	PH (STANDARD UNITS)	10/18/49-08/13/63	13	51	
BUFF0046	Yes	00400	PH (STANDARD UNITS)	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00400	PH (STANDARD UNITS)	12/22/86-11/05/96	9	77	
BUFF0050	Yes	00400	PH (STANDARD UNITS)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00400	PH (STANDARD UNITS)	06/17/87-10/08/96	9	62	
BUFF0053	Yes	00400	PH (STANDARD UNITS)	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00400	PH (STANDARD UNITS)	06/16/87-12/10/96	9	106	
BUFF0064	Yes	00400	PH (STANDARD UNITS)	06/23/87-05/06/96	8	51	
BUFF0065	Yes	00400	PH (STANDARD UNITS)	06/17/87-10/21/96	9	92	
BUFF0068	No	00400	PH (STANDARD UNITS)	12/13/83-06/10/86	2	22	
BUFF0069	No	00400	PH (STANDARD UNITS)	12/13/83-06/10/86	2	22	
BUFF0070	No	00400	PH (STANDARD UNITS)	11/17/64-11/17/64	0	1	
BUFF0071	No	00400	PH (STANDARD UNITS)	05/30/94-10/01/96	2	6	
BUFF0072	Yes	00400	PH (STANDARD UNITS)	06/16/87-11/04/96	9	75	
BUFF0074	Yes	00400	PH (STANDARD UNITS)	07/23/93-07/23/93	0	1	
BUFF0075	No	00400	PH (STANDARD UNITS)	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	76	
BUFF0078	No	00400	PH (STANDARD UNITS)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00400	PH (STANDARD UNITS)	07/23/45-08/21/96	51	364	T,A,S
BUFF0083	Yes	00400	PH (STANDARD UNITS)	03/13/78-10/29/96	18	212	T,A
BUFF0084	Yes	00400	PH (STANDARD UNITS)	07/19/71-07/22/71	0	4	
BUFF0086	Yes	00400	PH (STANDARD UNITS)	06/22/87-10/21/96	9	61	
BUFF0088	Yes	00400	PH (STANDARD UNITS)	06/18/87-10/21/96	9	91	
BUFF0099	Yes	00400	PH (STANDARD UNITS)	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	76	
BUFF0102	Yes	00400	PH (STANDARD UNITS)	06/18/87-12/10/96	9	56	
BUFF0108	No	00400	PH (STANDARD UNITS)	10/17/94-07/31/95	0	3	
BUFF0110	No	00400	PH (STANDARD UNITS)	05/17/94-08/24/94	0	2	
BUFF0116	Yes	00400	PH (STANDARD UNITS)	06/15/87-12/02/96	9	67	
BUFF0118	Yes	00400	PH (STANDARD UNITS)	06/22/87-12/02/96	9	58	
BUFF0122	Yes	00400	PH (STANDARD UNITS)	07/14/87-12/02/96	9	63	
BUFF0127	No	00400	PH (STANDARD UNITS)	10/17/94-03/13/95	0	2	
BUFF0131	No	00400	PH (STANDARD UNITS)	07/22/93-07/22/93	0	1	
BUFF0136	Yes	00400	PH (STANDARD UNITS)	04/10/74-11/23/87	13	47	
BUFF0140	Yes	00400	PH (STANDARD UNITS)	07/13/87-12/02/96	9	65	
BUFF0145	Yes	00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	75	
BUFF0149	Yes	00400	PH (STANDARD UNITS)	06/16/87-12/02/96	9	66	
BUFF0150	No	00400	PH (STANDARD UNITS)	07/08/71-07/20/71	0	3	
BUFF0151	Yes	00400	PH (STANDARD UNITS)	06/16/87-12/02/96	9	69	
BUFF0153	Yes	00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	82	
BUFF0155	Yes	00400	PH (STANDARD UNITS)	07/07/71-07/20/71	0	4	
BUFF0160	No	00400	PH (STANDARD UNITS)	08/14/63-05/19/82	18	3	
BUFF0161	No	00400	PH (STANDARD UNITS)	11/18/64-11/18/64	0	1	
BUFF0163	No	00400	PH (STANDARD UNITS)	06/24/87-09/27/87	0	4	
BUFF0169	Yes	00400	PH (STANDARD UNITS)	06/15/87-12/02/96	9	59	
BUFF0170	No	00400	PH (STANDARD UNITS)	05/16/94-05/15/95	0	3	
BUFF0180	No	00400	PH (STANDARD UNITS)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00400	PH (STANDARD UNITS)	06/11/87-11/04/96	9	80	
BUFF0190	Yes	00400	PH (STANDARD UNITS)	02/03/88-11/04/96	8	58	
BUFF0218	Yes	00400	PH (STANDARD UNITS)	06/11/87-11/04/96	9	63	
BUFF0225	Yes	00400	PH (STANDARD UNITS)	04/28/93-08/22/96	3	34	
BUFF0229	Yes	00400	PH (STANDARD UNITS)	06/11/87-11/04/96	9	42	
BUFF0231	Yes	00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	74	
BUFF0016	No	00403	PH, LAB, STANDARD UNITS SU	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00403	PH, LAB, STANDARD UNITS SU	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00403	PH, LAB, STANDARD UNITS SU	04/21/81-10/25/82	1	4	
BUFF0074	Yes	00403	PH, LAB, STANDARD UNITS SU	07/23/93-07/23/93	0	1	
BUFF0078	No	00403	PH, LAB, STANDARD UNITS SU	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00403	PH, LAB, STANDARD UNITS SU	05/06/93-08/21/96	3	36	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0099	Yes	00403	PH, LAB, STANDARD UNITS SU	05/17/94-05/16/95	0	3	
BUFF0110	No	00403	PH, LAB, STANDARD UNITS SU	05/17/94-08/24/94	0	2	
BUFF0131	No	00403	PH, LAB, STANDARD UNITS SU	07/22/93-07/22/93	0	1	
BUFF0134	No	00403	PH, LAB, STANDARD UNITS SU	04/09/86-04/09/86	0	1	
BUFF0139	No	00403	PH, LAB, STANDARD UNITS SU	04/09/86-04/09/86	0	1	
BUFF0160	No	00403	PH, LAB, STANDARD UNITS SU	05/19/82-05/19/82	0	1	
BUFF0170	No	00403	PH, LAB, STANDARD UNITS SU	05/16/94-05/15/95	0	3	
BUFF0180	No	00403	PH, LAB, STANDARD UNITS SU	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00403	PH, LAB, STANDARD UNITS SU	04/28/93-08/22/96	3	34	
BUFF0232	No	00403	PH, LAB, STANDARD UNITS SU	04/16/86-04/16/86	0	1	
BUFF0233	No	00403	PH, LAB, STANDARD UNITS SU	04/16/86-04/16/86	0	1	
BUFF0050	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	04/29/80-04/29/80	0	1	
BUFF0080	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	04/10/74-03/21/77	2	11	
BUFF0187	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/25/89-05/23/89	0	34	
BUFF0230	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/25/89-05/23/89	0	28	
BUFF0134	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/09/86-04/09/86	0	1	
BUFF0139	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/09/86-04/09/86	0	1	
BUFF0232	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/16/86-04/16/86	0	1	
BUFF0233	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/16/86-04/16/86	0	1	
BUFF0007	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/90-06/14/93	3	2	
BUFF0008	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
BUFF0009	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
BUFF0016	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/63-08/12/63	0	1	
BUFF0017	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/71-07/19/71	0	4	
BUFF0029	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/93-12/07/93	0	3	
BUFF0031	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/93-12/07/93	0	3	
BUFF0034	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/07/93	5	5	
BUFF0038	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/15/45-08/13/63	17	59	
BUFF0049	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/07/93	5	5	
BUFF0050	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/04/79-08/26/80	0	4	
BUFF0051	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/93-12/07/93	0	4	
BUFF0053	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/93-10/19/93	0	3	
BUFF0064	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/10/93-12/13/93	0	4	
BUFF0065	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/10/93-10/19/93	0	4	
BUFF0072	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-12/06/93	0	3	
BUFF0075	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	5	
BUFF0078	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/45-07/22/80	34	129	T,S
BUFF0083	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/10/78-07/22/80	2	10	
BUFF0084	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/71-07/22/71	0	4	
BUFF0086	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/10/93-12/13/93	0	4	
BUFF0088	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/04/90-12/13/93	3	4	
BUFF0100	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	5	
BUFF0102	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/93-12/06/93	0	4	
BUFF0116	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/87-11/08/93	6	7	
BUFF0118	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/93-11/08/93	0	4	
BUFF0122	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/93-11/08/93	0	4	
BUFF0136	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/77-01/24/78	0	4	
BUFF0140	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/93-11/08/93	0	4	
BUFF0145	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	5	
BUFF0149	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/93-11/08/93	0	4	
BUFF0150	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/08/71-07/20/71	0	3	
BUFF0151	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/93-11/08/93	0	4	
BUFF0153	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	5	
BUFF0155	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/07/71-07/20/71	0	4	
BUFF0160	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/63-08/14/63	0	1	
BUFF0169	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/85-11/08/93	8	6	
BUFF0186	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	5	
BUFF0187	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/89-05/22/89	0	7	
BUFF0190	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/03/88-12/06/93	5	5	
BUFF0218	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/93-12/06/93	0	3	
BUFF0229	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/93-12/06/93	0	3	
BUFF0230	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/89-05/22/89	0	5	
BUFF0231	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	4	
BUFF0016	No	00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/25/94-05/17/95	0	3	
BUFF0080	Yes	00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/17/94-05/16/95	0	3	
BUFF0110	No	00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/17/94-08/24/94	0	2	
BUFF0170	No	00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/16/94-05/15/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0180	No	00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	04/28/93-08/22/96	3	34	
BUFF0074	Yes	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	07/23/93-07/23/93	0	1	
BUFF0131	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	07/22/93-07/22/93	0	1	
BUFF0016	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/12/63-11/17/64	1	2	
BUFF0038	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	11/15/45-08/13/63	17	59	
BUFF0070	No	00440	BICARBONATE ION (MG/L AS HCO3)	11/17/64-11/17/64	0	1	
BUFF0080	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/23/45-03/21/77	31	117	S
BUFF0134	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/09/86-04/09/86	0	1	
BUFF0136	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	04/10/74-03/21/77	2	12	
BUFF0139	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/09/86-04/09/86	0	1	
BUFF0160	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/14/63-08/14/63	0	1	
BUFF0161	No	00440	BICARBONATE ION (MG/L AS HCO3)	11/18/64-11/18/64	0	1	
BUFF0232	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/16/86-04/16/86	0	1	
BUFF0233	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/16/86-04/16/86	0	1	
BUFF0016	No	00445	CARBONATE ION (MG/L AS CO3)	08/12/63-11/17/64	1	2	
BUFF0038	Yes	00445	CARBONATE ION (MG/L AS CO3)	11/15/45-08/13/63	17	59	
BUFF0070	No	00445	CARBONATE ION (MG/L AS CO3)	11/17/64-11/17/64	0	1	
BUFF0080	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/23/45-03/21/77	31	115	S
BUFF0136	Yes	00445	CARBONATE ION (MG/L AS CO3)	04/10/74-03/21/77	2	10	
BUFF0160	No	00445	CARBONATE ION (MG/L AS CO3)	08/14/63-08/14/63	0	1	
BUFF0161	No	00445	CARBONATE ION (MG/L AS CO3)	11/18/64-11/18/64	0	1	
BUFF0016	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/25/94-05/17/95	0	3	
BUFF0080	Yes	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/17/94-05/16/95	0	3	
BUFF0110	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/17/94-08/24/94	0	2	
BUFF0170	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/16/94-05/15/95	0	3	
BUFF0180	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	04/28/93-08/22/96	3	34	
BUFF0016	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/25/94-05/17/95	0	3	
BUFF0080	Yes	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/17/94-05/16/95	0	3	
BUFF0110	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/17/94-08/24/94	0	2	
BUFF0170	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/16/94-05/15/95	0	3	
BUFF0180	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	04/28/93-08/22/96	3	34	
BUFF0053	Yes	00500	RESIDUE, TOTAL (MG/L)	07/13/71-07/19/71	0	4	
BUFF0075	No	00500	RESIDUE, TOTAL (MG/L)	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00500	RESIDUE, TOTAL (MG/L)	04/10/74-09/21/76	2	28	
BUFF0084	Yes	00500	RESIDUE, TOTAL (MG/L)	07/19/71-07/22/71	0	4	
BUFF0136	Yes	00500	RESIDUE, TOTAL (MG/L)	04/10/74-01/17/77	2	35	
BUFF0155	Yes	00500	RESIDUE, TOTAL (MG/L)	07/07/71-07/20/71	0	4	
BUFF0053	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/71-07/19/71	0	4	
BUFF0075	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/10/74-08/09/77	3	39	
BUFF0084	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/19/71-07/22/71	0	4	
BUFF0136	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/10/74-12/21/76	2	34	
BUFF0155	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/07/71-07/20/71	0	2	
BUFF0053	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/94-01/13/95	0	46	
BUFF0065	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/94-12/18/95	1	36	
BUFF0068	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/83-06/10/86	2	23	
BUFF0069	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/83-06/10/86	2	23	
BUFF0071	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/94-04/29/94	0	15	
BUFF0075	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	20	236	T,A,S
BUFF0083	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	18	227	T,A
BUFF0084	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/19/71-07/22/71	0	4	
BUFF0088	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/94-12/18/95	1	38	
BUFF0112	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/79-06/05/79	0	4	
BUFF0113	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/79-06/08/79	0	4	
BUFF0114	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/79-06/08/79	0	4	
BUFF0115	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/30/79-06/05/79	0	3	
BUFF0123	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/15/79-06/15/79	0	5	
BUFF0124	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/79-05/18/79	0	2	
BUFF0136	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	13	47	
BUFF0155	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/07/71-07/20/71	0	2	
BUFF0080	Yes	00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	09/16/93-09/16/93	0	2	
BUFF0080	Yes	00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	09/16/93-09/16/93	0	2	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0050	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	12/04/79-07/14/81	1	6	
BUFF0080	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	11/14/77-09/14/82	4	18	
BUFF0160	No	00600	NITROGEN, TOTAL (MG/L AS N)	05/19/82-05/19/82	0	1	
BUFF0050	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	12/04/79-10/25/82	2	8	
BUFF0080	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/14/77-09/14/82	4	32	
BUFF0160	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/19/82-05/19/82	0	2	
BUFF0187	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/25/89-05/23/89	0	33	
BUFF0230	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/25/89-05/23/89	0	28	
BUFF0050	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	09/16/82-10/25/82	0	2	
BUFF0016	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/16/82-10/25/82	0	2	
BUFF0074	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/23/93-07/23/93	0	1	
BUFF0078	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/17/94-05/16/95	0	3	
BUFF0110	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/17/94-08/24/94	0	2	
BUFF0131	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/22/93-07/22/93	0	1	
BUFF0170	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0180	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0187	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/25/89-05/23/89	0	33	
BUFF0225	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/28/93-08/22/96	3	34	
BUFF0230	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/25/89-05/23/89	0	28	
BUFF0007	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	7	27	
BUFF0008	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-10/07/96	7	29	
BUFF0009	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	7	28	
BUFF0013	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	7	27	
BUFF0021	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-06/12/95	6	2	
BUFF0029	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	7	52	
BUFF0031	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	7	54	
BUFF0034	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	9	62	
BUFF0049	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	9	60	
BUFF0050	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/08/96	7	28	
BUFF0062	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-09/17/96	7	97	
BUFF0064	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/09/89-05/06/96	6	25	
BUFF0065	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	7	66	
BUFF0068	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/13/83-06/10/86	2	20	
BUFF0069	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/13/83-06/10/86	2	20	
BUFF0071	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/08/90-11/04/96	6	56	
BUFF0077	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-11/04/96	7	56	
BUFF0080	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	17	190	T,A
BUFF0083	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	18	216	T,A
BUFF0086	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	7	31	
BUFF0088	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	7	69	
BUFF0100	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	9	54	
BUFF0102	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-06/03/96	6	28	
BUFF0108	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/14/94-07/31/95	1	5	
BUFF0116	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/15/87-09/09/96	9	43	
BUFF0118	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	7	27	
BUFF0122	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	7	43	
BUFF0127	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/14/94-03/13/95	1	4	
BUFF0136	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-11/23/87	10	12	
BUFF0140	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	7	45	
BUFF0145	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	9	58	
BUFF0149	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	7	43	
BUFF0151	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-08/19/96	7	50	
BUFF0153	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	9	64	
BUFF0156	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/20/93-09/27/93	0	2	
BUFF0160	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/19/82-05/19/82	0	2	
BUFF0163	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/20/93-09/27/93	0	2	
BUFF0169	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-05/13/96	6	35	
BUFF0186	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	9	59	
BUFF0190	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/88-11/04/96	8	48	
BUFF0218	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/89-05/13/96	6	49	
BUFF0229	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/89-11/04/96	7	33	
BUFF0231	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	9	59	
BUFF0016	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/16/82-10/25/82	0	2	
BUFF0074	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/23/93-07/23/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0078	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/17/94-05/16/95	0	3	
BUFF0110	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/17/94-08/24/94	0	2	
BUFF0131	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/22/93-07/22/93	0	1	
BUFF0170	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0180	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	04/28/93-08/22/96	3	34	
BUFF0050	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/16/82-10/25/82	0	2	
BUFF0080	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/77-09/16/80	3	41	
BUFF0083	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/10/78-09/16/80	2	29	
BUFF0136	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/77-02/13/78	0	12	
BUFF0053	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/13/71-07/19/71	0	4	
BUFF0075	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	6	71	
BUFF0083	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/10/78-09/16/80	2	24	
BUFF0084	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/22/71	0	4	
BUFF0136	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-02/13/78	3	46	
BUFF0155	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/07/71-07/20/71	0	4	
BUFF0016	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	09/16/82-10/25/82	0	2	
BUFF0074	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/23/93-07/23/93	0	1	
BUFF0078	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/17/94-05/16/95	0	3	
BUFF0110	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/17/94-08/24/94	0	2	
BUFF0131	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/22/93-07/22/93	0	1	
BUFF0170	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0180	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	04/28/93-08/22/96	3	34	
BUFF0050	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	09/16/82-10/25/82	0	2	
BUFF0007	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-02/03/92	2	6	
BUFF0008	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/85-02/27/90	4	15	
BUFF0009	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-09/27/89	0	5	
BUFF0013	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-09/27/89	0	5	
BUFF0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/17/94-05/18/95	1	3	
BUFF0021	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-06/04/89	0	1	
BUFF0029	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-12/18/90	1	14	
BUFF0031	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-12/18/90	1	16	
BUFF0034	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/85-12/18/90	5	36	
BUFF0046	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/85-12/18/90	5	36	
BUFF0050	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-09/26/89	0	5	
BUFF0062	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-01/13/95	5	59	
BUFF0064	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/09/89-08/09/89	0	1	
BUFF0065	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-11/05/94	5	26	
BUFF0072	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/08/90-04/29/94	3	20	
BUFF0077	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/85-12/18/90	5	30	
BUFF0080	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	18	131	T,A
BUFF0083	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	16	104	T
BUFF0086	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-09/25/89	0	5	
BUFF0088	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-11/05/94	5	28	
BUFF0099	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/85-11/18/90	5	28	
BUFF0102	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-07/30/90	1	7	
BUFF0110	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/17/94-08/24/94	0	2	
BUFF0116	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/15/87-01/13/92	4	6	
BUFF0118	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-09/25/89	0	5	
BUFF0122	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-01/13/92	2	8	
BUFF0136	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-01/24/78	0	3	
BUFF0140	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-01/13/92	2	11	
BUFF0145	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/85-12/17/90	5	33	
BUFF0149	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-01/13/92	2	11	
BUFF0151	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-01/13/92	2	16	
BUFF0153	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/85-12/17/90	5	36	
BUFF0160	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/19/82-05/19/82	0	2	
BUFF0169	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-01/13/92	2	10	
BUFF0170	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0180	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/85-12/17/90	5	37	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0187	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/89-05/23/89	0	33	
BUFF0190	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/88-01/13/92	3	16	
BUFF0218	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/07/89-01/13/92	2	12	
BUFF0225	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/28/93-08/22/96	3	34	
BUFF0229	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/89-01/13/92	2	9	
BUFF0230	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/89-05/23/89	0	28	
BUFF0231	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/85-12/17/90	5	32	
BUFF0007	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	7	27	
BUFF0008	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/85-10/07/96	11	37	
BUFF0009	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	7	28	
BUFF0013	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	7	27	
BUFF0021	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-06/12/95	6	2	
BUFF0029	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	7	53	
BUFF0031	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	7	55	
BUFF0034	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	11	73	
BUFF0049	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	11	70	
BUFF0050	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/08/96	7	28	
BUFF0062	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-09/17/96	7	96	
BUFF0064	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/09/89-05/06/96	6	25	
BUFF0065	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	7	66	
BUFF0068	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/83-05/13/86	2	19	
BUFF0069	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/83-05/13/86	2	19	
BUFF0071	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/08/90-11/04/96	6	56	
BUFF0077	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/04/96	11	65	
BUFF0080	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	16	157	T,A
BUFF0083	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	18	212	T,A
BUFF0086	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	7	31	
BUFF0088	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	7	68	
BUFF0100	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/10/85-11/04/96	11	62	
BUFF0102	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-06/03/96	6	30	
BUFF0108	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/14/94-07/31/95	1	5	
BUFF0116	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/87-09/09/96	9	44	
BUFF0118	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	7	28	
BUFF0122	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	7	44	
BUFF0127	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/14/94-03/13/95	1	4	
BUFF0136	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/18/77-11/23/87	10	11	
BUFF0140	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	7	47	
BUFF0145	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	11	68	
BUFF0149	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	7	45	
BUFF0151	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-08/19/96	7	53	
BUFF0153	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	11	73	
BUFF0156	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/20/93-09/27/93	0	2	
BUFF0160	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/19/82-05/19/82	0	2	
BUFF0163	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/20/93-09/27/93	0	2	
BUFF0169	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-05/13/96	6	36	
BUFF0186	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	11	72	
BUFF0190	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/03/88-11/04/96	8	48	
BUFF0218	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/07/89-05/13/96	6	49	
BUFF0229	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/05/89-11/04/96	7	32	
BUFF0231	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	11	70	
BUFF0016	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/04/79-10/25/82	2	8	
BUFF0074	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/23/93-07/23/93	0	1	
BUFF0078	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/17/94-05/16/95	0	3	
BUFF0110	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/17/94-08/24/94	0	2	
BUFF0131	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/22/93-07/22/93	0	1	
BUFF0170	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0180	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/16/94-05/15/95	0	3	
BUFF0187	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/25/89-05/23/89	0	34	
BUFF0225	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/28/93-08/22/96	3	35	
BUFF0230	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/25/89-05/23/89	0	28	
BUFF0053	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/13/71-07/19/71	0	4	
BUFF0075	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/19/71-07/22/71	0	4	
BUFF0084	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/19/71-07/22/71	0	4	
BUFF0155	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/07/71-07/20/71	0	4	
BUFF0050	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/04/79-07/14/81	1	6	
BUFF0007	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-10/26/92	3	9	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0008	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/85-10/26/92	7	21	
BUFF0009	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-10/26/92	3	11	
BUFF0013	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-10/26/92	3	10	
BUFF0016	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/17/94-05/18/95	1	3	
BUFF0021	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-06/04/89	0	1	
BUFF0029	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-09/01/92	3	21	
BUFF0031	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-11/23/92	3	26	
BUFF0034	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	7	46	
BUFF0046	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	7	44	
BUFF0050	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-11/23/92	3	10	
BUFF0062	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-01/13/95	5	69	
BUFF0064	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/89-11/02/92	3	7	
BUFF0065	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	6	46	
BUFF0068	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/83-06/10/86	2	20	
BUFF0069	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/83-06/10/86	2	20	
BUFF0071	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/08/90-04/29/94	3	27	
BUFF0077	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	7	39	
BUFF0080	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	22	263	T,A,S
BUFF0083	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	18	218	T,A
BUFF0086	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-11/02/92	3	10	
BUFF0088	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	6	48	
BUFF0099	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/85-09/28/92	7	37	
BUFF0102	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-09/28/92	3	11	
BUFF0110	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/17/94-08/24/94	0	2	
BUFF0116	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/15/87-09/28/92	5	14	
BUFF0118	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-11/02/92	3	10	
BUFF0122	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-09/28/92	3	16	
BUFF0136	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	13	48	
BUFF0140	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-09/28/92	3	19	
BUFF0145	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	7	42	
BUFF0149	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-09/28/92	3	18	
BUFF0151	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-09/28/92	3	24	
BUFF0153	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	7	46	
BUFF0160	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/82-05/19/82	0	2	
BUFF0169	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-09/28/92	3	16	
BUFF0170	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/16/94-05/15/95	0	3	
BUFF0180	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	7	47	
BUFF0190	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/03/88-09/28/92	4	21	
BUFF0218	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/89-09/28/92	3	21	
BUFF0225	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/28/93-08/22/96	3	34	
BUFF0229	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/05/89-06/08/92	3	11	
BUFF0231	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	7	43	
BUFF0016	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/21/81-10/25/82	1	3	
BUFF0074	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/17/94-05/16/95	0	3	
BUFF0110	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/17/94-08/24/94	0	2	
BUFF0131	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/22/93-07/22/93	0	1	
BUFF0134	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/09/86-04/09/86	0	1	
BUFF0139	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/09/86-04/09/86	0	1	
BUFF0170	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/16/94-05/15/95	0	3	
BUFF0180	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/28/93-08/22/96	3	34	
BUFF0232	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/16/86-04/16/86	0	1	
BUFF0233	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/16/86-04/16/86	0	1	
BUFF0016	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/04/79-07/14/81	1	6	
BUFF0074	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/23/93-07/23/93	0	1	
BUFF0078	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/17/94-05/16/95	0	3	
BUFF0110	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/17/94-08/24/94	0	2	
BUFF0131	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/22/93-07/22/93	0	1	
BUFF0170	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/16/94-05/15/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0180	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/93-08/22/96	3	34	
BUFF0034	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/25/90	2	2	
BUFF0049	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/25/90	2	2	
BUFF0062	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/03/94-01/13/95	0	40	
BUFF0065	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/03/94-12/18/95	1	24	
BUFF0071	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/30/94-10/01/96	2	7	
BUFF0077	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/25/90	2	2	
BUFF0080	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	5	65	
BUFF0083	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	10	123	A
BUFF0086	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/30/95-10/30/95	0	1	
BUFF0088	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/04/94-12/18/95	1	27	
BUFF0100	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/24/90	2	2	
BUFF0116	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/15/87-08/19/87	0	3	
BUFF0136	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/23/87-11/23/87	0	1	
BUFF0145	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/24/90	2	2	
BUFF0153	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/24/90	2	2	
BUFF0169	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/24/90-09/24/90	0	1	
BUFF0186	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/24/90	2	2	
BUFF0190	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/03/88-09/24/90	2	2	
BUFF0231	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-12/20/87	0	1	
BUFF0016	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/25/94-05/17/95	0	3	
BUFF0074	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/06/93-08/21/96	3	36	
BUFF0099	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/17/94-05/16/95	0	3	
BUFF0110	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/17/94-08/24/94	0	2	
BUFF0131	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/22/93-07/22/93	0	1	
BUFF0134	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/09/86-04/09/86	0	1	
BUFF0139	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/09/86-04/09/86	0	1	
BUFF0170	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/16/94-05/15/95	0	3	
BUFF0180	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/93-08/22/96	3	34	
BUFF0232	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/16/86-04/16/86	0	1	
BUFF0233	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/16/86-04/16/86	0	1	
BUFF0016	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/25/94-05/17/95	0	3	
BUFF0080	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/06/93-08/21/96	3	34	
BUFF0099	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/17/94-05/16/95	0	3	
BUFF0110	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/17/94-08/24/94	0	2	
BUFF0170	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/16/94-05/15/95	0	3	
BUFF0180	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	04/28/93-08/22/96	3	34	
BUFF0134	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/09/86-04/09/86	0	1	
BUFF0139	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/09/86-04/09/86	0	1	
BUFF0232	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/16/86-04/16/86	0	1	
BUFF0233	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/16/86-04/16/86	0	1	
BUFF0007	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/93-08/08/94	1	4	
BUFF0008	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/93-08/08/94	1	4	
BUFF0009	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/93-08/08/94	1	4	
BUFF0013	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/94-08/08/94	0	3	
BUFF0016	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/12/63-11/17/64	1	2	
BUFF0029	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/93-06/14/94	1	5	
BUFF0031	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/93-06/14/94	1	5	
BUFF0034	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-06/14/94	0	6	
BUFF0038	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/15/45-08/13/63	17	59	
BUFF0049	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-06/14/94	0	6	
BUFF0050	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/93-07/26/94	1	6	
BUFF0053	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-07/11/94	1	5	
BUFF0064	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/93-03/21/94	0	5	
BUFF0065	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/93-09/19/94	1	6	
BUFF0068	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/84-06/10/86	1	16	
BUFF0069	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/13/83-06/10/86	2	23	
BUFF0070	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/17/64-11/17/64	0	1	
BUFF0071	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-06/13/94	0	6	
BUFF0075	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	6	
BUFF0080	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	43	201	T,S
BUFF0083	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	18	187	T,A

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0084	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/22/71	0	4	
BUFF0086	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/93-09/19/94	1	7	
BUFF0088	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/93-09/19/94	1	7	
BUFF0100	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	6	
BUFF0102	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	7	
BUFF0108	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/14/94-02/14/94	0	1	
BUFF0116	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	1	8	
BUFF0118	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-08/08/94	1	8	
BUFF0122	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	1	8	
BUFF0127	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/14/94-02/14/94	0	1	
BUFF0136	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/74-11/23/87	13	17	
BUFF0140	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	1	8	
BUFF0145	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	6	
BUFF0149	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	1	8	
BUFF0151	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	1	8	
BUFF0153	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	6	
BUFF0155	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/07/71-07/20/71	0	4	
BUFF0156	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/20/93-09/27/93	0	2	
BUFF0160	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/14/63-05/19/82	18	2	
BUFF0161	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/18/64-11/18/64	0	1	
BUFF0163	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/20/93-09/27/93	0	2	
BUFF0169	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	1	8	
BUFF0186	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	6	
BUFF0190	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	5	
BUFF0218	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	6	
BUFF0229	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-04/05/94	0	5	
BUFF0231	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	0	6	
BUFF0016	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/12/63-11/17/64	1	2	
BUFF0038	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/15/45-08/13/63	17	59	
BUFF0050	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/04/79-08/26/80	0	4	
BUFF0070	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/17/64-11/17/64	0	1	
BUFF0080	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/23/45-03/21/77	31	117	S
BUFF0160	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/14/63-08/14/63	0	1	
BUFF0161	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/18/64-11/18/64	0	1	
BUFF0053	Yes	00910	CALCIUM (MG/L AS CACO3)	07/13/71-07/19/71	0	4	
BUFF0075	No	00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00910	CALCIUM (MG/L AS CACO3)	04/10/74-07/20/76	2	9	
BUFF0084	Yes	00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/22/71	0	4	
BUFF0136	Yes	00910	CALCIUM (MG/L AS CACO3)	04/10/74-03/21/77	2	12	
BUFF0155	Yes	00910	CALCIUM (MG/L AS CACO3)	07/07/71-07/20/71	0	4	
BUFF0016	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/12/63-05/18/95	31	5	
BUFF0027	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/20/74-03/06/75	0	4	
BUFF0033	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/20/74-03/06/75	0	4	
BUFF0035	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-05/20/74	0	2	
BUFF0038	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/15/45-08/13/63	17	43	
BUFF0042	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-12/10/75	1	9	
BUFF0046	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-03/06/75	0	6	
BUFF0070	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/17/64-11/17/64	0	1	
BUFF0071	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/09/95-10/01/96	1	6	
BUFF0074	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/93-07/23/93	0	1	
BUFF0076	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-12/10/75	1	10	
BUFF0078	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	51	126	T,S
BUFF0083	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/17/95-11/19/96	1	21	
BUFF0099	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/17/94-05/16/95	0	3	
BUFF0110	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/17/94-08/24/94	0	2	
BUFF0131	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/22/93-07/22/93	0	1	
BUFF0134	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/09/86-04/09/86	0	1	
BUFF0136	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/10/74-03/21/77	2	12	
BUFF0139	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/09/86-04/09/86	0	1	
BUFF0144	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-09/19/75	1	7	
BUFF0157	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-12/10/75	1	9	
BUFF0159	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-03/06/75	0	6	
BUFF0160	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/14/63-05/19/82	18	2	
BUFF0161	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/18/64-11/18/64	0	1	
BUFF0170	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/16/94-05/15/95	0	3	
BUFF0180	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/16/94-05/15/95	0	3	
BUFF0187	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/25/89-01/29/89	0	15	
BUFF0191	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/74-08/20/74	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0192	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-03/06/75	0	4	
BUFF0220	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/28/93-08/22/96	3	34	
BUFF0230	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/25/89-01/29/89	0	15	
BUFF0232	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/16/86-04/16/86	0	1	
BUFF0233	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/16/86-04/16/86	0	1	
BUFF0053	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/13/71-07/19/71	0	4	
BUFF0075	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/74-07/22/80	6	14	
BUFF0083	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/78-07/22/80	2	8	
BUFF0084	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/71-07/22/71	0	4	
BUFF0136	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/15/77-01/24/78	0	4	
BUFF0155	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/07/71-07/20/71	0	4	
BUFF0001	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0020	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0022	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0023	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0024	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0027	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	02/04/73-03/26/75	2	7	
BUFF0028	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/19/75	2	3	
BUFF0030	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0033	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0037	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/24/73-06/24/73	0	1	
BUFF0039	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0041	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	02/04/73-07/03/73	0	2	
BUFF0085	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0103	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	

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Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0214	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0008	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	06/09/87-10/17/89	2	6	
BUFF0034	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-11/19/90	2	8	
BUFF0049	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/25/90	2	7	
BUFF0077	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/25/90	2	7	
BUFF0088	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	04/04/90-04/04/90	0	1	
BUFF0100	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/24/90	2	7	
BUFF0116	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	06/15/87-08/19/87	0	3	
BUFF0140	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	10/11/90-10/11/90	0	1	
BUFF0145	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/24/90	2	7	
BUFF0153	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	06/09/87-01/28/91	3	9	
BUFF0169	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	09/24/90-09/24/90	0	1	
BUFF0186	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/24/90	2	7	
BUFF0190	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	02/03/88-09/24/90	2	3	
BUFF0231	Yes	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-10/17/89	1	6	
BUFF0008	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	02/03/88-10/17/89	1	5	
BUFF0034	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	1	6	
BUFF0049	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	1	6	
BUFF0077	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	1	6	
BUFF0100	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	1	6	
BUFF0116	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	06/15/87-08/19/87	0	3	
BUFF0145	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	1	6	
BUFF0153	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	06/09/87-10/17/89	2	7	
BUFF0186	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	1	6	
BUFF0190	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	02/03/88-02/03/88	0	1	
BUFF0231	Yes	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	1	6	
BUFF0008	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	06/09/87-10/17/89	2	6	
BUFF0034	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	08/25/85-09/25/90	5	8	
BUFF0049	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/25/90	2	7	
BUFF0077	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/25/90	2	7	
BUFF0100	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/24/90	2	7	
BUFF0116	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	06/15/87-12/16/91	4	4	
BUFF0145	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/24/90	2	7	
BUFF0153	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	06/09/87-09/24/90	3	8	
BUFF0169	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	09/24/90-09/24/90	0	1	
BUFF0186	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/24/90	2	7	
BUFF0190	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	02/03/88-09/24/90	2	2	
BUFF0229	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	04/23/90-04/23/90	0	1	
BUFF0231	Yes	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-10/17/89	1	6	
BUFF0001	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0020	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0022	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0023	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0024	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0027	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	02/04/73-03/26/75	2	9	
BUFF0028	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/19/75	2	3	
BUFF0030	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	0	2	

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Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0033	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0037	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/24/73-06/24/73	0	1	
BUFF0039	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0041	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	02/04/73-07/03/73	0	2	
BUFF0085	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0172	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0016	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/12/63-05/18/95	31	5	
BUFF0027	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/20/74-03/06/75	0	4	
BUFF0033	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/20/74-03/06/75	0	4	
BUFF0035	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-05/20/74	0	2	
BUFF0038	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/15/45-08/13/63	17	43	
BUFF0042	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-12/10/75	1	9	
BUFF0046	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-03/06/75	0	6	
BUFF0070	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/17/64-11/17/64	0	1	
BUFF0071	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/09/95-10/01/96	1	6	
BUFF0074	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/93-07/23/93	0	1	
BUFF0076	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-12/10/75	1	10	
BUFF0078	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	51	127	T,S
BUFF0083	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/17/95-11/19/96	1	21	
BUFF0099	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/17/94-05/16/95	0	3	
BUFF0110	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/17/94-08/24/94	0	2	
BUFF0131	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/22/93-07/22/93	0	1	
BUFF0134	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/09/86-04/09/86	0	1	
BUFF0136	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/10/74-03/21/77	2	12	
BUFF0139	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/09/86-04/09/86	0	1	
BUFF0144	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-09/19/75	1	7	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0157	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-12/10/75	1	9	
BUFF0159	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-03/06/75	0	6	
BUFF0160	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/14/63-05/19/82	18	2	
BUFF0161	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/18/64-11/18/64	0	1	
BUFF0170	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/16/94-05/15/95	0	3	
BUFF0180	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/16/94-05/15/95	0	3	
BUFF0187	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/25/89-01/29/89	0	15	
BUFF0191	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-03/06/75	0	4	
BUFF0220	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/93-08/22/96	3	34	
BUFF0230	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/25/89-01/29/89	0	15	
BUFF0232	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/16/86-04/16/86	0	1	
BUFF0233	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/16/86-04/16/86	0	1	
BUFF0027	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-03/06/75	0	4	
BUFF0033	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-03/06/75	0	4	
BUFF0035	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	08/19/74-09/19/75	1	4	
BUFF0036	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-12/10/75	1	8	
BUFF0052	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-03/06/75	0	5	
BUFF0076	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-12/10/75	1	9	
BUFF0144	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-09/19/75	1	6	
BUFF0157	No	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-12/10/75	1	8	
BUFF0159	No	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-03/06/75	0	5	
BUFF0191	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	08/19/74-08/19/74	0	1	
BUFF0192	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	07/18/75-07/18/75	0	1	
BUFF0194	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	06/17/74-03/06/75	0	3	
BUFF0220	Yes	00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-12/10/75	1	7	
BUFF0053	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/13/71-07/19/71	0	4	
BUFF0075	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/71-07/22/71	0	4	
BUFF0080	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/74-07/22/80	6	14	
BUFF0083	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/78-07/22/80	2	8	
BUFF0084	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/71-07/22/71	0	4	
BUFF0136	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/15/77-01/24/78	0	4	
BUFF0155	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/07/71-07/20/71	0	4	
BUFF0027	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-03/06/75	0	4	
BUFF0033	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-03/06/75	0	4	
BUFF0035	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-12/10/75	1	8	
BUFF0052	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-03/06/75	0	5	
BUFF0076	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-12/10/75	1	9	
BUFF0144	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-09/19/75	1	6	
BUFF0157	No	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-12/10/75	1	8	
BUFF0159	No	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-03/06/75	0	5	
BUFF0191	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	08/19/74-08/19/74	0	1	
BUFF0192	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	07/18/75-07/18/75	0	1	
BUFF0194	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	06/17/74-03/06/75	0	3	
BUFF0220	Yes	00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-12/10/75	1	7	
BUFF0080	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	04/10/74-07/22/80	6	23	
BUFF0083	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	04/10/78-07/22/80	2	9	
BUFF0136	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	04/10/74-01/24/78	3	15	
BUFF0016	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/12/63-05/18/95	31	5	
BUFF0027	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/20/74-03/06/75	0	4	
BUFF0033	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/20/74-03/06/75	0	4	
BUFF0035	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-05/20/74	0	2	
BUFF0038	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/15/45-08/13/63	17	43	
BUFF0042	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-12/10/75	1	9	
BUFF0046	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-03/06/75	0	6	
BUFF0070	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/17/64-11/17/64	0	1	
BUFF0071	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/09/95-10/01/96	1	6	
BUFF0074	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/93-07/23/93	0	1	
BUFF0076	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-12/10/75	1	10	
BUFF0078	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	51	118	S
BUFF0083	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/17/95-11/19/96	1	21	
BUFF0099	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/17/94-05/16/95	0	3	
BUFF0110	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/17/94-08/24/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0131	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/22/93-07/22/93	0	1	
BUFF0134	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/09/86-04/09/86	0	1	
BUFF0139	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/09/86-04/09/86	0	1	
BUFF0144	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-09/19/75	1	7	
BUFF0157	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-12/10/75	1	9	
BUFF0159	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-03/06/75	0	6	
BUFF0160	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/14/63-08/14/63	0	1	
BUFF0161	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/18/64-11/18/64	0	1	
BUFF0170	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/16/94-05/15/95	0	3	
BUFF0180	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/16/94-05/15/95	0	3	
BUFF0187	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/25/89-01/29/89	0	15	
BUFF0191	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-03/06/75	0	4	
BUFF0220	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/93-08/22/96	3	34	
BUFF0230	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/25/89-01/29/89	0	15	
BUFF0232	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/16/86-04/16/86	0	1	
BUFF0233	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/16/86-04/16/86	0	1	
BUFF0016	No	00931	SODIUM ADSORPTION RATIO	08/12/63-11/17/64	1	2	
BUFF0038	Yes	00931	SODIUM ADSORPTION RATIO	11/15/45-08/13/63	17	43	
BUFF0050	Yes	00931	SODIUM ADSORPTION RATIO	12/04/79-10/25/82	2	8	
BUFF0070	No	00931	SODIUM ADSORPTION RATIO	11/17/64-11/17/64	0	1	
BUFF0080	Yes	00931	SODIUM ADSORPTION RATIO	07/23/45-10/04/63	18	82	
BUFF0160	No	00931	SODIUM ADSORPTION RATIO	08/14/63-08/14/63	0	1	
BUFF0161	No	00931	SODIUM ADSORPTION RATIO	11/18/64-11/18/64	0	1	
BUFF0038	Yes	00932	SODIUM, PERCENT	11/15/45-10/18/60	14	42	
BUFF0050	Yes	00932	SODIUM, PERCENT	12/04/79-10/25/82	2	8	
BUFF0080	Yes	00932	SODIUM, PERCENT	07/23/45-10/04/63	18	82	
BUFF0050	Yes	00933	SODIUM,PLUS POTASSIUM (MG/L)	12/04/79-12/04/79	0	1	
BUFF0001	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0020	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0022	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0023	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0024	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0027	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-03/26/75	1	8	
BUFF0028	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-07/19/75	2	2	
BUFF0030	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0033	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0039	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0041	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0066	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0085	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0182	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0192	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0194	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	03/12/74-07/15/75	1	6	
BUFF0195	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0201	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0205	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0207	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0209	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0220	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0016	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/12/63-05/18/95	31	5	
BUFF0027	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/20/74-03/06/75	0	4	
BUFF0033	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/20/74-03/06/75	0	4	
BUFF0035	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-05/20/74	0	2	
BUFF0038	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/13/63	13	41	
BUFF0042	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-12/10/75	1	9	
BUFF0046	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-03/06/75	0	6	
BUFF0070	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/17/64-11/17/64	0	1	
BUFF0071	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/09/95-10/01/96	1	6	
BUFF0074	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/23/93-07/23/93	0	1	
BUFF0076	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-12/10/75	1	10	
BUFF0078	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	46	90	S
BUFF0083	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/17/95-11/19/96	1	21	
BUFF0099	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/17/94-05/16/95	0	3	
BUFF0110	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/17/94-08/24/94	0	2	
BUFF0131	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/22/93-07/22/93	0	1	
BUFF0134	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/09/86-04/09/86	0	1	
BUFF0139	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/09/86-04/09/86	0	1	
BUFF0144	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-09/19/75	1	7	
BUFF0157	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-12/10/75	1	9	
BUFF0159	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/20/74-03/06/75	0	5	
BUFF0160	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/14/63-08/14/63	0	1	
BUFF0161	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/18/64-11/18/64	0	1	
BUFF0170	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/16/94-05/15/95	0	3	
BUFF0180	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/16/94-05/15/95	0	3	
BUFF0187	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/25/89-01/29/89	0	15	
BUFF0191	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-03/06/75	0	4	
BUFF0220	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/93-08/22/96	3	34	
BUFF0230	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/25/89-01/29/89	0	15	
BUFF0232	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/86-04/16/86	0	1	
BUFF0233	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/86-04/16/86	0	1	
BUFF0027	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-03/06/75	0	4	
BUFF0033	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-03/06/75	0	4	
BUFF0035	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-12/10/75	1	8	
BUFF0052	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-03/06/75	0	5	
BUFF0076	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-12/10/75	1	9	
BUFF0144	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-09/19/75	1	6	
BUFF0157	No	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-12/10/75	1	8	
BUFF0159	No	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-03/06/75	0	5	
BUFF0191	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	08/19/74-08/19/74	0	1	
BUFF0192	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	07/18/75-07/18/75	0	1	
BUFF0194	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	06/17/74-03/06/75	0	3	
BUFF0220	Yes	00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-12/10/75	1	7	
BUFF0080	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	04/10/74-07/22/80	6	23	
BUFF0083	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	04/10/78-07/22/80	2	9	
BUFF0136	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	04/10/74-01/24/78	3	14	
BUFF0160	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/19/82-05/19/82	0	1	
BUFF0001	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0020	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0022	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0023	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0024	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0027	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-03/26/75	1	8	
BUFF0028	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-07/19/75	2	2	
BUFF0030	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0033	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0039	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0041	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0085	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-03/26/75	1	9	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0162	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0182	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0192	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0194	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	03/12/74-07/15/75	1	6	
BUFF0195	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0201	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0205	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0207	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0209	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0220	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0008	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	06/09/87-03/11/89	1	5	
BUFF0034	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/25/90	2	7	
BUFF0049	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/25/90	2	6	
BUFF0062	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	01/29/91-01/29/91	0	1	
BUFF0064	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	07/20/92-07/20/92	0	1	
BUFF0077	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/25/90	2	6	
BUFF0100	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/24/90	2	6	
BUFF0116	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	06/15/87-08/19/87	0	3	
BUFF0145	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/24/90	2	6	
BUFF0153	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	06/09/87-09/24/90	3	7	
BUFF0169	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	09/24/90-09/24/90	0	1	
BUFF0186	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/24/90	2	6	
BUFF0190	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	02/03/88-09/24/90	2	2	
BUFF0229	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	11/30/92-11/30/92	0	1	
BUFF0231	Yes	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-10/17/89	1	6	
BUFF0007	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/92-10/07/96	4	22	
BUFF0008	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-10/07/96	7	26	
BUFF0009	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/92-10/07/96	4	23	
BUFF0013	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/92-10/07/96	4	22	
BUFF0016	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/63-05/18/95	31	5	
BUFF0017	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/71-07/19/71	0	4	
BUFF0021	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/12/95-06/12/95	0	1	
BUFF0029	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/05/96	6	47	
BUFF0031	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/90-11/05/96	6	50	
BUFF0034	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	7	55	
BUFF0038	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	11/15/45-08/13/63	17	59	
BUFF0046	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	7	53	
BUFF0050	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/07/92-10/08/96	4	23	
BUFF0053	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/23/90-09/17/96	5	89	
BUFF0064	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/06/92-05/06/96	4	24	
BUFF0065	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/06/92-10/21/96	4	61	
BUFF0068	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/13/83-06/10/86	2	22	
BUFF0069	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/13/83-06/10/86	2	22	
BUFF0070	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/17/64-11/17/64	0	1	
BUFF0071	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/30/94-10/01/96	2	7	
BUFF0072	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/08/90-11/04/96	6	55	
BUFF0074	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/93-07/23/93	0	1	
BUFF0075	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	7	49	
BUFF0078	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	50	361	T,A,S

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0083	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	18	226	T,A
BUFF0084	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/71-07/22/71	0	4	
BUFF0086	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/06/92-10/21/96	4	26	
BUFF0088	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/06/92-10/21/96	4	63	
BUFF0099	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	7	49	
BUFF0102	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/90-06/03/96	5	23	
BUFF0108	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/14/94-07/31/95	1	5	
BUFF0110	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/17/94-08/24/94	0	2	
BUFF0116	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/15/87-09/09/96	9	42	
BUFF0118	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/92-09/09/96	4	22	
BUFF0122	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/90-09/09/96	6	38	
BUFF0127	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/14/94-03/13/95	1	4	
BUFF0131	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/93-07/22/93	0	1	
BUFF0136	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/10/74-11/23/87	13	39	
BUFF0140	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/23/90-08/19/96	6	41	
BUFF0145	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	7	54	
BUFF0149	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/90-08/19/96	6	41	
BUFF0150	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/71-07/20/71	0	3	
BUFF0151	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-08/19/96	6	48	
BUFF0153	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	7	55	
BUFF0155	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/07/71-07/20/71	0	4	
BUFF0156	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/93-09/27/93	0	1	
BUFF0160	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/63-05/19/82	18	2	
BUFF0161	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/18/64-11/18/64	0	1	
BUFF0163	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/93-09/27/93	0	1	
BUFF0169	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/07/90-05/13/96	6	31	
BUFF0170	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/16/94-05/15/95	0	3	
BUFF0180	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	7	55	
BUFF0187	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/25/89-01/29/89	0	14	
BUFF0190	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/88-11/04/96	8	42	
BUFF0218	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-05/13/96	6	46	
BUFF0225	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/28/93-08/22/96	3	34	
BUFF0229	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-11/04/96	6	28	
BUFF0230	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/25/89-01/29/89	0	14	
BUFF0231	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	7	52	
BUFF0134	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/09/86-04/09/86	0	1	
BUFF0139	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/09/86-04/09/86	0	1	
BUFF0232	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/16/86-04/16/86	0	1	
BUFF0233	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/16/86-04/16/86	0	1	
BUFF0007	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/92-10/07/96	4	22	
BUFF0008	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/88-10/07/96	8	26	
BUFF0009	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/92-10/07/96	4	23	
BUFF0013	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/92-10/07/96	4	22	
BUFF0016	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/63-05/18/95	31	5	
BUFF0021	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/12/95-06/12/95	0	1	
BUFF0029	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/90-11/05/96	6	51	
BUFF0031	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/90-11/05/96	6	53	
BUFF0034	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	6	61	
BUFF0038	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/15/45-08/13/63	17	59	
BUFF0046	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/94-05/17/95	0	3	
BUFF0049	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	6	58	
BUFF0050	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/79-10/25/82	2	8	
BUFF0051	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/07/92-10/08/96	4	22	
BUFF0053	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/71-07/19/71	0	4	
BUFF0062	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/90-09/17/96	5	92	
BUFF0064	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/06/92-05/06/96	4	23	
BUFF0065	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/06/92-10/21/96	4	60	
BUFF0068	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/13/83-05/13/86	2	19	
BUFF0069	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/13/83-05/13/86	2	19	
BUFF0070	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/17/64-11/17/64	0	1	
BUFF0071	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/08/90-11/04/96	6	57	
BUFF0074	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/93-07/23/93	0	1	
BUFF0075	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/19/71-07/22/71	0	4	
BUFF0077	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	6	54	
BUFF0078	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	51	361	T,A,S
BUFF0083	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	18	220	T,A
BUFF0084	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/19/71-07/22/71	0	4	
BUFF0086	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/06/92-10/21/96	4	26	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0088	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/06/92-10/21/96	4	63	
BUFF0099	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/17/94-05/16/95	0	3	
BUFF0100	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	6	52	
BUFF0102	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/90-06/03/96	5	24	
BUFF0108	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/14/94-07/31/95	1	5	
BUFF0110	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/17/94-08/24/94	0	2	
BUFF0116	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/87-09/09/96	9	45	
BUFF0118	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/92-09/09/96	4	23	
BUFF0122	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/30/90-09/09/96	6	40	
BUFF0127	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/14/94-03/13/95	1	4	
BUFF0131	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/93-07/22/93	0	1	
BUFF0136	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/10/74-11/23/87	13	37	
BUFF0140	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/90-08/19/96	6	43	
BUFF0145	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	6	58	
BUFF0149	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/90-08/19/96	6	41	
BUFF0151	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-08/19/96	6	49	
BUFF0153	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	6	62	
BUFF0155	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/07/71-07/20/71	0	4	
BUFF0156	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/93-09/27/93	0	2	
BUFF0160	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/14/63-05/19/82	18	2	
BUFF0161	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/18/64-11/18/64	0	1	
BUFF0163	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/93-09/27/93	0	2	
BUFF0169	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/90-05/13/96	6	31	
BUFF0170	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/16/94-05/15/95	0	3	
BUFF0180	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	6	57	
BUFF0190	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/88-11/04/96	8	44	
BUFF0218	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-05/13/96	6	48	
BUFF0225	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/28/93-08/22/96	3	34	
BUFF0229	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-11/04/96	6	31	
BUFF0231	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	6	56	
BUFF0134	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/09/86-04/09/86	0	1	
BUFF0139	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/09/86-04/09/86	0	1	
BUFF0232	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/16/86-04/16/86	0	1	
BUFF0233	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/16/86-04/16/86	0	1	
BUFF0016	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/12/63-05/18/95	31	5	
BUFF0038	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/13/63	13	39	
BUFF0046	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/04/79-10/25/82	2	8	
BUFF0070	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/17/64-11/17/64	0	1	
BUFF0074	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/23/93-07/23/93	0	1	
BUFF0078	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	46	68	S
BUFF0099	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/94-05/16/95	0	3	
BUFF0110	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/94-08/24/94	0	2	
BUFF0131	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/22/93-07/22/93	0	1	
BUFF0134	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/09/86-04/09/86	0	1	
BUFF0139	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/09/86-04/09/86	0	1	
BUFF0160	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/14/63-08/14/63	0	1	
BUFF0161	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/18/64-11/18/64	0	1	
BUFF0170	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/94-05/15/95	0	3	
BUFF0180	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/28/93-08/22/96	3	34	
BUFF0232	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/16/86-04/16/86	0	1	
BUFF0233	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/16/86-04/16/86	0	1	
BUFF0016	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/12/63-05/18/95	31	5	
BUFF0038	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/13/63	13	39	
BUFF0046	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/04/79-10/25/82	2	8	
BUFF0070	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/17/64-11/17/64	0	1	
BUFF0074	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/23/93-07/23/93	0	1	
BUFF0078	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	46	69	S
BUFF0099	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/17/94-05/16/95	0	3	
BUFF0110	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/17/94-08/24/94	0	2	
BUFF0131	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/22/93-07/22/93	0	1	
BUFF0134	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/09/86-04/09/86	0	1	
BUFF0139	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/09/86-04/09/86	0	1	
BUFF0160	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/14/63-08/14/63	0	1	
BUFF0161	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/18/64-11/18/64	0	1	
BUFF0170	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/16/94-05/15/95	0	3	
BUFF0180	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/16/94-05/15/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0225	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/28/93-08/22/96	3	34	
BUFF0232	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/16/86-04/16/86	0	1	
BUFF0233	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/16/86-04/16/86	0	1	
BUFF0016	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/17/94-05/18/95	1	3	
BUFF0050	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/04/79-07/14/81	1	6	
BUFF0074	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/23/93-07/23/93	0	2	
BUFF0080	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/06/93-08/21/95	2	17	
BUFF0131	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/22/93-07/22/93	0	2	
BUFF0180	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/16/94-05/15/95	0	2	
BUFF0225	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/93-08/23/95	2	18	
BUFF0050	Yes	01001	ARSENIC, SUSPENDED (UG/L AS AS)	12/04/79-07/14/81	1	6	
BUFF0008	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/14/85-05/03/88	2	6	
BUFF0034	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/85-05/03/88	3	8	
BUFF0049	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/85-05/03/88	3	8	
BUFF0050	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	12/04/79-07/14/81	1	6	
BUFF0077	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/28/87-05/03/88	1	6	
BUFF0080	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/74-09/14/82	8	53	
BUFF0083	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/78-09/14/82	4	31	
BUFF0100	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/28/87-05/03/88	1	5	
BUFF0136	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/74-01/24/78	3	24	
BUFF0145	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/85-05/03/88	3	8	
BUFF0153	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/28/87-05/03/88	1	6	
BUFF0160	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/19/82-05/19/82	0	1	
BUFF0186	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/85-05/03/88	3	8	
BUFF0190	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	02/03/88-02/03/88	0	1	
BUFF0231	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/85-05/03/88	3	8	
BUFF0083	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/17/78-10/08/81	2	4	
BUFF0136	Yes	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	05/23/84-05/23/84	0	1	
BUFF0016	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/17/94-05/18/95	1	3	
BUFF0050	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/04/79-07/14/81	1	6	
BUFF0071	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	04/03/95-10/01/96	1	5	
BUFF0074	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/23/93-07/23/93	0	2	
BUFF0078	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/06/93-08/21/95	2	17	
BUFF0083	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	02/14/95-11/19/96	1	20	
BUFF0131	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/22/93-07/22/93	0	2	
BUFF0180	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	04/28/93-08/23/95	2	17	
BUFF0050	Yes	01006	BARIUM, SUSPENDED (UG/L AS BA)	12/04/79-07/14/81	1	6	
BUFF0050	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	12/04/79-07/14/81	1	6	
BUFF0016	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/17/94-05/18/95	1	3	
BUFF0071	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	04/03/95-10/01/96	1	5	
BUFF0074	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/23/93-07/23/93	0	2	
BUFF0078	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/06/93-08/21/95	2	17	
BUFF0083	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/14/95-11/19/96	1	20	
BUFF0131	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/22/93-07/22/93	0	2	
BUFF0180	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	04/28/93-08/23/95	2	17	
BUFF0050	Yes	01020	BORON, DISSOLVED (UG/L AS B)	12/04/79-07/14/81	1	6	
BUFF0071	No	01020	BORON, DISSOLVED (UG/L AS B)	07/24/95-10/01/96	1	4	
BUFF0078	No	01020	BORON, DISSOLVED (UG/L AS B)	06/14/95-06/14/95	0	1	
BUFF0083	Yes	01020	BORON, DISSOLVED (UG/L AS B)	04/11/95-11/19/96	1	18	
BUFF0016	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/20/74-03/06/75	0	4	
BUFF0029	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0033	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/20/74-03/06/75	0	4	
BUFF0034	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0035	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-05/20/74	0	2	
BUFF0042	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-12/10/75	1	9	
BUFF0049	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0050	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-03/06/75	0	6	
BUFF0062	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0071	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0074	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/23/93-07/23/93	0	2	
BUFF0076	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-12/10/75	1	10	

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Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0077	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0078	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/23/90-08/21/95	4	47	
BUFF0083	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	6	60	
BUFF0100	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0116	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-04/11/94	2	2	
BUFF0131	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/22/93-07/22/93	0	2	
BUFF0140	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0144	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-09/19/75	1	7	
BUFF0145	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0149	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0157	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-12/10/75	1	9	
BUFF0159	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-03/06/75	0	6	
BUFF0180	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0190	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0191	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-03/06/75	0	4	
BUFF0218	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0220	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/93-08/23/95	2	17	
BUFF0229	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0231	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0027	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-06/17/74	0	2	
BUFF0033	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-06/17/74	0	2	
BUFF0035	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	06/17/74-12/20/74	0	2	
BUFF0036	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	0	3	
BUFF0050	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/04/79-08/26/80	0	4	
BUFF0052	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	0	3	
BUFF0076	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	0	3	
BUFF0144	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	0	3	
BUFF0157	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	0	3	
BUFF0159	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	0	3	
BUFF0194	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	06/17/74-12/20/74	0	2	
BUFF0220	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	0	3	
BUFF0008	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	09/14/85-10/17/89	4	8	
BUFF0029	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0034	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/12/85-05/14/91	6	11	
BUFF0049	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/12/85-05/14/91	6	11	
BUFF0050	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	12/04/79-10/25/82	2	8	
BUFF0062	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/91-05/14/91	0	1	
BUFF0068	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/13/83-06/10/86	2	21	
BUFF0069	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/13/83-06/10/86	2	21	
BUFF0072	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/19/91-05/19/91	0	1	
BUFF0077	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/28/87-05/14/91	4	9	
BUFF0080	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	19	155	T,A
BUFF0083	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	16	131	T,A
BUFF0100	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/28/87-05/13/91	4	8	
BUFF0116	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0136	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-11/23/87	13	32	
BUFF0140	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0145	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/85-05/13/91	6	11	
BUFF0149	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/28/87-08/26/91	4	10	
BUFF0186	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/85-05/13/91	6	11	
BUFF0190	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	02/03/88-05/13/91	3	2	
BUFF0218	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0229	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	0	1	
BUFF0231	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/85-05/13/91	6	11	
BUFF0001	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0006	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0020	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0022	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0023	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0024	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0027	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/04/73-03/26/75	2	9	
BUFF0028	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/19/75	2	3	
BUFF0030	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0033	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0037	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/24/73-06/24/73	0	1	
BUFF0039	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0041	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0043	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0054	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0079	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/04/73-07/03/73	0	2	
BUFF0083	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/80-08/02/83	2	3	
BUFF0085	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0136	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/23/84-05/23/84	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0137	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	2	8	
BUFF0146	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	11	
BUFF0158	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	1	8	
BUFF0162	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	11	
BUFF0221	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0001	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0010	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0020	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0022	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0023	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0024	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0027	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	1	8	
BUFF0028	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/19/75	2	2	
BUFF0030	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0033	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0039	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0041	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0083	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/80-08/02/83	2	3	
BUFF0085	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0136	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/23/84-05/23/84	0	1	
BUFF0137	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0142	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0016	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-03/06/75	0	4	
BUFF0029	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0033	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-03/06/75	0	4	
BUFF0034	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0035	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/17/74-09/19/75	1	5	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0036	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-05/20/74	0	1	
BUFF0042	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-12/10/75	1	8	
BUFF0049	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0050	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-03/06/75	0	5	
BUFF0062	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0071	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0074	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/23/93-07/23/93	0	2	
BUFF0076	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-12/10/75	1	9	
BUFF0077	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0078	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/23/90-08/21/95	4	45	
BUFF0083	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	6	56	
BUFF0100	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0116	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-04/11/94	2	2	
BUFF0131	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/22/93-07/22/93	0	2	
BUFF0140	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0144	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-09/19/75	1	6	
BUFF0145	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0149	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0157	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-12/10/75	1	8	
BUFF0159	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-03/06/75	0	5	
BUFF0180	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0190	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0191	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/17/74-03/06/75	0	3	
BUFF0218	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0220	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-12/10/75	1	7	
BUFF0225	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/28/93-08/23/95	2	17	
BUFF0229	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0231	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0027	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-06/17/74	0	2	
BUFF0033	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-06/17/74	0	2	
BUFF0035	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	06/17/74-12/20/74	0	2	
BUFF0036	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	0	3	
BUFF0050	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/04/79-10/25/82	2	7	
BUFF0052	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	0	3	
BUFF0076	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	0	3	
BUFF0144	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	0	3	
BUFF0157	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	0	3	
BUFF0159	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	0	3	
BUFF0194	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	06/17/74-12/20/74	0	2	
BUFF0220	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	0	3	
BUFF0008	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/14/85-05/03/88	2	6	
BUFF0029	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0034	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/85-05/14/91	6	9	
BUFF0049	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/85-05/14/91	6	9	
BUFF0050	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/04/79-10/25/82	2	8	
BUFF0062	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/91-05/14/91	0	1	
BUFF0068	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/13/83-06/10/86	2	23	
BUFF0069	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/13/83-06/10/86	2	23	
BUFF0072	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/19/91-05/19/91	0	1	
BUFF0077	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/28/87-05/14/91	4	7	
BUFF0080	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	19	139	T,A
BUFF0083	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	15	119	T
BUFF0100	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/28/87-05/13/91	4	6	
BUFF0116	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0136	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-11/23/87	13	27	
BUFF0140	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0145	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/85-05/13/91	6	9	
BUFF0149	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/28/87-08/26/91	4	8	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0160	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/19/82-05/19/82	0	1	
BUFF0186	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/85-05/13/91	6	9	
BUFF0190	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/03/88-05/13/91	3	2	
BUFF0218	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0229	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	0	1	
BUFF0231	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/85-05/13/91	6	9	
BUFF0016	No	01035	COBALT, DISSOLVED (UG/L AS CO)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-03/06/75	0	4	
BUFF0033	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-03/06/75	0	4	
BUFF0035	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-05/20/74	0	1	
BUFF0042	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-12/10/75	1	8	
BUFF0050	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-03/06/75	0	5	
BUFF0071	No	01035	COBALT, DISSOLVED (UG/L AS CO)	04/03/95-10/01/96	1	5	
BUFF0074	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	07/23/93-07/23/93	0	2	
BUFF0076	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-12/10/75	1	9	
BUFF0078	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/06/93-08/21/95	2	17	
BUFF0083	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	02/14/95-11/19/96	1	20	
BUFF0131	No	01035	COBALT, DISSOLVED (UG/L AS CO)	07/22/93-07/22/93	0	2	
BUFF0144	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-09/19/75	1	6	
BUFF0157	No	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-12/10/75	1	8	
BUFF0159	No	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-03/06/75	0	5	
BUFF0180	No	01035	COBALT, DISSOLVED (UG/L AS CO)	05/16/94-05/15/95	0	3	
BUFF0191	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	06/17/74-03/06/75	0	3	
BUFF0220	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-12/10/75	1	7	
BUFF0225	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	04/28/93-08/23/95	2	17	
BUFF0027	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-06/17/74	0	2	
BUFF0033	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-06/17/74	0	2	
BUFF0035	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	06/17/74-12/20/74	0	2	
BUFF0036	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	0	3	
BUFF0050	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	12/04/79-10/25/82	2	5	
BUFF0052	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	0	3	
BUFF0076	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	0	3	
BUFF0144	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	0	3	
BUFF0157	No	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	0	3	
BUFF0159	No	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	0	3	
BUFF0194	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	06/17/74-12/20/74	0	2	
BUFF0220	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	0	3	
BUFF0008	Yes	01037	COBALT, TOTAL (UG/L AS CO)	09/14/85-10/17/89	4	8	
BUFF0034	Yes	01037	COBALT, TOTAL (UG/L AS CO)	04/12/85-10/17/89	4	10	
BUFF0049	Yes	01037	COBALT, TOTAL (UG/L AS CO)	04/12/85-10/17/89	4	10	
BUFF0050	Yes	01037	COBALT, TOTAL (UG/L AS CO)	12/04/79-10/25/82	2	8	
BUFF0077	Yes	01037	COBALT, TOTAL (UG/L AS CO)	01/28/87-10/17/89	2	8	
BUFF0100	Yes	01037	COBALT, TOTAL (UG/L AS CO)	01/28/87-10/17/89	2	7	
BUFF0145	Yes	01037	COBALT, TOTAL (UG/L AS CO)	04/08/85-10/17/89	4	10	
BUFF0153	Yes	01037	COBALT, TOTAL (UG/L AS CO)	01/28/87-10/17/89	2	8	
BUFF0186	Yes	01037	COBALT, TOTAL (UG/L AS CO)	04/08/85-10/17/89	4	10	
BUFF0190	Yes	01037	COBALT, TOTAL (UG/L AS CO)	02/03/88-02/03/88	0	1	
BUFF0231	Yes	01037	COBALT, TOTAL (UG/L AS CO)	04/08/85-10/17/89	4	10	
BUFF0001	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0020	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0022	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0023	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0024	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0027	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-03/26/75	1	8	
BUFF0028	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-07/19/75	2	2	
BUFF0030	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0033	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0039	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0041	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0085	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0166	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0083	Yes	01039	COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	01039	COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	05/23/84-05/23/84	0	1	
BUFF0016	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/74-03/06/75	0	4	
BUFF0029	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0033	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/74-03/06/75	0	4	
BUFF0034	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0035	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-05/20/74	0	2	
BUFF0042	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-12/10/75	1	9	
BUFF0049	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0050	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-03/06/75	0	6	
BUFF0062	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0071	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0074	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	07/23/93-07/23/93	0	2	
BUFF0076	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-12/10/75	1	10	
BUFF0077	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0078	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/14/95-06/14/95	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0080	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	10/23/90-08/21/95	4	49	
BUFF0083	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	6	63	
BUFF0100	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0116	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-04/11/94	2	2	
BUFF0131	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/22/93-07/22/93	0	2	
BUFF0140	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0144	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-09/19/75	1	7	
BUFF0145	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0149	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0157	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-12/10/75	1	9	
BUFF0159	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-03/06/75	0	6	
BUFF0180	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0190	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0191	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-03/06/75	0	4	
BUFF0218	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0220	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	04/28/93-08/23/95	2	17	
BUFF0229	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0231	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0027	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-05/21/74	0	1	
BUFF0033	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-05/21/74	0	1	
BUFF0035	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	12/20/74-12/20/74	0	1	
BUFF0036	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	0	2	
BUFF0050	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	12/04/79-10/25/82	2	7	
BUFF0052	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	0	2	
BUFF0076	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	0	2	
BUFF0144	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	0	2	
BUFF0157	No	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	0	2	
BUFF0159	No	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	0	2	
BUFF0194	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	12/20/74-12/20/74	0	1	
BUFF0220	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	0	2	
BUFF0008	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/14/85-10/17/89	4	8	
BUFF0029	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0034	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/12/85-05/14/91	6	11	
BUFF0049	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/12/85-05/14/91	6	11	
BUFF0050	Yes	01042	COPPER, TOTAL (UG/L AS CU)	12/04/79-10/25/82	2	8	
BUFF0062	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/14/91-05/14/91	0	1	
BUFF0068	No	01042	COPPER, TOTAL (UG/L AS CU)	12/13/83-06/10/86	2	22	
BUFF0069	No	01042	COPPER, TOTAL (UG/L AS CU)	12/13/83-06/10/86	2	22	
BUFF0072	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/19/91-05/19/91	0	1	
BUFF0077	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/28/87-05/14/91	4	9	
BUFF0080	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	19	171	T,A
BUFF0083	Yes	01042	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	16	132	T,A
BUFF0100	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/28/87-05/13/91	4	8	
BUFF0116	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0136	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	13	48	
BUFF0140	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0145	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/08/85-05/13/91	6	11	
BUFF0149	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/28/87-08/26/91	4	10	
BUFF0160	No	01042	COPPER, TOTAL (UG/L AS CU)	05/19/82-05/19/82	0	1	
BUFF0186	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/08/85-05/13/91	6	11	
BUFF0190	Yes	01042	COPPER, TOTAL (UG/L AS CU)	02/03/88-05/13/91	3	2	
BUFF0218	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0229	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	0	1	
BUFF0231	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/08/85-05/13/91	6	11	
BUFF0001	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0010	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0020	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0022	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0023	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0024	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0027	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-03/26/75	1	8	
BUFF0028	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-07/19/75	2	2	
BUFF0030	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0033	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0039	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0041	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0085	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0144	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0027	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-03/06/75	0	4	
BUFF0033	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-03/06/75	0	4	
BUFF0035	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-12/10/75	1	8	
BUFF0050	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	12/04/79-07/14/81	1	6	
BUFF0052	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-03/06/75	0	5	
BUFF0076	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-12/10/75	1	9	
BUFF0144	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-09/19/75	1	6	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0157	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-12/10/75	1	8	
BUFF0159	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-03/06/75	0	5	
BUFF0191	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	08/19/74-08/19/74	0	1	
BUFF0192	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	07/18/75-07/18/75	0	1	
BUFF0194	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	06/17/74-03/06/75	0	3	
BUFF0220	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-12/10/75	1	7	
BUFF0008	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/14/85-10/17/89	4	8	
BUFF0034	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/12/85-10/17/89	4	10	
BUFF0049	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/12/85-10/17/89	4	10	
BUFF0050	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/04/79-10/25/82	2	8	
BUFF0053	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/13/71-07/15/71	0	3	
BUFF0077	Yes	01045	IRON, TOTAL (UG/L AS FE)	01/28/87-10/17/89	2	8	
BUFF0080	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	6	67	
BUFF0083	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/13/78-07/22/80	2	22	
BUFF0100	Yes	01045	IRON, TOTAL (UG/L AS FE)	01/28/87-10/17/89	2	7	
BUFF0116	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/15/87-08/19/87	0	3	
BUFF0136	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/10/74-02/13/78	3	47	
BUFF0145	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/08/85-10/17/89	4	10	
BUFF0153	Yes	01045	IRON, TOTAL (UG/L AS FE)	01/28/87-10/17/89	2	9	
BUFF0155	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/07/71-07/20/71	0	4	
BUFF0160	No	01045	IRON, TOTAL (UG/L AS FE)	05/19/82-05/19/82	0	1	
BUFF0186	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/08/85-10/17/89	4	10	
BUFF0190	Yes	01045	IRON, TOTAL (UG/L AS FE)	02/03/88-02/03/88	0	1	
BUFF0231	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/08/85-10/17/89	4	10	
BUFF0016	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	05/20/74-03/06/75	0	4	
BUFF0033	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	05/20/74-03/06/75	0	4	
BUFF0035	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-05/20/74	0	2	
BUFF0038	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/01/58-09/21/59	0	37	
BUFF0042	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-12/10/75	1	9	
BUFF0046	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-03/06/75	0	6	
BUFF0071	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/09/95-10/01/96	1	6	
BUFF0074	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/23/93-07/23/93	0	1	
BUFF0076	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-12/10/75	1	10	
BUFF0078	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	42	66	S
BUFF0083	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/17/95-11/19/96	1	21	
BUFF0099	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	05/17/94-05/16/95	0	3	
BUFF0110	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/17/94-08/24/94	0	2	
BUFF0131	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/22/93-07/22/93	0	1	
BUFF0144	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-09/19/75	1	7	
BUFF0157	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-12/10/75	1	9	
BUFF0159	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-03/06/75	0	6	
BUFF0170	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/16/94-05/15/95	0	3	
BUFF0180	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/16/94-05/15/95	0	3	
BUFF0187	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/25/89-01/29/89	0	13	
BUFF0191	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-03/06/75	0	5	
BUFF0220	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	04/28/93-08/22/96	3	34	
BUFF0230	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/25/89-01/29/89	0	13	
BUFF0016	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/74-03/06/75	0	4	
BUFF0029	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0033	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/74-03/06/75	0	4	
BUFF0034	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0035	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/74-09/19/75	1	6	
BUFF0036	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-03/12/74	0	1	
BUFF0042	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-12/10/75	1	9	
BUFF0049	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0050	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-03/06/75	0	6	
BUFF0062	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0071	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0074	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	07/23/93-07/23/93	0	2	
BUFF0076	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-12/10/75	1	10	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0077	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0078	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/23/90-08/21/95	4	50	
BUFF0083	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	6	64	
BUFF0100	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0116	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-04/11/94	2	2	
BUFF0131	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/22/93-07/22/93	0	2	
BUFF0140	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0144	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-09/19/75	1	7	
BUFF0145	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0149	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0157	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-12/10/75	1	9	
BUFF0159	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-03/06/75	0	6	
BUFF0180	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0187	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	01/25/89-01/29/89	0	13	
BUFF0190	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0191	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-03/06/75	0	4	
BUFF0218	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0220	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	04/28/93-08/23/95	2	17	
BUFF0229	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0230	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	01/25/89-01/29/89	0	13	
BUFF0231	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0027	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-06/17/74	0	2	
BUFF0033	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-06/17/74	0	2	
BUFF0035	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	06/17/74-12/20/74	0	2	
BUFF0036	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	0	3	
BUFF0050	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	12/04/79-10/25/82	2	7	
BUFF0052	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	0	3	
BUFF0076	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	0	3	
BUFF0144	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	0	3	
BUFF0157	No	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	0	3	
BUFF0159	No	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	0	3	
BUFF0194	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	06/17/74-12/20/74	0	2	
BUFF0220	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	0	3	
BUFF0008	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/14/85-10/17/89	4	8	
BUFF0029	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0034	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/12/85-05/14/91	6	11	
BUFF0049	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/12/85-05/14/91	6	11	
BUFF0050	Yes	01051	LEAD, TOTAL (UG/L AS PB)	12/04/79-10/25/82	2	8	
BUFF0062	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/14/91-05/14/91	0	1	
BUFF0068	No	01051	LEAD, TOTAL (UG/L AS PB)	12/13/83-06/10/86	2	22	
BUFF0069	No	01051	LEAD, TOTAL (UG/L AS PB)	12/13/83-06/10/86	2	22	
BUFF0072	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/19/91-05/19/91	0	1	
BUFF0077	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/28/87-05/14/91	4	9	
BUFF0080	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	19	135	T,A
BUFF0083	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	15	123	T,A
BUFF0100	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/28/87-05/13/91	4	8	
BUFF0116	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0136	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	13	45	
BUFF0140	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0145	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/08/85-05/13/91	6	11	
BUFF0149	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/28/87-08/26/91	4	10	
BUFF0160	No	01051	LEAD, TOTAL (UG/L AS PB)	05/19/82-05/19/82	0	1	
BUFF0186	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/08/85-05/13/91	6	11	
BUFF0190	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/03/88-05/13/91	3	2	
BUFF0218	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0229	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	0	1	
BUFF0231	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/08/85-05/13/91	6	11	
BUFF0001	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0003	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0020	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0022	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0023	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0024	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0027	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-03/26/75	1	8	
BUFF0028	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-07/19/75	2	2	
BUFF0030	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0033	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0039	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0041	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0083	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/80-08/02/83	2	3	
BUFF0085	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0136	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/23/84-05/23/84	0	1	
BUFF0137	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0142	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/74-07/15/75	1	7	
BUFF0195	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0001	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0012	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0020	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0022	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0023	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0024	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0027	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	02/04/73-03/26/75	2	9	
BUFF0028	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/19/75	2	3	
BUFF0030	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0033	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0037	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/24/73-06/24/73	0	1	
BUFF0039	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0041	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	02/04/73-07/03/73	0	2	
BUFF0085	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-09/19/75	2	9	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0146	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0027	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-03/06/75	0	4	
BUFF0033	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-03/06/75	0	4	
BUFF0035	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-12/10/75	1	8	
BUFF0050	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	12/04/79-10/25/82	2	7	
BUFF0052	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-03/06/75	0	5	
BUFF0076	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-12/10/75	1	9	
BUFF0144	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-09/19/75	1	6	
BUFF0157	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-12/10/75	1	8	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0159	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-03/06/75	0	5	
BUFF0191	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/19/74-08/19/74	0	1	
BUFF0192	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/18/75-07/18/75	0	1	
BUFF0194	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/17/74-03/06/75	0	3	
BUFF0220	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-12/10/75	1	7	
BUFF0050	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	12/04/79-10/25/82	2	8	
BUFF0053	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/71-07/15/71	0	1	
BUFF0080	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	6	68	
BUFF0083	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/78-07/22/80	2	23	
BUFF0136	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-02/13/78	3	48	
BUFF0155	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/71-07/20/71	0	1	
BUFF0160	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/19/82-05/19/82	0	1	
BUFF0016	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/20/74-03/06/75	0	4	
BUFF0033	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/20/74-03/06/75	0	4	
BUFF0035	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-05/20/74	0	2	
BUFF0042	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-12/10/75	1	9	
BUFF0046	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/94-05/17/95	0	3	
BUFF0050	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-03/06/75	0	6	
BUFF0071	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/09/95-10/01/96	1	6	
BUFF0074	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/93-07/23/93	0	2	
BUFF0076	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-12/10/75	1	10	
BUFF0078	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/06/93-08/21/96	3	36	
BUFF0083	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/17/95-11/19/96	1	21	
BUFF0099	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/17/94-05/16/95	0	3	
BUFF0110	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/17/94-08/24/94	0	2	
BUFF0131	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/22/93-07/22/93	0	2	
BUFF0134	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/09/86-04/09/86	0	1	
BUFF0139	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/09/86-04/09/86	0	1	
BUFF0144	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-09/19/75	1	7	
BUFF0157	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-12/10/75	1	9	
BUFF0159	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-03/06/75	0	6	
BUFF0170	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/16/94-05/15/95	0	3	
BUFF0180	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/16/94-05/15/95	0	3	
BUFF0187	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/25/89-01/29/89	0	13	
BUFF0191	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-03/06/75	0	4	
BUFF0220	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/93-08/22/96	3	35	
BUFF0230	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/25/89-01/29/89	0	13	
BUFF0232	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/86-04/16/86	0	1	
BUFF0233	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/86-04/16/86	0	1	
BUFF0016	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/17/94-05/18/95	1	3	
BUFF0074	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/23/93-07/23/93	0	2	
BUFF0078	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/06/93-08/21/95	2	17	
BUFF0131	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/22/93-07/22/93	0	2	
BUFF0180	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	04/28/93-08/23/95	2	17	
BUFF0016	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-03/06/75	0	4	
BUFF0033	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-03/06/75	0	4	
BUFF0035	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-05/20/74	0	1	
BUFF0042	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-12/10/75	1	8	
BUFF0050	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/16/82-10/25/82	0	2	
BUFF0052	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-03/06/75	0	5	
BUFF0071	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	04/03/95-10/01/96	1	5	
BUFF0074	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/23/93-07/23/93	0	2	
BUFF0076	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-12/10/75	1	9	
BUFF0078	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/06/93-08/21/95	2	17	
BUFF0083	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	02/14/95-11/19/96	1	20	
BUFF0131	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/22/93-07/22/93	0	2	
BUFF0144	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-09/19/75	1	6	
BUFF0157	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-12/10/75	1	8	
BUFF0159	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-03/06/75	0	5	
BUFF0180	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/16/94-05/15/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0191	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/17/74-03/06/75	0	3	
BUFF0220	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-12/10/75	1	7	
BUFF0225	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	04/28/93-08/23/95	2	17	
BUFF0027	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-06/17/74	0	2	
BUFF0033	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-06/17/74	0	2	
BUFF0035	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	06/17/74-12/20/74	0	2	
BUFF0036	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	0	3	
BUFF0050	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	10/25/82-10/25/82	0	1	
BUFF0052	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	0	3	
BUFF0076	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	0	3	
BUFF0144	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	0	3	
BUFF0157	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	0	3	
BUFF0159	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	0	3	
BUFF0194	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	06/17/74-12/20/74	0	2	
BUFF0220	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	0	3	
BUFF0008	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	09/14/85-10/17/89	4	8	
BUFF0034	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/12/85-10/17/89	4	10	
BUFF0049	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/12/85-10/17/89	4	10	
BUFF0050	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	09/16/82-10/25/82	0	2	
BUFF0077	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/28/87-10/17/89	2	8	
BUFF0100	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/28/87-10/17/89	2	7	
BUFF0145	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/08/85-10/17/89	4	10	
BUFF0153	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/28/87-10/17/89	2	8	
BUFF0160	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/19/82-05/19/82	0	1	
BUFF0186	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/08/85-10/17/89	4	10	
BUFF0190	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	02/03/88-02/03/88	0	1	
BUFF0231	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/08/85-10/17/89	4	10	
BUFF0001	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0020	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0022	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0023	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0024	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0027	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	1	8	
BUFF0028	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/19/75	2	2	
BUFF0030	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0033	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0039	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0041	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0066	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0085	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0199	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0016	No	01075	SILVER, DISSOLVED (UG/L AS AG)	05/17/94-05/18/95	1	3	
BUFF0050	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	12/04/79-10/25/82	2	8	
BUFF0074	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	07/23/93-07/23/93	0	2	
BUFF0078	No	01075	SILVER, DISSOLVED (UG/L AS AG)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	05/06/93-08/21/95	2	17	
BUFF0131	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/22/93-07/22/93	0	2	
BUFF0180	No	01075	SILVER, DISSOLVED (UG/L AS AG)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	04/28/93-08/23/95	2	17	
BUFF0050	Yes	01076	SILVER, SUSPENDED (UG/L AS AG)	12/04/79-07/14/81	1	6	
BUFF0008	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/14/85-05/03/88	2	6	
BUFF0034	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/12/85-05/03/88	3	8	
BUFF0049	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/12/85-05/03/88	3	8	
BUFF0050	Yes	01077	SILVER, TOTAL (UG/L AS AG)	12/04/79-10/25/82	2	8	
BUFF0077	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/28/87-05/03/88	1	6	
BUFF0100	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/28/87-03/28/88	1	4	
BUFF0145	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/08/85-05/03/88	3	8	
BUFF0153	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/28/87-05/03/88	1	6	
BUFF0186	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/08/85-05/03/88	3	8	
BUFF0190	Yes	01077	SILVER, TOTAL (UG/L AS AG)	02/03/88-02/03/88	0	1	
BUFF0231	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/08/85-05/03/88	3	8	
BUFF0016	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/17/94-09/12/94	0	2	
BUFF0027	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	2	
BUFF0033	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	2	
BUFF0035	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	3	
BUFF0042	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	3	
BUFF0052	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	3	
BUFF0076	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	3	
BUFF0078	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/06/93-08/17/94	1	10	
BUFF0144	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	3	
BUFF0157	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	3	
BUFF0159	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	0	3	
BUFF0180	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/16/94-08/22/94	0	2	
BUFF0191	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-08/20/74	0	1	
BUFF0194	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/24/74-03/06/75	0	2	
BUFF0220	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/24/74-03/06/75	0	2	
BUFF0225	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	04/28/93-08/15/94	1	9	
BUFF0027	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	2	
BUFF0033	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	2	
BUFF0035	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	3	
BUFF0042	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	3	
BUFF0052	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	3	
BUFF0076	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	3	
BUFF0144	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	3	
BUFF0157	No	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	3	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0159	No	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	0	3	
BUFF0191	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-08/19/74	0	1	
BUFF0194	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	12/20/74-03/06/75	0	2	
BUFF0220	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	12/20/74-03/06/75	0	2	
BUFF0016	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	05/17/94-09/12/94	0	2	
BUFF0071	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	04/03/95-10/01/96	1	5	
BUFF0078	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	05/06/93-08/17/94	1	10	
BUFF0083	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/14/95-11/19/96	1	20	
BUFF0180	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	05/16/94-08/22/94	0	2	
BUFF0225	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	04/28/93-08/15/94	1	9	
BUFF0016	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/17/94-05/18/95	1	3	
BUFF0027	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/74-03/06/75	0	4	
BUFF0029	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0031	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0033	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/74-03/06/75	0	4	
BUFF0034	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0035	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-05/20/74	0	2	
BUFF0042	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-12/10/75	1	9	
BUFF0049	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0050	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/79-10/25/82	2	8	
BUFF0052	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-03/06/75	0	6	
BUFF0062	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0071	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0074	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/23/93-07/23/93	0	2	
BUFF0076	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-12/10/75	1	10	
BUFF0077	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0078	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/19/90-08/21/95	4	44	
BUFF0083	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	6	56	
BUFF0100	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0116	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-04/11/94	2	2	
BUFF0131	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/22/93-07/22/93	0	2	
BUFF0140	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0144	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-09/19/75	1	7	
BUFF0145	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0149	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0157	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-12/10/75	1	9	
BUFF0159	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-03/06/75	0	6	
BUFF0180	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/16/94-05/15/95	0	3	
BUFF0186	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0187	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/25/89-01/29/89	0	13	
BUFF0191	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/20/74-08/20/74	0	1	
BUFF0192	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/15/75-08/15/75	0	1	
BUFF0194	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-03/06/75	0	4	
BUFF0218	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0220	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-12/10/75	1	8	
BUFF0225	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/28/93-08/23/95	2	17	
BUFF0230	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/25/89-01/29/89	0	13	
BUFF0231	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0027	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-03/06/75	0	4	
BUFF0033	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-03/06/75	0	4	
BUFF0035	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	06/17/74-09/19/75	1	5	
BUFF0036	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-05/21/74	0	1	
BUFF0042	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-12/10/75	1	8	
BUFF0050	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	12/04/79-10/25/82	2	7	
BUFF0052	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-03/06/75	0	5	
BUFF0076	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-12/10/75	1	9	
BUFF0144	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-09/19/75	1	6	
BUFF0157	No	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-12/10/75	1	8	
BUFF0159	No	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-03/06/75	0	5	
BUFF0191	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	08/19/74-08/19/74	0	1	
BUFF0192	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	07/18/75-07/18/75	0	1	
BUFF0194	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	06/17/74-03/06/75	0	3	
BUFF0220	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-12/10/75	1	7	
BUFF0008	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/14/85-10/17/89	4	8	
BUFF0029	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/14/91-05/14/91	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0031	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0034	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/12/85-05/14/91	6	11	
BUFF0049	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/12/85-05/14/91	6	11	
BUFF0050	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	12/04/79-10/25/82	2	8	
BUFF0062	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/14/91-05/14/91	0	1	
BUFF0068	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/13/83-06/10/86	2	18	
BUFF0069	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/13/83-06/10/86	2	18	
BUFF0072	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/19/91-05/19/91	0	1	
BUFF0077	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/28/87-05/14/91	4	9	
BUFF0080	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	15	159	T,A
BUFF0083	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	16	126	T,A
BUFF0100	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/28/87-05/13/91	4	8	
BUFF0116	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0122	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0136	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-11/23/87	13	48	
BUFF0140	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0145	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/08/85-05/13/91	6	11	
BUFF0149	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0151	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0153	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/28/87-08/26/91	4	9	
BUFF0160	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/19/82-05/19/82	0	1	
BUFF0186	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/08/85-05/13/91	6	11	
BUFF0190	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	02/03/88-02/03/88	0	1	
BUFF0218	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	0	1	
BUFF0231	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/08/85-05/13/91	6	11	
BUFF0001	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0020	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0022	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0023	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0024	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0027	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	02/04/73-03/26/75	2	9	
BUFF0028	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/19/75	2	3	
BUFF0030	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0033	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0037	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/24/73-06/24/73	0	1	
BUFF0039	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0041	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0055	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	02/04/73-07/03/73	0	2	
BUFF0085	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0087	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0189	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0203	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0016	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/18/95-05/18/95	0	1	
BUFF0074	Yes	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/23/93-07/23/93	0	2	
BUFF0080	Yes	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	10/19/94-08/21/95	0	7	
BUFF0131	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/22/93-07/22/93	0	2	
BUFF0180	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/15/95-05/15/95	0	1	
BUFF0225	Yes	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	10/17/94-08/23/95	0	8	
BUFF0013	Yes	01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	05/14/93-05/14/93	0	1	
BUFF0034	Yes	01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/12/85-04/12/85	0	1	
BUFF0049	Yes	01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/12/85-04/12/85	0	1	
BUFF0145	Yes	01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/08/85-04/08/85	0	1	
BUFF0186	Yes	01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/08/85-04/08/85	0	1	
BUFF0190	Yes	01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	02/03/88-02/03/88	0	1	
BUFF0231	Yes	01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/08/85-04/08/85	0	1	
BUFF0038	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/18/49-10/18/49	0	1	
BUFF0080	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/18/49-10/18/49	0	1	
BUFF0134	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/86-04/09/86	0	1	
BUFF0139	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/86-04/09/86	0	1	
BUFF0160	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/19/82-05/19/82	0	1	
BUFF0232	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/16/86-04/16/86	0	1	
BUFF0233	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/16/86-04/16/86	0	1	
BUFF0016	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/18/95-05/18/95	0	1	
BUFF0071	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/09/95-10/01/96	1	6	
BUFF0074	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/23/93-07/23/93	0	2	
BUFF0080	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/19/94-08/21/95	0	7	
BUFF0083	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/17/95-11/19/96	1	21	
BUFF0131	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/22/93-07/22/93	0	2	
BUFF0180	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/15/95-05/15/95	0	1	
BUFF0225	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/94-08/23/95	0	8	
BUFF0008	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	09/14/85-10/17/89	4	8	
BUFF0034	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/12/85-10/17/89	4	10	
BUFF0049	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/12/85-10/17/89	4	10	
BUFF0077	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	01/28/87-10/17/89	2	8	
BUFF0100	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	01/28/87-10/17/89	2	7	
BUFF0116	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	06/15/87-08/19/87	0	3	
BUFF0145	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/08/85-10/17/89	4	10	
BUFF0153	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	01/28/87-10/17/89	2	9	
BUFF0186	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/08/85-10/17/89	4	10	
BUFF0190	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	02/03/88-02/03/88	0	1	
BUFF0231	Yes	01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/08/85-10/17/89	4	10	
BUFF0016	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/17/94-09/12/94	0	2	
BUFF0027	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	2	
BUFF0033	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	2	
BUFF0035	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	3	
BUFF0042	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	3	
BUFF0052	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	3	
BUFF0076	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	3	
BUFF0078	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	06/14/95-06/14/95	0	1	
BUFF0080	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/06/93-08/17/94	1	10	
BUFF0144	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	3	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0157	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	3	
BUFF0159	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	0	3	
BUFF0180	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/16/94-08/22/94	0	2	
BUFF0191	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-08/20/74	0	1	
BUFF0194	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	12/24/74-03/06/75	0	2	
BUFF0220	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	12/24/74-03/06/75	0	2	
BUFF0225	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	04/28/93-08/15/94	1	9	
BUFF0027	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	2	
BUFF0033	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	2	
BUFF0035	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	3	
BUFF0042	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	3	
BUFF0052	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	3	
BUFF0076	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	3	
BUFF0144	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	3	
BUFF0157	No	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	3	
BUFF0159	No	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	0	3	
BUFF0191	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-08/19/74	0	1	
BUFF0194	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	12/20/74-03/06/75	0	2	
BUFF0220	Yes	01131	LITHIUM, SUSPENDED (UG/L AS LI)	12/20/74-03/06/75	0	2	
BUFF0016	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/17/94-05/18/95	1	3	
BUFF0050	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/04/79-07/14/81	1	6	
BUFF0074	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/23/93-07/23/93	0	2	
BUFF0080	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/06/93-08/21/95	2	17	
BUFF0131	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/22/93-07/22/93	0	2	
BUFF0180	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/93-08/23/95	2	17	
BUFF0050	Yes	01146	SELENIUM, SUSPENDED (UG/L AS SE)	12/04/79-07/14/81	1	6	
BUFF0050	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	12/04/79-07/14/81	1	6	
BUFF0080	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/14/80-09/14/82	1	23	
BUFF0083	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/14/80-09/14/82	1	23	
BUFF0001	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	0	1	
BUFF0023	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	0	1	
BUFF0040	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	0	1	
BUFF0001	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0002	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0003	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0004	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0005	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0006	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0010	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0011	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0012	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0014	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0018	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0019	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0020	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0022	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0023	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0024	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0025	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	0	1	
BUFF0026	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0027	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	02/04/73-03/26/75	2	9	
BUFF0028	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/19/75	2	3	
BUFF0030	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0032	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0033	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/09/73-03/26/75	1	7	
BUFF0035	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-09/19/75	2	10	
BUFF0037	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/24/73-06/24/73	0	1	
BUFF0039	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0040	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	0	2	
BUFF0041	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0042	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-12/10/75	2	13	
BUFF0043	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0044	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0045	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0048	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0052	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-03/26/75	1	10	
BUFF0054	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0055	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0056	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0057	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	0	1	
BUFF0058	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0059	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0060	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0061	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0063	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0066	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	0	1	
BUFF0076	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-12/10/75	2	14	
BUFF0079	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	02/04/73-07/03/73	0	2	
BUFF0085	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0087	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0089	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0090	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0091	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0092	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0093	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0094	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0095	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0096	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0097	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0098	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0103	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0104	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0105	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0106	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0107	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0111	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0117	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0119	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0120	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0121	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0125	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0126	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0128	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0129	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0132	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0133	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0135	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0137	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0141	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0142	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0143	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0144	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-09/19/75	2	9	
BUFF0146	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0147	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0148	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0152	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0154	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0157	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0158	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0159	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-03/26/75	1	9	
BUFF0162	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0164	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0165	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0166	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0167	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0168	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0172	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0173	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0174	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0175	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0176	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0177	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0178	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0181	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0182	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0183	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	0	1	
BUFF0184	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0185	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0188	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	

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Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0189	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0192	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/18/75-07/18/75	0	1	
BUFF0193	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0194	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/12/74-07/15/75	1	7	
BUFF0195	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0196	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0197	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0198	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0199	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0200	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0201	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0202	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0203	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0204	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0205	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-07/15/75	0	2	
BUFF0206	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0207	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0208	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0209	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0210	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	0	1	
BUFF0211	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0212	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0213	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0214	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0215	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0216	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0217	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0219	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0220	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-12/10/75	2	12	
BUFF0221	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0222	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0223	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0224	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0227	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0228	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	0	1	
BUFF0016	No	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-05/08/95	0	2	
BUFF0099	Yes	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0170	No	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	1	4	
BUFF0074	Yes	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	07/23/93-07/23/93	0	1	
BUFF0131	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	07/22/93-07/22/93	0	1	
BUFF0016	No	22703	URANIUM, NATURAL, DISSOLVED	05/18/95-05/18/95	0	1	
BUFF0074	Yes	22703	URANIUM, NATURAL, DISSOLVED	07/23/93-07/23/93	0	2	
BUFF0080	Yes	22703	URANIUM, NATURAL, DISSOLVED	10/19/94-08/21/95	0	7	
BUFF0131	No	22703	URANIUM, NATURAL, DISSOLVED	07/22/93-07/22/93	0	2	
BUFF0180	No	22703	URANIUM, NATURAL, DISSOLVED	05/15/95-05/15/95	0	1	
BUFF0225	Yes	22703	URANIUM, NATURAL, DISSOLVED	10/17/94-08/23/95	0	8	
BUFF0007	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/14/85-09/27/87	2	3	
BUFF0008	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/19/85-03/28/88	2	6	
BUFF0009	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/14/85-09/27/87	2	3	
BUFF0013	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/14/85-09/27/87	2	3	
BUFF0021	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/13/85-09/26/87	2	2	
BUFF0029	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/04/85-09/26/87	2	5	
BUFF0031	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/04/85-09/26/87	2	5	
BUFF0034	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/23/85-12/01/92	7	11	
BUFF0049	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/25/85-06/22/88	2	9	
BUFF0051	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/04/85-07/15/87	1	5	
BUFF0062	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/02/85-07/14/87	1	5	
BUFF0065	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/04/85-07/15/87	1	4	
BUFF0077	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/22/85-03/28/88	2	7	
BUFF0080	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/10/74-09/05/78	4	43	
BUFF0083	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/13/78-10/09/78	0	8	
BUFF0086	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/13/85-07/14/87	2	6	
BUFF0088	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/02/85-06/17/91	5	6	
BUFF0100	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/19/85-03/28/88	2	8	
BUFF0102	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/85-07/15/87	1	5	
BUFF0116	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/14/87-07/21/87	0	2	
BUFF0118	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/85-07/14/87	1	5	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0122	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/19/85-07/14/87	1	6	
BUFF0136	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/10/74-02/13/78	3	42	
BUFF0140	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/30/85-09/19/87	2	5	
BUFF0145	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-03/28/88	2	10	
BUFF0149	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/27/85-09/19/87	2	9	
BUFF0151	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/27/85-09/19/87	2	9	
BUFF0153	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/15/85-03/28/88	3	9	
BUFF0163	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/29/87-09/27/87	0	2	
BUFF0169	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/27/85-09/21/85	0	6	
BUFF0186	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-03/30/88	2	9	
BUFF0190	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-08/31/85	0	5	
BUFF0218	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/24/85-08/24/85	0	1	
BUFF0229	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-11/30/92	7	3	
BUFF0231	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-03/30/88	2	10	
BUFF0007	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	11	54	
BUFF0008	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	11	73	
BUFF0009	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	11	56	
BUFF0013	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	11	54	
BUFF0021	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/18/85-09/27/89	4	16	
BUFF0029	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	78	
BUFF0031	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	78	
BUFF0034	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	94	
BUFF0049	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	95	
BUFF0051	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	11	76	
BUFF0062	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	11	129	
BUFF0064	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	11	57	
BUFF0065	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	11	107	
BUFF0068	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/13/83-06/10/86	2	23	
BUFF0069	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/13/83-06/10/86	2	23	
BUFF0071	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/30/94-10/01/96	2	6	
BUFF0072	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	9	72	
BUFF0077	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	11	95	
BUFF0080	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	20	156	T,A,S
BUFF0083	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	19	144	T,A
BUFF0086	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	11	75	
BUFF0088	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	11	107	
BUFF0100	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	11	93	
BUFF0102	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	11	69	
BUFF0116	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	11	75	
BUFF0118	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	11	71	
BUFF0122	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	11	78	
BUFF0136	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-02/13/78	3	44	
BUFF0140	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	11	78	
BUFF0145	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	11	95	
BUFF0149	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	11	79	
BUFF0151	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	11	84	
BUFF0153	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	11	98	
BUFF0163	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-09/27/87	2	5	
BUFF0169	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	11	71	
BUFF0186	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	11	99	
BUFF0187	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/25/89-05/23/89	0	34	
BUFF0190	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	11	74	
BUFF0218	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	11	86	
BUFF0229	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	11	47	
BUFF0230	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/25/89-05/23/89	0	28	
BUFF0231	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	11	96	
BUFF0016	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-05/18/95	1	2	
BUFF0046	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/25/94-05/17/95	0	3	
BUFF0050	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/04/79-10/25/82	2	8	
BUFF0078	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	06/14/95-06/14/95	0	1	
BUFF0080	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/06/93-08/21/96	3	35	
BUFF0099	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-05/16/95	0	3	
BUFF0110	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-08/24/94	0	2	
BUFF0170	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/16/94-05/15/95	0	2	
BUFF0180	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/16/94-05/15/95	0	3	
BUFF0225	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	04/28/93-08/22/96	3	35	
BUFF0016	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/17/94-05/18/95	1	3	
BUFF0046	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/25/94-05/17/95	0	3	
BUFF0078	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	06/14/95-06/14/95	0	1	
BUFF0080	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	11/20/92-08/21/96	3	29	
BUFF0099	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/17/94-05/16/95	0	3	
BUFF0110	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/17/94-08/24/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0170	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/16/94-05/15/95	0	2	
BUFF0180	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/16/94-05/15/95	0	3	
BUFF0225	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/09/94-08/22/96	2	22	
BUFF0083	Yes	31648	E. COLI - MTEC-MF N0/100ML	04/25/91-04/07/97	5	20	
BUFF0008	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	0	1	
BUFF0016	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-05/18/95	1	3	
BUFF0034	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-12/01/92	4	3	
BUFF0046	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/94-05/17/95	0	3	
BUFF0049	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-06/22/88	0	2	
BUFF0050	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/04/79-10/25/82	2	8	
BUFF0077	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	0	1	
BUFF0078	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/14/95-06/14/95	0	1	
BUFF0080	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/06/93-08/21/96	3	36	
BUFF0086	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/13/85-05/13/85	0	1	
BUFF0099	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-05/16/95	0	3	
BUFF0100	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	0	1	
BUFF0110	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-08/24/94	0	2	
BUFF0145	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	0	1	
BUFF0153	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	0	1	
BUFF0170	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/16/94-05/15/95	0	3	
BUFF0180	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/16/94-05/15/95	0	3	
BUFF0186	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/30/88-03/30/88	0	1	
BUFF0218	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/24/85-08/24/85	0	1	
BUFF0225	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/28/93-08/22/96	3	35	
BUFF0229	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/30/92-11/30/92	0	1	
BUFF0231	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/30/88-03/30/88	0	1	
BUFF0080	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/01/75-01/17/77	1	16	
BUFF0136	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/21/74-01/17/77	2	20	
BUFF0083	Yes	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	03/13/78-08/02/83	5	31	
BUFF0136	Yes	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	02/13/78-10/05/82	4	3	
BUFF0083	Yes	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	03/13/78-08/02/83	5	40	
BUFF0136	Yes	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/13/78-10/05/82	4	3	
BUFF0083	Yes	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	03/13/78-08/02/83	5	29	
BUFF0136	Yes	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	02/13/78-10/05/82	4	3	
BUFF0083	Yes	32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	03/13/78-08/02/83	5	31	
BUFF0136	Yes	32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	02/13/78-10/05/82	4	3	
BUFF0083	Yes	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	03/13/78-08/02/83	5	36	
BUFF0136	Yes	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/13/78-10/05/82	4	3	
BUFF0083	Yes	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	03/13/78-08/02/83	5	31	
BUFF0136	Yes	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	06/08/77-10/05/82	5	4	
BUFF0083	Yes	32223	CHLOROPHYLL A MG/M2 SPECTROPHOTOMETRIC CORRECTED	06/19/79-06/19/79	0	1	
BUFF0136	Yes	32223	CHLOROPHYLL A MG/M2 SPECTROPHOTOMETRIC CORRECTED	06/08/77-06/08/77	0	1	
BUFF0083	Yes	32224	PHEOPHYTIN A MG/M2 SPECTROPHOTOMETRIC ACID METH	06/19/79-06/19/79	0	1	
BUFF0136	Yes	32224	PHEOPHYTIN A MG/M2 SPECTROPHOTOMETRIC ACID METH	06/08/77-06/08/77	0	1	
BUFF0083	Yes	32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	06/19/79-06/19/79	0	1	
BUFF0136	Yes	32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	06/08/77-06/08/77	0	1	
BUFF0083	Yes	32227	CHLOROPHYLL C, PERIPHYTON SPECTO, MG/M2	06/19/79-06/19/79	0	1	
BUFF0136	Yes	32227	CHLOROPHYLL C, PERIPHYTON SPECTO, MG/M2	06/08/77-06/08/77	0	1	
BUFF0083	Yes	32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	06/19/79-06/19/79	0	1	
BUFF0136	Yes	32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	06/08/77-06/08/77	0	1	
BUFF0074	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/23/93-07/23/93	0	1	
BUFF0131	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/22/93-07/22/93	0	1	
BUFF0016	No	34253	A-BHC-ALPHA DISSUG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	34253	A-BHC-ALPHA DISSUG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	34253	A-BHC-ALPHA DISSUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	34253	A-BHC-ALPHA DISSUG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	34253	A-BHC-ALPHA DISSUG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	34253	A-BHC-ALPHA DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	34253	A-BHC-ALPHA DISSUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	34253	A-BHC-ALPHA DISSUG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	34253	A-BHC-ALPHA DISSUG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	34253	A-BHC-ALPHA DISSUG/L	05/09/94-06/07/95	1	4	
BUFF0071	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	34351	ENDOSULFAN SULFATE TOTWUG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	34356	ENDOSULFAN, BETA TOTWUG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/25/95-07/25/95	0	1	
BUFF0016	No	34653	P,P'-DDE DISSUG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	34653	P,P'-DDE DISSUG/L	05/25/94-05/17/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0074	Yes	34653	P,P'-DDE DISSUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	34653	P,P'-DDE DISSUG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	34653	P,P'-DDE DISSUG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	34653	P,P'-DDE DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	34653	P,P'-DDE DISSUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	34653	P,P'-DDE DISSUG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	34653	P,P'-DDE DISSUG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	34653	P,P'-DDE DISSUG/L	05/09/94-06/07/95	1	4	
BUFF0083	Yes	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/17/78-10/08/81	2	7	
BUFF0136	Yes	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	05/23/84-05/23/84	0	1	
BUFF0083	Yes	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/17/78-10/08/81	2	7	
BUFF0083	Yes	34685	ENDRIN WET WGTTISMG/KG	10/17/78-10/08/81	2	7	
BUFF0136	Yes	34685	ENDRIN WET WGTTISMG/KG	05/23/84-05/23/84	0	1	
BUFF0083	Yes	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10/17/78-10/08/81	2	7	
BUFF0080	Yes	34790	SURFACTANTS, AS CTAS, WATER MG/L	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34790	SURFACTANTS, AS CTAS, WATER MG/L	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34795	ANTIMONY, BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34795	ANTIMONY, BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34800	ARSENIC, BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34800	ARSENIC, BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34805	BARIUM, BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34805	BARIUM, BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34810	BERYLLIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34810	BERYLLIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34816	BISMUTH,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34816	BISMUTH,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34825	CADMIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34825	CADMIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34830	CALCIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34830	CALCIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34835	CERIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34835	CERIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34840	COBALT,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34840	COBALT,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34845	CHROMIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34845	CHROMIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34850	COPPER,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34850	COPPER,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34855	EUROPIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34855	EUROPIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34860	GALLIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34860	GALLIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34870	GOLD,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34870	GOLD,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34875	HOLMIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34875	HOLMIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34880	IRON,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34880	IRON,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34885	LANTHANUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34885	LANTHANUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34890	LEAD,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34890	LEAD,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34895	LITHIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34895	LITHIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34900	MAGNESIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34900	MAGNESIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34905	MANGANESE,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34905	MANGANESE,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34910	MERCURY,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34910	MERCURY,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34915	MOLYBDENUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34915	MOLYBDENUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34920	NEODYMIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34920	NEODYMIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34925	NICKEL,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34925	NICKEL,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34930	NIOBIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34930	NIOBIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34935	PHOSPHORUS,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34935	PHOSPHORUS,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34940	POTASSIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34940	POTASSIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0080	Yes	34945	SCANDIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34945	SCANDIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34950	SELENIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34950	SELENIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34955	SILVER,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34955	SILVER,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34960	SODIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34960	SODIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34965	STRONTIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34965	STRONTIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34970	SULFUR,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34970	SULFUR,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34975	TANTALUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34975	TANTALUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34980	THORIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34980	THORIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	34985	TIN,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	34985	TIN,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	35000	URANIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	35000	URANIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	35005	VANADIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	35005	VANADIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	35010	YTTRIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	35010	YTTRIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	35015	YTTERBIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	35015	YTTERBIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0080	Yes	35020	ZINC,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	0	1	
BUFF0225	Yes	35020	ZINC,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	0	1	
BUFF0074	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/23/93-07/23/93	0	1	
BUFF0131	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/22/93-07/22/93	0	1	
BUFF0016	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/11/94-05/08/95	0	2	
BUFF0099	Yes	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	38478	LINURON WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38478	LINURON WATER,DISSUG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	38478	LINURON WATER,DISSUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38478	LINURON WATER,DISSUG/L	05/11/94-05/08/95	0	2	
BUFF0099	Yes	38478	LINURON WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38478	LINURON WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38478	LINURON WATER,DISSUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38478	LINURON WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38478	LINURON WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38478	LINURON WATER,DISSUG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	38482	MCPA WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38482	MCPA WATER,DISSUG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	38482	MCPA WATER,DISSUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38482	MCPA WATER,DISSUG/L	05/11/94-05/08/95	0	2	
BUFF0099	Yes	38482	MCPA WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38482	MCPA WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38482	MCPA WATER,DISSUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38482	MCPA WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38482	MCPA WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38482	MCPA WATER,DISSUG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	38487	MCPB WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38487	MCPB WATER,DISSUG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	38487	MCPB WATER,DISSUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38487	MCPB WATER,DISSUG/L	05/11/94-05/08/95	0	2	
BUFF0099	Yes	38487	MCPB WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38487	MCPB WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38487	MCPB WATER,DISSUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38487	MCPB WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38487	MCPB WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38487	MCPB WATER,DISSUG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	38501	METHIOCARB WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38501	METHIOCARB WATER,DISSUG/L	05/25/94-05/25/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0071	No	38501	METHIOCARB WATER,DISSUG/L	07/24/95-07/24/95	0	1	
BUFF0074	Yes	38501	METHIOCARB WATER,DISSUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38501	METHIOCARB WATER,DISSUG/L	05/11/94-05/08/95	0	2	
BUFF0083	Yes	38501	METHIOCARB WATER,DISSUG/L	06/13/95-06/13/95	0	1	
BUFF0099	Yes	38501	METHIOCARB WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38501	METHIOCARB WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38501	METHIOCARB WATER,DISSUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38501	METHIOCARB WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38501	METHIOCARB WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38501	METHIOCARB WATER,DISSUG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	38538	PROPOXUR WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38538	PROPOXUR WATER,DISSUG/L	05/25/94-05/25/94	0	1	
BUFF0071	No	38538	PROPOXUR WATER,DISSUG/L	07/24/95-07/24/95	0	1	
BUFF0074	Yes	38538	PROPOXUR WATER,DISSUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38538	PROPOXUR WATER,DISSUG/L	05/11/94-05/08/95	0	2	
BUFF0083	Yes	38538	PROPOXUR WATER,DISSUG/L	06/13/95-06/13/95	0	1	
BUFF0099	Yes	38538	PROPOXUR WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38538	PROPOXUR WATER,DISSUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38538	PROPOXUR WATER,DISSUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38538	PROPOXUR WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38538	PROPOXUR WATER,DISSUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38538	PROPOXUR WATER,DISSUG/L	05/09/94-05/09/94	0	1	
BUFF0071	No	38559	TERBUTHYLAZINE WATER, TOTUG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	38559	TERBUTHYLAZINE WATER, TOTUG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	38578	PROPAZINE, TOTAL, WATER UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	38578	PROPAZINE, TOTAL, WATER UG/L	07/25/95-07/25/95	0	1	
BUFF0016	No	38711	BENTAZON WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38711	BENTAZON WATER, DISUG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	38711	BENTAZON WATER, DISUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38711	BENTAZON WATER, DISUG/L	05/11/94-05/08/95	0	2	
BUFF0099	Yes	38711	BENTAZON WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38711	BENTAZON WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38711	BENTAZON WATER, DISUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38711	BENTAZON WATER, DISUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38711	BENTAZON WATER, DISUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38711	BENTAZON WATER, DISUG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	38746	2,4-DB WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38746	2,4-DB WATER, DISUG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	38746	2,4-DB WATER, DISUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38746	2,4-DB WATER, DISUG/L	05/11/94-05/08/95	0	2	
BUFF0099	Yes	38746	2,4-DB WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38746	2,4-DB WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38746	2,4-DB WATER, DISUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38746	2,4-DB WATER, DISUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38746	2,4-DB WATER, DISUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38746	2,4-DB WATER, DISUG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	38811	FLUOMETURON WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38811	FLUOMETURON WATER, DISUG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	38811	FLUOMETURON WATER, DISUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38811	FLUOMETURON WATER, DISUG/L	05/11/94-05/08/95	0	2	
BUFF0099	Yes	38811	FLUOMETURON WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38811	FLUOMETURON WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38811	FLUOMETURON WATER, DISUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38811	FLUOMETURON WATER, DISUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38811	FLUOMETURON WATER, DISUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38811	FLUOMETURON WATER, DISUG/L	05/09/94-05/09/94	0	1	
BUFF0071	No	38815	HEXAZINONE WATER, TOTUG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	38815	HEXAZINONE WATER, TOTUG/L	07/25/95-07/25/95	0	1	
BUFF0016	No	38866	OXAMYL WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	38866	OXAMYL WATER, DISUG/L	05/25/94-05/25/94	0	1	
BUFF0071	No	38866	OXAMYL WATER, DISUG/L	07/24/95-07/24/95	0	1	
BUFF0074	Yes	38866	OXAMYL WATER, DISUG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38866	OXAMYL WATER, DISUG/L	05/11/94-05/11/94	0	1	
BUFF0083	Yes	38866	OXAMYL WATER, DISUG/L	06/13/95-06/13/95	0	1	
BUFF0099	Yes	38866	OXAMYL WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	38866	OXAMYL WATER, DISUG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38866	OXAMYL WATER, DISUG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38866	OXAMYL WATER, DISUG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	38866	OXAMYL WATER, DISUG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	38866	OXAMYL WATER, DISUG/L	05/09/94-05/09/94	0	1	
BUFF0071	No	38887	TERBUTRYN WATER, TOTUG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	38887	TERBUTRYN WATER, TOTUG/L	07/25/95-07/25/95	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0016	No	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	38933	CHLORPYRIFOS,DISSOLVED UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	38933	CHLORPYRIFOS,DISSOLVED UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/09/94-06/07/95	1	4	
BUFF0050	Yes	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0071	No	39055	SIMAZINE IN WHOLE WATER (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39055	SIMAZINE IN WHOLE WATER (UG/L)	07/25/95-07/25/95	0	1	
BUFF0071	No	39056	PROMETONE IN WHOLE WATER (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39056	PROMETONE IN WHOLE WATER (UG/L)	07/25/95-07/25/95	0	1	
BUFF0071	No	39057	PROMETRYNE IN WHOLE WATER (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39057	PROMETRYNE IN WHOLE WATER (UG/L)	07/25/95-07/25/95	0	1	
BUFF0083	Yes	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	10/17/78-10/08/81	2	6	
BUFF0083	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/08/81-10/08/81	0	1	
BUFF0083	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/17/78-10/08/81	2	7	
BUFF0083	Yes	39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	10/09/80-08/02/83	2	3	
BUFF0083	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/17/78-10/08/81	2	7	
BUFF0083	Yes	39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	10/09/80-08/02/83	2	3	
BUFF0083	Yes	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/17/78-10/08/81	2	7	
BUFF0083	Yes	39070	CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	10/09/80-08/02/83	2	3	
BUFF0083	Yes	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/17/78-10/08/81	2	7	
BUFF0083	Yes	39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	10/09/80-08/02/83	2	3	
BUFF0083	Yes	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	05/23/84-05/23/84	0	1	
BUFF0016	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/17/94-05/18/95	1	3	
BUFF0046	Yes	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/25/94-05/17/95	0	3	
BUFF0080	Yes	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/06/93-08/21/96	3	36	
BUFF0099	Yes	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/17/94-05/16/95	0	3	
BUFF0110	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/17/94-08/24/94	0	2	
BUFF0170	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/16/94-05/15/95	0	3	
BUFF0180	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/16/94-05/15/95	0	3	
BUFF0225	Yes	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	04/28/93-08/22/96	3	34	
BUFF0083	Yes	39105	PERCENT FAT HEXANE EXTRACTION	10/17/78-10/17/78	0	1	
BUFF0069	No	39161	LASSO- (ALCHLOR) -UG/L	09/24/85-09/24/85	0	1	
BUFF0083	Yes	39161	LASSO- (ALCHLOR) -UG/L	11/27/78-09/10/85	6	13	
BUFF0136	Yes	39161	LASSO- (ALCHLOR) -UG/L	11/18/75-11/14/77	1	3	
BUFF0083	Yes	39162	2,4,5 TRI ISO OCTYL ESTER - UG/L	11/27/78-09/11/84	5	12	
BUFF0050	Yes	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	07/08/80-09/16/82	2	3	
BUFF0050	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0071	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0083	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39307	O P DDT IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39307	O P DDT IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	0	1	
BUFF0071	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0083	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0071	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0083	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	05/23/84-05/23/84	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0083	Yes	39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39325	O,P DDD IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	05/23/84-05/23/84	0	1	
BUFF0050	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0068	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0069	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0071	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0080	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	11	18	
BUFF0083	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	16	14	
BUFF0136	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	3	6	
BUFF0050	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	2	4	
BUFF0083	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0071	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/25/95-07/25/95	0	1	
BUFF0071	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/25/95-07/25/95	0	1	
BUFF0050	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/04/79-09/16/82	2	4	
BUFF0071	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/25/95-07/25/95	0	1	
BUFF0016	No	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/09/94-06/07/95	1	4	
BUFF0050	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/04/79-09/16/82	2	4	
BUFF0071	No	39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	07/25/95-07/25/95	0	1	
BUFF0050	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0080	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	2	
BUFF0136	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	3	
BUFF0050	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0068	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0069	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0080	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	11	18	
BUFF0083	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/10/85	6	13	
BUFF0136	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	3	6	
BUFF0050	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0068	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0069	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0080	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	11	18	
BUFF0083	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/10/85	6	13	
BUFF0136	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	3	6	
BUFF0050	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0068	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0069	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0071	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0080	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	11	18	
BUFF0083	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	16	14	
BUFF0136	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	3	6	
BUFF0016	No	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/18/95	1	2	
BUFF0046	Yes	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/17/95	0	2	
BUFF0074	Yes	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-06/05/95	1	4	
BUFF0099	Yes	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/16/95	0	2	
BUFF0110	No	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0131	No	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
BUFF0170	No	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	0	2	
BUFF0180	No	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0225	Yes	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-06/07/95	1	4	
BUFF0050	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/04/79-09/16/82	2	4	
BUFF0083	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/23/84-05/23/84	0	1	
BUFF0050	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0080	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	2	
BUFF0136	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	3	
BUFF0050	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0050	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0068	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0069	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0071	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0080	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	11	18	
BUFF0083	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	16	14	
BUFF0136	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	3	6	
BUFF0050	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	2	4	
BUFF0083	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0050	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0050	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0068	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0069	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0080	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	11	18	
BUFF0083	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/10/85	6	13	
BUFF0136	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	3	6	
BUFF0050	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/04/79-09/16/82	2	4	
BUFF0083	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	0	1	
BUFF0050	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0071	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0080	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	2	
BUFF0083	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0136	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	3	
BUFF0050	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	2	4	
BUFF0016	No	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/09/94-06/07/95	1	4	
BUFF0050	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0071	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0080	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	2	
BUFF0083	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0136	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	3	
BUFF0050	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0071	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0080	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	2	
BUFF0083	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0136	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	0	3	
BUFF0050	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	12/04/79-09/16/82	2	4	
BUFF0083	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39482	METHOXYCHLOR IN FISH - UG/KG	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39482	METHOXYCHLOR IN FISH - UG/KG	05/23/84-05/23/84	0	1	
BUFF0083	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/17/78-10/08/81	2	7	
BUFF0136	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	05/23/84-05/23/84	0	1	
BUFF0050	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0080	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/13/79-01/04/83	3	10	
BUFF0083	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/13/79-09/11/84	4	11	
BUFF0050	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/04/79-09/16/82	2	4	
BUFF0083	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0050	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0071	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0080	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-08/04/81	2	5	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0083	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	16	13	
BUFF0050	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0016	No	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/18/95	1	2	
BUFF0046	Yes	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/17/95	0	2	
BUFF0074	Yes	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-06/05/95	1	4	
BUFF0099	Yes	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/16/95	0	2	
BUFF0110	No	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0131	No	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
BUFF0170	No	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	0	2	
BUFF0180	No	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	0	2	
BUFF0225	Yes	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-06/07/95	1	4	
BUFF0050	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0016	No	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/18/95	1	2	
BUFF0046	Yes	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/17/95	0	2	
BUFF0074	Yes	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-06/05/95	1	4	
BUFF0099	Yes	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/16/95	0	2	
BUFF0110	No	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0131	No	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
BUFF0170	No	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	0	2	
BUFF0180	No	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	0	2	
BUFF0225	Yes	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-06/07/95	1	4	
BUFF0050	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0071	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0050	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0016	No	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/18/95	1	2	
BUFF0046	Yes	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/17/95	0	2	
BUFF0074	Yes	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-06/05/95	1	4	
BUFF0099	Yes	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/16/95	0	2	
BUFF0110	No	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0131	No	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
BUFF0170	No	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	0	2	
BUFF0180	No	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	0	2	
BUFF0225	Yes	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-06/07/95	1	4	
BUFF0050	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0068	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0069	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0071	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0080	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	11	18	
BUFF0083	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	16	14	
BUFF0136	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	3	6	
BUFF0050	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0071	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0016	No	39632	ATRAZINE DISSOLVED IN WATER PPB	05/17/94-05/18/95	1	2	
BUFF0046	Yes	39632	ATRAZINE DISSOLVED IN WATER PPB	05/25/94-05/17/95	0	2	
BUFF0074	Yes	39632	ATRAZINE DISSOLVED IN WATER PPB	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39632	ATRAZINE DISSOLVED IN WATER PPB	05/11/94-06/05/95	1	4	
BUFF0099	Yes	39632	ATRAZINE DISSOLVED IN WATER PPB	05/17/94-05/16/95	0	2	
BUFF0110	No	39632	ATRAZINE DISSOLVED IN WATER PPB	05/17/94-05/17/94	0	1	
BUFF0131	No	39632	ATRAZINE DISSOLVED IN WATER PPB	07/22/93-07/22/93	0	1	
BUFF0170	No	39632	ATRAZINE DISSOLVED IN WATER PPB	05/16/94-05/15/95	0	2	
BUFF0180	No	39632	ATRAZINE DISSOLVED IN WATER PPB	05/16/94-05/15/95	0	2	
BUFF0225	Yes	39632	ATRAZINE DISSOLVED IN WATER PPB	05/09/94-06/07/95	1	4	
BUFF0083	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0050	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	12/04/79-07/08/80	0	2	
BUFF0080	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	11/27/78-01/04/83	4	11	
BUFF0083	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/11/84	5	12	
BUFF0016	No	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0046	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/25/94	0	1	
BUFF0050	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	09/16/82-09/16/82	0	1	
BUFF0074	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-05/08/95	0	2	
BUFF0099	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0110	No	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0131	No	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
BUFF0170	No	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	0	1	
BUFF0180	No	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0225	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-05/09/94	0	1	
BUFF0050	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	12/04/79-07/08/80	0	2	
BUFF0016	No	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0046	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/25/94	0	1	
BUFF0050	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	09/16/82-09/16/82	0	1	
BUFF0074	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-05/08/95	0	2	
BUFF0099	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0110	No	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0131	No	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
BUFF0170	No	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	0	1	
BUFF0180	No	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	0	1	
BUFF0225	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-05/09/94	0	1	
BUFF0050	Yes	39755	MIREX, TOTAL (UG/L)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0050	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	12/04/79-07/08/80	0	2	
BUFF0016	No	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0046	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/25/94	0	1	
BUFF0050	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	09/16/82-09/16/82	0	1	
BUFF0074	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-05/08/95	0	2	
BUFF0099	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0110	No	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	0	1	
BUFF0131	No	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
BUFF0170	No	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	0	1	
BUFF0180	No	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	0	1	
BUFF0225	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-05/09/94	0	1	
BUFF0068	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0069	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	0	1	
BUFF0080	Yes	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	11	18	
BUFF0083	Yes	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/10/85	6	13	
BUFF0136	Yes	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	3	6	
BUFF0083	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	2	3	
BUFF0136	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	0	1	
BUFF0050	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0050	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	2	4	
BUFF0050	Yes	39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	1	2	
BUFF0016	No	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	49235	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49235	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49235	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49235	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49235	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49235	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49235	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49235	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49235	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49235	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49236	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49236	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49236	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49236	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49236	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49236	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49236	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49236	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49236	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49236	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0080	Yes	49237	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49237	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49237	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49238	INVALID PARAMETER	07/13/94-07/13/94	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0110	No	49238	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49238	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49239	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49239	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49239	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49240	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49240	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49240	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49241	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49241	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49241	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49242	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49242	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49242	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49243	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49243	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49243	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49244	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49244	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49244	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49245	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49245	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49245	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49246	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49246	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49246	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49247	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49247	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49247	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49248	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49248	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49248	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49249	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49249	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49249	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49250	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49250	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49250	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49251	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49251	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49251	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49252	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49252	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49252	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49253	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49253	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49253	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49254	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49254	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49254	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49255	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49255	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49255	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49257	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49257	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49257	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49258	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49258	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49258	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0016	No	49260	INVALID PARAMETER	05/18/95-05/18/95	0	1	
BUFF0046	Yes	49260	INVALID PARAMETER	05/17/95-05/17/95	0	1	
BUFF0080	Yes	49260	INVALID PARAMETER	04/10/95-06/05/95	0	3	
BUFF0099	Yes	49260	INVALID PARAMETER	05/16/95-05/16/95	0	1	
BUFF0170	No	49260	INVALID PARAMETER	05/15/95-05/15/95	0	1	
BUFF0180	No	49260	INVALID PARAMETER	05/15/95-05/15/95	0	1	
BUFF0225	Yes	49260	INVALID PARAMETER	04/11/95-06/07/95	0	3	
BUFF0080	Yes	49261	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49261	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49264	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49264	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49264	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49266	INVALID PARAMETER	07/13/94-07/13/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0225	Yes	49266	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49267	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49267	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49269	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49269	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49270	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49270	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49271	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49271	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49272	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49272	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49273	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49273	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49273	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49274	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49274	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49275	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49275	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49276	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49276	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49277	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49277	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49278	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49278	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49279	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49279	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49280	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49280	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49289	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49289	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49289	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0016	No	49291	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49291	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49291	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49291	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49291	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49291	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49291	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49291	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49291	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49291	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49292	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49292	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49292	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49292	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49292	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49292	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49292	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49292	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49292	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49292	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49293	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49293	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49293	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49293	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49293	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49293	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49293	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49293	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49293	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49293	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49294	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49294	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49294	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49294	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49294	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49294	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49294	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49294	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49294	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49294	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49295	INVALID PARAMETER	05/17/94-05/17/94	0	1	

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

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0046	Yes	49295	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0071	No	49295	INVALID PARAMETER	07/24/95-07/24/95	0	1	
BUFF0074	Yes	49295	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49295	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0083	Yes	49295	INVALID PARAMETER	06/13/95-06/13/95	0	1	
BUFF0099	Yes	49295	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49295	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49295	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49295	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49295	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49295	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49296	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49296	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0071	No	49296	INVALID PARAMETER	07/24/95-07/24/95	0	1	
BUFF0074	Yes	49296	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49296	INVALID PARAMETER	05/11/94-05/11/94	0	1	
BUFF0083	Yes	49296	INVALID PARAMETER	06/13/95-06/13/95	0	1	
BUFF0099	Yes	49296	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49296	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49296	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49296	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49296	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49296	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49297	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49297	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49297	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49297	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49297	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49297	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49297	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49297	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49297	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49297	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49298	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49298	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49298	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49298	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49298	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49298	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49298	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49298	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49298	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49298	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49299	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49299	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49299	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49299	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49299	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49299	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49299	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49299	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49299	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49299	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49300	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49300	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49300	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49300	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49300	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49300	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49300	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49300	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49300	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49300	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49301	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49301	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49301	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49301	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49301	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49301	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49301	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49301	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49301	INVALID PARAMETER	05/16/94-05/16/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0225	Yes	49301	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49302	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49302	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49302	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49302	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49302	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49302	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49302	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49302	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49302	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49302	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49303	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49303	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49303	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49303	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49303	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49303	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49303	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49303	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49303	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49303	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49304	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49304	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49304	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49304	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49304	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49304	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49304	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49304	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49304	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49304	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49305	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49305	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49305	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49305	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49305	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49305	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49305	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49305	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49305	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49305	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49306	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49306	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49306	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49306	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49306	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49306	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49306	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49306	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49306	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49306	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49307	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49307	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49307	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49307	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49307	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49307	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49307	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49307	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49307	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49307	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49308	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49308	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0071	No	49308	INVALID PARAMETER	07/24/95-07/24/95	0	1	
BUFF0074	Yes	49308	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49308	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0083	Yes	49308	INVALID PARAMETER	06/13/95-06/13/95	0	1	
BUFF0099	Yes	49308	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49308	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49308	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49308	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49308	INVALID PARAMETER	05/16/94-05/16/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0225	Yes	49308	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49309	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49309	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0071	No	49309	INVALID PARAMETER	07/24/95-07/24/95	0	1	
BUFF0074	Yes	49309	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49309	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0083	Yes	49309	INVALID PARAMETER	06/13/95-06/13/95	0	1	
BUFF0099	Yes	49309	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49309	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49309	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49309	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49309	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49309	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49310	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49310	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0071	No	49310	INVALID PARAMETER	07/24/95-07/24/95	0	1	
BUFF0074	Yes	49310	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49310	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0083	Yes	49310	INVALID PARAMETER	06/13/95-06/13/95	0	1	
BUFF0099	Yes	49310	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49310	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49310	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49310	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49310	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49310	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49311	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49311	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49311	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49311	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49311	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49311	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49311	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49311	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49311	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49311	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49312	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49312	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0071	No	49312	INVALID PARAMETER	07/24/95-07/24/95	0	1	
BUFF0074	Yes	49312	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49312	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0083	Yes	49312	INVALID PARAMETER	06/13/95-06/13/95	0	1	
BUFF0099	Yes	49312	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49312	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49312	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49312	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49312	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49312	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49313	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49313	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0071	No	49313	INVALID PARAMETER	07/24/95-07/24/95	0	1	
BUFF0074	Yes	49313	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49313	INVALID PARAMETER	05/11/94-05/11/94	0	1	
BUFF0083	Yes	49313	INVALID PARAMETER	06/13/95-06/13/95	0	1	
BUFF0099	Yes	49313	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49313	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49313	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49313	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49313	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49313	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49314	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0046	Yes	49314	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0071	No	49314	INVALID PARAMETER	07/24/95-07/24/95	0	1	
BUFF0074	Yes	49314	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49314	INVALID PARAMETER	05/11/94-05/11/94	0	1	
BUFF0083	Yes	49314	INVALID PARAMETER	06/13/95-06/13/95	0	1	
BUFF0099	Yes	49314	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49314	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49314	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49314	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49314	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49314	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0016	No	49315	INVALID PARAMETER	05/17/94-05/17/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0046	Yes	49315	INVALID PARAMETER	05/25/94-05/25/94	0	1	
BUFF0074	Yes	49315	INVALID PARAMETER	07/23/93-07/23/93	0	1	
BUFF0080	Yes	49315	INVALID PARAMETER	05/11/94-05/08/95	0	2	
BUFF0099	Yes	49315	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0110	No	49315	INVALID PARAMETER	05/17/94-05/17/94	0	1	
BUFF0131	No	49315	INVALID PARAMETER	07/22/93-07/22/93	0	1	
BUFF0170	No	49315	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0180	No	49315	INVALID PARAMETER	05/16/94-05/16/94	0	1	
BUFF0225	Yes	49315	INVALID PARAMETER	05/09/94-05/09/94	0	1	
BUFF0080	Yes	49316	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49316	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49317	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49317	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49318	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49318	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49319	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49319	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49320	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49320	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49321	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49321	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49322	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49322	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49324	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49324	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49325	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49325	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49326	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49326	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49327	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49327	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49328	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49328	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49329	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49329	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49330	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49330	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49331	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49331	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49332	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49332	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49335	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49335	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49338	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49338	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49339	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49339	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49341	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49341	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49342	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49342	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49343	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49343	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49344	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49344	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49345	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49345	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49346	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49346	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49347	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49347	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49348	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49348	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49349	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49349	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49350	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49350	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49351	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49351	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49353	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49353	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49353	INVALID PARAMETER	11/04/93-11/04/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0080	Yes	49354	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49354	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49354	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49355	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49355	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49355	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49356	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49356	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49356	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49357	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49357	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49357	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49358	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49358	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49358	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49359	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49359	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49359	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49360	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49360	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49360	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49361	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49361	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49361	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49362	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49362	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49362	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49363	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49363	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49363	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49364	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49364	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49364	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49365	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49365	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49365	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49366	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49366	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49366	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49367	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49367	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49367	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49368	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49368	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49368	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49369	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49369	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49369	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49370	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49370	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49370	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49371	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49371	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49371	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49372	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49372	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49372	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49373	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49373	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49373	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49374	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49374	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49374	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49375	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49375	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49375	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49376	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49376	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49376	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49377	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49377	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49377	INVALID PARAMETER	11/04/93-11/04/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0080	Yes	49378	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49378	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49378	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49379	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49379	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49379	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49380	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49380	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49380	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49381	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49381	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49382	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49382	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49383	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49383	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49384	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49384	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49387	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49387	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49388	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49388	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49389	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49389	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49390	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49390	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49391	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49391	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49392	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49392	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49393	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49393	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49394	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49394	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49395	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49395	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49396	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49396	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49397	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49397	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49398	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49398	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49399	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49399	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49400	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49400	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49401	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49401	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49402	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49402	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49403	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49403	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49404	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49404	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49405	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49405	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49406	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49406	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49407	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49407	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49408	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49408	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49409	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49409	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49410	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49410	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49411	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49411	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49413	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49413	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49421	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49421	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49422	INVALID PARAMETER	07/13/94-07/13/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0225	Yes	49422	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49424	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49424	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49426	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49426	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49427	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49427	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49428	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49428	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49429	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49429	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49430	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49430	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49431	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49431	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49433	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49433	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49434	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49434	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49435	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49435	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49436	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49436	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49437	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49437	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49438	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49438	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49439	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49439	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49441	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49441	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49442	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49442	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49443	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49443	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49444	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49444	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49446	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49446	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49449	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49449	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49450	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49450	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49451	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49451	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49452	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49452	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49454	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49454	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49455	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49455	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49458	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49458	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49459	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49459	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49460	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49460	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49461	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49461	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49465	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0110	No	49465	INVALID PARAMETER	08/19/92-08/19/92	0	1	
BUFF0225	Yes	49465	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49466	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49466	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49467	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49467	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49468	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49468	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0080	Yes	49490	INVALID PARAMETER	07/13/94-07/13/94	0	1	
BUFF0225	Yes	49490	INVALID PARAMETER	11/04/93-11/04/93	0	1	
BUFF0083	Yes	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	07/24/78-07/24/78	0	1	
BUFF0136	Yes	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/04/74-10/04/74	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0083	Yes	61454	DIVERSITY INDEX CONF INTERVAL(95%),BENTH MACROINV	08/01/80-08/01/80	0	1	
BUFF0136	Yes	61455	DIVERSITY INDEX(SHANNON&WEAVER)B.MACROINV,ART.SUB.	10/04/74-07/21/77	2	3	
BUFF0016	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/12/63-05/18/95	31	5	
BUFF0038	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/15/45-08/13/63	17	43	
BUFF0046	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/94-05/17/95	0	3	
BUFF0050	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/79-10/25/82	2	8	
BUFF0062	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/94-01/13/95	0	51	
BUFF0065	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/94-12/18/95	1	36	
BUFF0068	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/13/83-06/10/86	2	23	
BUFF0069	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/13/83-06/10/86	2	23	
BUFF0070	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/17/64-11/17/64	0	1	
BUFF0071	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/30/94-10/01/96	2	7	
BUFF0072	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/94-04/29/94	0	15	
BUFF0074	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/93-07/23/93	0	1	
BUFF0078	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/14/95-06/14/95	0	1	
BUFF0080	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	51	303	T,A,S
BUFF0083	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	18	220	T,A
BUFF0088	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/94-12/18/95	1	38	
BUFF0099	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/17/94-05/16/95	0	3	
BUFF0110	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/17/94-08/24/94	0	2	
BUFF0131	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/93-07/22/93	0	1	
BUFF0136	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/17/77-02/13/78	1	13	
BUFF0160	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/63-08/14/63	0	1	
BUFF0161	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/18/64-11/18/64	0	1	
BUFF0170	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/16/94-05/15/95	0	3	
BUFF0180	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/16/94-05/15/95	0	3	
BUFF0225	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/28/93-08/22/96	3	34	
BUFF0038	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/15/45-10/18/60	14	4	
BUFF0050	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/04/79-10/25/82	2	8	
BUFF0080	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/23/45-10/04/63	18	39	
BUFF0016	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/12/63-11/17/64	1	2	
BUFF0038	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/15/45-08/13/63	17	43	
BUFF0070	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/17/64-11/17/64	0	1	
BUFF0080	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/23/45-09/29/81	36	101	S
BUFF0160	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/14/63-08/14/63	0	1	
BUFF0161	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/18/64-11/18/64	0	1	
BUFF0016	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/12/63-11/17/64	1	2	
BUFF0038	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/15/45-08/13/63	17	43	
BUFF0050	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/04/79-10/25/82	2	8	
BUFF0070	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/17/64-11/17/64	0	1	
BUFF0080	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	43	153	T,S
BUFF0160	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/14/63-08/14/63	0	1	
BUFF0161	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/18/64-11/18/64	0	1	
BUFF0016	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/17/94-05/18/95	1	3	
BUFF0046	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/25/94-05/17/95	0	3	
BUFF0080	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/06/93-08/21/96	3	36	
BUFF0099	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/17/94-05/16/95	0	3	
BUFF0110	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/17/94-08/24/94	0	2	
BUFF0170	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/16/94-05/15/95	0	3	
BUFF0180	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/16/94-05/15/95	0	3	
BUFF0225	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/28/93-08/22/96	3	33	
BUFF0007	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/92-10/07/96	4	21	
BUFF0008	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/27/90-10/07/96	6	24	
BUFF0009	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/92-10/07/96	4	22	
BUFF0013	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/92-10/07/96	4	21	
BUFF0021	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/12/95-06/12/95	0	1	
BUFF0029	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/19/90-11/05/96	6	51	
BUFF0031	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/24/90-11/05/96	6	51	
BUFF0034	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/05/96	6	61	
BUFF0049	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/05/96	10	58	
BUFF0050	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/21/81-07/14/81	0	2	
BUFF0051	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/07/92-10/08/96	4	21	
BUFF0062	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/23/90-09/17/96	5	91	
BUFF0064	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/06/92-05/06/96	4	22	
BUFF0065	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/06/92-10/21/96	4	59	
BUFF0068	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/13/83-06/10/86	2	21	
BUFF0069	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/13/83-06/10/86	2	21	
BUFF0071	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/30/94-10/01/96	2	7	
BUFF0072	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/08/90-11/04/96	6	58	
BUFF0077	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	6	53	
BUFF0080	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	13	152	A
BUFF0083	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	16	187	T,A

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0086	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/06/92-10/21/96	4	24	
BUFF0088	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/06/92-10/21/96	4	61	
BUFF0100	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	6	52	
BUFF0102	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/90-06/03/96	5	27	
BUFF0108	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/14/94-07/31/95	1	5	
BUFF0116	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/15/87-09/09/96	9	42	
BUFF0118	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/92-09/09/96	4	23	
BUFF0122	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/30/90-09/09/96	6	39	
BUFF0127	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/14/94-03/13/95	1	4	
BUFF0140	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/90-08/19/96	6	42	
BUFF0145	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	10	58	
BUFF0149	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/90-08/19/96	6	40	
BUFF0151	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-08/19/96	6	48	
BUFF0153	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	6	62	
BUFF0156	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/20/93-09/27/93	0	2	
BUFF0160	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/19/82-05/19/82	0	2	
BUFF0163	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/20/93-09/27/93	0	2	
BUFF0169	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/90-05/13/96	6	30	
BUFF0186	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/19/86-11/04/96	10	59	
BUFF0187	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/25/89-05/23/89	0	33	
BUFF0190	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/88-11/04/96	8	45	
BUFF0218	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-05/13/96	6	49	
BUFF0229	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-11/04/96	6	32	
BUFF0230	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/25/89-05/23/89	0	28	
BUFF0231	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	10	59	
BUFF0080	Yes	70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	09/16/93-09/16/93	0	2	
BUFF0080	Yes	70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	09/16/93-09/16/93	0	2	
BUFF0083	Yes	70980	PRODUCTIVITY OF PERIPHYTON COMMUNITIES	06/19/79-06/19/79	0	1	
BUFF0136	Yes	70980	PRODUCTIVITY OF PERIPHYTON COMMUNITIES	06/08/77-06/08/77	0	1	
BUFF0083	Yes	70981	AUTOTROPHIC INDEX RE:PERIPHYTON WEBER & MCFARLAN	06/19/79-06/19/79	0	1	
BUFF0136	Yes	70981	AUTOTROPHIC INDEX RE:PERIPHYTON WEBER & MCFARLAN	06/08/77-06/08/77	0	1	
BUFF0050	Yes	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	12/04/79-08/26/80	0	4	
BUFF0050	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	09/16/82-10/25/82	0	2	
BUFF0016	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/12/63-11/17/64	1	2	
BUFF0038	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/15/45-08/13/63	17	59	
BUFF0070	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/17/64-11/17/64	0	1	
BUFF0080	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/23/45-10/04/63	18	104	
BUFF0134	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/09/86-04/09/86	0	1	
BUFF0139	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/09/86-04/09/86	0	1	
BUFF0160	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/14/63-08/14/63	0	1	
BUFF0161	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/18/64-11/18/64	0	1	
BUFF0232	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/16/86-04/16/86	0	1	
BUFF0233	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/16/86-04/16/86	0	1	
BUFF0074	Yes	71870	BROMIDE (MG/L AS BR)	07/23/93-07/23/93	0	1	
BUFF0131	No	71870	BROMIDE (MG/L AS BR)	07/22/93-07/22/93	0	1	
BUFF0016	No	71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	08/12/63-11/17/64	1	2	
BUFF0070	No	71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	11/17/64-11/17/64	0	1	
BUFF0080	Yes	71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	10/04/63-10/04/63	0	1	
BUFF0161	No	71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	11/18/64-11/18/64	0	1	
BUFF0016	No	71885	IRON (UG/L AS FE)	08/12/63-08/12/63	0	1	
BUFF0038	Yes	71885	IRON (UG/L AS FE)	10/18/49-10/18/49	0	1	
BUFF0080	Yes	71885	IRON (UG/L AS FE)	10/18/49-10/04/63	13	2	
BUFF0134	No	71885	IRON (UG/L AS FE)	04/09/86-04/09/86	0	1	
BUFF0139	No	71885	IRON (UG/L AS FE)	04/09/86-04/09/86	0	1	
BUFF0232	No	71885	IRON (UG/L AS FE)	04/16/86-04/16/86	0	1	
BUFF0233	No	71885	IRON (UG/L AS FE)	04/16/86-04/16/86	0	1	
BUFF0050	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	12/04/79-10/25/82	2	8	
BUFF0160	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/19/82-05/19/82	0	2	
BUFF0050	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	12/04/79-07/14/81	1	6	
BUFF0080	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/14/77-09/14/82	4	18	
BUFF0160	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/19/82-05/19/82	0	1	
BUFF0050	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/04/79-10/25/82	2	8	
BUFF0083	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/25/95-07/25/95	0	1	
BUFF0050	Yes	71895	MERCURY, SUSPENDED (UG/L AS HG)	12/04/79-10/25/82	2	7	
BUFF0050	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	12/04/79-10/25/82	2	7	
BUFF0068	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/14/86-01/14/86	0	1	
BUFF0069	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/04/85-01/14/86	0	2	
BUFF0080	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/13/76-09/12/89	12	7	
BUFF0083	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/10/78-09/12/89	11	11	
BUFF0136	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/13/76-10/13/76	0	1	
BUFF0160	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/19/82-05/19/82	0	1	
BUFF0083	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/09/80-08/02/83	2	3	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0136	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/23/84-05/23/84	0	1	
BUFF0083	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/17/78-10/08/81	2	7	
BUFF0136	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	05/23/84-05/23/84	0	1	
BUFF0083	Yes	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/78-10/08/81	2	7	
BUFF0136	Yes	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/23/84-05/23/84	0	1	
BUFF0083	Yes	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/78-10/08/81	2	7	
BUFF0136	Yes	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/23/84-05/23/84	0	1	
BUFF0083	Yes	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/78-10/08/81	2	7	
BUFF0136	Yes	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	05/23/84-05/23/84	0	1	
BUFF0083	Yes	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/17/78-10/08/81	2	7	
BUFF0136	Yes	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	05/23/84-05/23/84	0	1	
BUFF0074	Yes	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	07/23/93-07/23/93	0	1	
BUFF0080	Yes	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	10/08/85-09/27/94	8	101	
BUFF0131	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	07/22/93-07/22/93	0	1	
BUFF0134	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/09/86-04/09/86	0	1	
BUFF0139	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/09/86-04/09/86	0	1	
BUFF0232	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/16/86-04/16/86	0	1	
BUFF0233	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/16/86-04/16/86	0	1	
BUFF0160	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	05/19/82-05/19/82	0	2	
BUFF0074	Yes	75985	TRITIUM,1 SIGMA PRC EST, TOTAL, WATER PC/L	07/23/93-07/23/93	0	1	
BUFF0131	No	75985	TRITIUM,1 SIGMA PRC EST, TOTAL, WATER PC/L	07/22/93-07/22/93	0	1	
BUFF0071	No	77729	RAMROD WHOLE WATER,UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	77729	RAMROD WHOLE WATER,UG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	77825	ALACHLOR WHOLE WATER,UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	77825	ALACHLOR WHOLE WATER,UG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	79194	FLUCHLORALIN, WATER, WHOLE UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	79194	FLUCHLORALIN, WATER, WHOLE UG/L	07/25/95-07/25/95	0	1	
BUFF0016	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/17/94-05/18/95	1	3	
BUFF0046	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/25/94-05/17/95	0	3	
BUFF0080	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/06/93-08/21/96	3	36	
BUFF0099	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/17/94-05/16/95	0	3	
BUFF0110	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/17/94-08/24/94	0	2	
BUFF0170	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/16/94-05/15/95	0	3	
BUFF0180	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/16/94-05/15/95	0	3	
BUFF0225	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	04/28/93-08/22/96	3	34	
BUFF0080	Yes	80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	05/06/93-05/06/93	0	1	
BUFF0225	Yes	80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	04/28/93-04/28/93	0	1	
BUFF0069	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/01/85-10/01/85	0	1	
BUFF0080	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/08/85-09/27/94	8	101	
BUFF0083	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/01/85-10/01/85	0	1	
BUFF0134	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/09/86-04/09/86	0	1	
BUFF0139	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/09/86-04/09/86	0	1	
BUFF0232	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/16/86-04/16/86	0	1	
BUFF0233	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/16/86-04/16/86	0	1	
BUFF0071	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	07/25/95-07/25/95	0	1	
BUFF0027	Yes	81357	CALCIUM SUSPENDED MG/L	05/21/74-03/06/75	0	4	
BUFF0033	Yes	81357	CALCIUM SUSPENDED MG/L	05/21/74-03/06/75	0	4	
BUFF0035	Yes	81357	CALCIUM SUSPENDED MG/L	06/17/74-09/19/75	1	5	
BUFF0036	Yes	81357	CALCIUM SUSPENDED MG/L	05/21/74-05/21/74	0	1	
BUFF0042	Yes	81357	CALCIUM SUSPENDED MG/L	05/21/74-12/10/75	1	8	
BUFF0052	Yes	81357	CALCIUM SUSPENDED MG/L	05/21/74-03/06/75	0	5	
BUFF0076	Yes	81357	CALCIUM SUSPENDED MG/L	05/21/74-12/10/75	1	9	
BUFF0144	Yes	81357	CALCIUM SUSPENDED MG/L	05/21/74-09/19/75	1	6	
BUFF0157	No	81357	CALCIUM SUSPENDED MG/L	05/21/74-12/10/75	1	8	
BUFF0159	No	81357	CALCIUM SUSPENDED MG/L	05/21/74-03/06/75	0	5	
BUFF0191	Yes	81357	CALCIUM SUSPENDED MG/L	08/19/74-08/19/74	0	1	
BUFF0192	Yes	81357	CALCIUM SUSPENDED MG/L	07/18/75-07/18/75	0	1	
BUFF0194	Yes	81357	CALCIUM SUSPENDED MG/L	06/17/74-03/06/75	0	3	
BUFF0220	Yes	81357	CALCIUM SUSPENDED MG/L	05/21/74-12/10/75	1	7	
BUFF0071	No	81403	DURSBAN(CHLOROPYRIFOS)WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	0	1	
BUFF0083	Yes	81403	DURSBAN(CHLOROPYRIFOS)WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	0	1	
BUFF0071	No	81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	07/25/95-07/25/95	0	1	
BUFF0050	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	07/14/81-09/16/82	1	2	
BUFF0050	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	04/21/81-07/14/81	0	2	
BUFF0007	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/14/94-12/04/95	1	9	
BUFF0008	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/14/94-12/04/95	1	9	
BUFF0009	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/14/94-12/04/95	1	9	
BUFF0013	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/14/94-12/04/95	1	9	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0029	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/28/95	1	12	
BUFF0031	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/28/95	1	12	
BUFF0034	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/28/95	1	12	
BUFF0049	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/28/95	1	12	
BUFF0051	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/10/94-10/31/95	1	11	
BUFF0062	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/27/95	1	61	
BUFF0064	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/10/94-10/30/95	1	11	
BUFF0065	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/10/94-12/18/95	1	46	
BUFF0069	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/13/83-06/10/86	2	22	
BUFF0071	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/30/94-10/01/96	2	6	
BUFF0072	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	26	
BUFF0077	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	12	
BUFF0080	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/22/91-09/27/94	2	33	
BUFF0083	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	18	226	A
BUFF0086	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/10/94-10/30/95	1	12	
BUFF0088	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/09/94-12/18/95	1	46	
BUFF0100	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	12	
BUFF0102	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	8	
BUFF0116	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	1	12	
BUFF0118	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-09/25/95	1	11	
BUFF0122	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	1	12	
BUFF0134	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/09/86-04/09/86	0	1	
BUFF0136	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/20/77-11/23/87	10	12	
BUFF0139	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/09/86-04/09/86	0	1	
BUFF0140	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	1	12	
BUFF0145	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	12	
BUFF0149	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	1	12	
BUFF0151	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	1	12	
BUFF0153	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	12	
BUFF0169	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	1	11	
BUFF0186	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	12	
BUFF0190	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	10	
BUFF0218	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	12	
BUFF0229	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-05/15/95	1	6	
BUFF0231	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	1	12	
BUFF0232	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/86-04/16/86	0	1	
BUFF0233	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/86-04/16/86	0	1	
BUFF0071	No	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	82185	ATRATON (GESTAMIN) TOTAL UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	82185	ATRATON (GESTAMIN) TOTAL UG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	82187	CYPRAZINE TOTAL UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	82187	CYPRAZINE TOTAL UG/L	07/25/95-07/25/95	0	1	
BUFF0071	No	82199	ORDRAM (HYDRAM) IN WATER UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	82199	ORDRAM (HYDRAM) IN WATER UG/L	07/25/95-07/25/95	0	1	
BUFF0050	Yes	82356	2,4-DP DISSOLVED IN WATER UG/L	09/16/82-09/16/82	0	1	
BUFF0071	No	82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	07/25/95-07/25/95	0	1	
BUFF0062	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/29/94-01/13/95	0	49	
BUFF0065	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/29/94-12/18/95	1	34	
BUFF0072	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/29/94-04/29/94	0	14	
BUFF0083	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/04/94-11/05/94	0	12	
BUFF0088	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/29/94-12/18/95	1	34	
BUFF0071	No	82614	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	07/24/95-07/24/95	0	1	
BUFF0083	Yes	82614	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	07/25/95-07/25/95	0	1	
BUFF0016	No	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/22/93-07/22/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0170	No	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0046	Yes	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/25/94-05/25/94	0	1	
BUFF0074	Yes	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/11/94-05/11/94	0	1	
BUFF0099	Yes	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0110	No	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/16/94-05/16/94	0	1	
BUFF0180	No	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/16/94-05/16/94	0	1	
BUFF0225	Yes	82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/09/94-05/09/94	0	1	
BUFF0016	No	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/16/94-05/15/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0225	Yes	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0046	Yes	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 07/23/45 To 04/07/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
BUFF0080	Yes	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0016	No	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1	2	
BUFF0046	Yes	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	0	2	
BUFF0074	Yes	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	0	1	
BUFF0080	Yes	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	1	4	
BUFF0099	Yes	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	0	2	
BUFF0110	No	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	0	1	
BUFF0131	No	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	0	1	
BUFF0170	No	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0180	No	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	0	2	
BUFF0225	Yes	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	1	4	
BUFF0134	No	83509	STREAM, WIDTH METER	04/09/86-04/09/86	0	1	
BUFF0139	No	83509	STREAM, WIDTH METER	04/09/86-04/09/86	0	1	
BUFF0232	No	83509	STREAM, WIDTH METER	04/16/86-04/16/86	0	1	
BUFF0233	No	83509	STREAM, WIDTH METER	04/16/86-04/16/86	0	1	
BUFF0074	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/23/93-07/23/93	0	2	
BUFF0078	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/14/95-06/14/95	0	1	
BUFF0131	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/22/93-07/22/93	0	2	
BUFF0074	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/23/93-07/23/93	0	2	
BUFF0078	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/14/95-06/14/95	0	1	
BUFF0131	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/22/93-07/22/93	0	2	

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

Station-By-Station Results

Station Inventory for Station: BUFF0001

NPS Station ID: BUFF0001 LAT/LON: 36.152226/ -92.409726 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER 2.3 RIVER MILES FROM WHITE RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF61
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005001 RF1 Mile Point: 1.950 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000100.69 RF3 Mile Point: 0.69 Distance from RF3: 0.06 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER 2.3 RIVER MILES FROM WHITE RIVER

Parameter Inventory for Station: BUFF0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	1585.	1585.	1585.	1585.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	636.	636.	636.	636.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	74.	74.	74.	74.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	242.	242.	242.	242.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	116.	116.	116.	116.	0.	0.	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	1	1515.	1515.	1515.	1515.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	6700.	6700.	6700.	6700.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0002

NPS Station ID: BUFF0002 LAT/LON: 36.154170/ -92.411115 Agency: 21ARUNFA Date Created: 10/06/79
Location: STEWART CREEK 2.5 RIVER MILES FROM WHITE RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF60
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005001 RF1 Mile Point: 1.950 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000102.00 RF3 Mile Point: 2.82 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
STEWART CREEK 2.5 RIVER MILES FROM WHITE RIVER

Parameter Inventory for Station: BUFF0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	2275.	2275.	2275.	2275.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	557.	557.	557.	557.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	72.	72.	72.	72.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	166.	166.	166.	166.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	104.	104.	104.	104.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	7000.	7000.	7000.	7000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0003

NPS Station ID: BUFF0003
LAT/LON: 36.091670/ -92.425004
Agency: 21ARUNFA
Date Created: 10/06/79
Location: SHORT CREEK 9 RM FROM WHITE RIVER
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF54
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005001
RF1 Mile Point: 7.920
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005002700.12
RF3 Mile Point: 0.11
Distance from RF3: 0.00
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM SHORT CREEK 9 RIVER MILES FROM WHITE RIVER, 1500 FT UPST FROM BUFFALO R

Parameter Inventory for Station: BUFF0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	4885.	4885.	4885.	4885.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	1165.	1165.	1165.	1165.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	98.	98.	98.	98.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	323.	323.	323.	323.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	7400.	7400.	7400.	7400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0004

NPS Station ID: BUFF0004 LAT/LON: 36.109170/ -92.426949 Agency: 21ARUNFA Date Created: 10/06/79
Location: LEATHERWOOD CR AT BUFFALO R 15FT FR BANK FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF56
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005001 RF1 Mile Point: 6.310 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005005100.00 RF3 Mile Point: 0.01 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LEATHERWOOD CREEK AT BUFFALO RIVER CONFLUENCE 15FEET FROM BANK

Parameter Inventory for Station: BUFF0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	3160.	3160.	3160.	3160.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	1118.	1118.	1118.	1118.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	95.	95.	95.	95.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	196.	196.	196.	196.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	202.	202.	202.	202.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	7800.	7800.	7800.	7800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0005

NPS Station ID: BUFF0005
LAT/LON: 36.109170/ -92.426949
Agency: 21ARUNFA
Date Created: 10/06/79
Location: LEATHERWOOD CR AT BUFFALO R CONF AT STREAMBANK
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF57
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005001
RF1 Mile Point: 6.310
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005005100.00
RF3 Mile Point: 0.01
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LEATHERWOOD CREEK AT BUFFALO RIVER CONFLUENCE AT STREAMBANK

Parameter Inventory for Station: BUFF0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	3980.	3980.	3980.	3980.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	1120.	1120.	1120.	1120.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	113.	113.	113.	113.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	151.	151.	151.	151.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	179.	179.	179.	179.	0.	0.	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	8000.	8000.	8000.	8000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0006

NPS Station ID: BUFF0006 LAT/LON: 36.109170/ -92.426949 Agency: 21ARUNFA Date Created: 10/06/79
Location: LEATHERWOOD CR UPST FR BUFFALO R 30 FT FROM BANK FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF55
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005001 RF1 Mile Point: 6.310 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005014200.00 RF3 Mile Point: 0.25 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LEATHERWOOD CREEK 1000 FT UPST FROM BUFFALO RIVER, 30 FT FR BANK, RM7.4

Parameter Inventory for Station: BUFF0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	2630.	2630.	2630.	2630.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	875.	875.	875.	875.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	113.	113.	113.	113.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	278.	278.	278.	278.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	139.	139.	139.	139.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	9300.	9300.	9300.	9300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0007

NPS Station ID: BUFF0007 LAT/LON: 36.085559/ -92.428337 Agency: 1116APCC Date Created: 02/03/90
Location: MIDDLE CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS029 /BUFT23 /4J00041
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 125 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.60 On/Off RF1:
RF3 Index: 11010005000206.12 RF3 Mile Point: 6.12 Distance from RF3: 0.00 On/Off RF3:
Description:
POINT LOCATION: 200 FEET UPSTREAM FROM THE MOUTH -- ACCESS VIA BOAT ONLY - 15.4 MILES BELOW RUSH

Parameter Inventory for Station: BUFF0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/85-12/09/96	57	18.1	17.66	26.5	6.5	30.606	5.532	9.38	13.25	22.95	24.32
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/91-12/04/95	16	4.5	10.031	60.	0.2	258.645	16.082	0.2	0.7	8.5	42.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/93-12/09/96	8	4.	4.55	10.	0.4	13.791	3.714	**	**	**	**
00065	STAGE, STREAM (FEET)	12/12/91-10/07/96	16	-4.985	-3.788	5.2	-6.3	9.467	3.077	4.36	-3.9	-5.1	-5.53
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	39	0.4	0.687	7.	0.	1.205	1.098	0.2	0.3	0.7	1.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/85-12/09/96	54	396.	388.444	452.	228.	1491.836	38.624	335.5	376.	410.	424.
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	46	9.25	9.548	18.	5.3	4.643	2.155	7.31	8.25	10.8	11.7
00400	PH (STANDARD UNITS)	06/24/87-12/09/96	52	8.125	8.042	8.7	5.27	0.207	0.455	7.757	7.94	8.25	8.328
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-12/09/96	52	8.125	6.949	8.7	5.27	1.425	1.194	7.757	7.94	8.25	8.328
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-12/09/96	52	0.007	0.113	5.37	0.002	0.553	0.743	0.005	0.006	0.011	0.018
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/90-06/14/93	2	111.5	111.5	222.	1.	24420.5	156.271	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	27 ##	0.025	0.036	0.104	0.	0.001	0.025	0.018	0.025	0.051	0.077
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-02/03/92	6	0.15	0.283	1.	0.1	0.126	0.354	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	27	0.02	0.031	0.13	0.01	0.001	0.029	0.01	0.01	0.04	0.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-10/26/92	9 ##	0.001	0.007	0.015	0.001	0.	0.007	0.001	0.001	0.015	0.015
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/93-08/08/94	4	212.5	205.5	237.	160.	1113.667	33.372	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/92-10/07/96	22	2.	2.091	3.	1.	0.182	0.426	2.	2.	2.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/92-10/07/96	22	8.	8.5	13.	5.	3.5	1.871	6.3	7.	10.	10.7
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/14/85-09/27/87	3	0.	96.667	290.	0.	28033.333	167.432	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	09/14/85-09/27/87	3	0.	0.821	2.462	0.	2.021	1.422	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.619								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	54	7.	14.981	124.	0.	459.868	21.445	0.	2.	21.	33.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	54	0.845	0.817	2.093	0.	0.366	0.605	0.	0.301	1.321	1.519
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.561								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/92-10/07/96	21 ##	0.015	0.028	0.135	0.015	0.001	0.029	0.015	0.015	0.031	0.068
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/14/94-12/04/95	9	0.6	0.844	1.9	0.3	0.348	0.59	0.3	0.35	1.4	1.9

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

EPA Water Quality Criteria Analysis for Station: BUFF0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	39	0	0.00	20	0	0.00	8	0	0.00	11	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	46	0	0.00	25	0	0.00	12	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	52	0	0.00	27	0	0.00	12	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	52	1	0.02	27	1	0.04	12	0	0.00	13	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	27	0	0.00	14	0	0.00	7	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	11	0	0.00	7	0	0.00	4	0	0.00			
		Drinking Water	250.	22	0	0.00	11	0	0.00	7	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	11	0	0.00	7	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	54	0	0.00	29	0	0.00	11	0	0.00	14	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/85-12/09/96	31	19.3	18.568	26.5	8.7	32.451	5.697	9.52	13.5	23.5	25.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	20	0.45	0.64	1.8	0.2	0.194	0.441	0.21	0.3	0.95	1.38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/85-12/09/96	29	401.	396.31	452.	305.	984.65	31.379	353.	379.	414.5	444.
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	25	9.	9.3	18.	5.3	6.58	2.565	6.44	7.85	10.3	12.3
00400	PH (STANDARD UNITS)	06/24/87-12/09/96	27	8.04	7.952	8.7	5.27	0.34	0.583	7.642	7.91	8.16	8.3
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-12/09/96	27	8.04	6.681	8.7	5.27	2.019	1.421	7.642	7.91	8.16	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-12/09/96	27	0.009	0.209	5.37	0.002	1.064	1.032	0.005	0.007	0.012	0.023
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	14 ##	0.025	0.037	0.104	0.01	0.001	0.025	0.015	0.025	0.052	0.089
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	14	0.025	0.029	0.08	0.01	0.	0.02	0.01	0.01	0.04	0.065
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	29	8.	16.759	124.	0.	594.975	24.392	0.	2.5	27.	32.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	29	0.903	0.884	2.093	0.	0.35	0.592	0.	0.389	1.431	1.505
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.65								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/85-12/09/96	12	12.1	12.217	17.1	6.5	15.191	3.898	6.5	8.825	16.25	17.07
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	8	0.3	1.15	7.	0.2	5.591	2.365	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/85-12/09/96	12	386.5	362.417	413.	228.	3029.902	55.045	253.8	320.25	398.5	412.1
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	12	10.85	10.8	13.5	8.8	1.449	1.204	9.07	9.9	11.575	12.96
00400	PH (STANDARD UNITS)	06/24/87-12/09/96	12	8.235	8.146	8.44	7.3	0.091	0.301	7.492	8.07	8.3	8.428
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-12/09/96	12	8.235	8.001	8.44	7.3	0.114	0.337	7.492	8.07	8.3	8.428
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-12/09/96	12	0.006	0.01	0.05	0.004	0.	0.013	0.004	0.005	0.009	0.039
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	7 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	7	0.02	0.036	0.08	0.01	0.001	0.029	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	11	2.	3.364	16.	0.	23.455	4.843	0.	0.	6.	14.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	11	0.301	0.355	1.204	0.	0.179	0.423	0.	0.	0.778	1.132
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.265								

** - 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 box-and-whisker plot

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/85-12/09/96	14	19.65	20.314	24.8	16.9	7.2	2.683	16.95	18.075	23.275	24.45
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	11	0.4	0.436	0.8	0.	0.051	0.225	0.06	0.3	0.5	0.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/85-12/09/96	13	401.	394.923	437.	341.	641.577	25.329	346.6	385.5	409.	429.
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	9	8.5	8.567	10.3	7.4	0.758	0.87	7.4	7.9	9.1	10.3
00400	PH (STANDARD UNITS)	06/24/87-12/09/96	13	8.13	8.131	8.38	7.9	0.021	0.145	7.912	8.	8.25	8.336
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-12/09/96	13	8.13	8.108	8.38	7.9	0.022	0.147	7.912	8.	8.25	8.336
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-12/09/96	13	0.007	0.008	0.013	0.004	0.	0.003	0.005	0.006	0.01	0.012
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	6	0.048	0.047	0.09	0.	0.001	0.035	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	6	0.015	0.033	0.13	0.01	0.002	0.048	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	14	15.	20.429	74.	0.	422.11	20.545	0.	3.5	33.	60.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-12/09/96	14	1.175	1.042	1.869	0.	0.355	0.596	0.	0.527	1.519	1.766
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.006								

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

Station Inventory for Station: BUFF0008

NPS Station ID: BUFF0008
LAT/LON: 36.166670/ -92.429170
Agency: 1116APCC
Date Created: 02/03/90
Location: BUFFALO RIVER AT MOUTH
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS009 /BUFR09 /4J00018
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISISSIPPI RIVER
Elevation: 116
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 39G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 11010005000400.47
RF3 Mile Point: 0.52
Distance from RF3: 0.03
On/Off RF3:
Description:
POINT LOCATION: MID-CHANNEL 200 METERS UP THE BUFFALO RIVER FROM THE CONFLUENCE WITH THE WHITE RIVER--ACCESS FROM BUFFALO CITY ON HIGHWAY 126 FROM HIGHWAY 62

Parameter Inventory for Station: BUFF0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	76	19.1	18.892	32.2	2.5	68.562	8.28	7.32	11.225	26.375	30.
00060	FLOW, STREAM, MEAN DAILY CFS	03/02/92-12/04/95	16	1035.	1277.813	2873.	200.	1021392.963	1010.64	214.	298.5	2474.	2761.
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/93-12/09/96	9	1008.	1136.222	2234.	243.	532864.444	729.976	243.	499.5	1933.5	2234.
00065	STAGE, STREAM (FEET)	05/19/85-12/09/96	60	3.6	4.087	11.48	1.6	3.011	1.735	2.7	3.	4.6	6.07
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-12/09/96	46	1.45	2.387	11.	0.5	6.266	2.503	0.7	0.8	2.65	6.45
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	74	226.5	231.068	487.	122.	2141.023	46.271	187.5	207.	250.	274.5
00300	OXYGEN, DISSOLVED MG/L	07/23/85-12/09/96	63	10.	10.156	16.7	5.9	4.489	2.119	7.9	8.5	11.2	12.8
00400	PH (STANDARD UNITS)	12/22/86-10/07/96	63	8.27	8.226	9.13	7.06	0.083	0.289	7.932	8.06	8.38	8.542
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-10/07/96	63	8.27	8.095	9.13	7.06	0.101	0.318	7.932	8.06	8.38	8.542
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-10/07/96	63	0.005	0.008	0.087	0.001	0.	0.011	0.003	0.004	0.009	0.012
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	135.	135.	135.	135.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-10/07/96	29 ##	0.025	0.048	0.26	0.	0.003	0.055	0.	0.025	0.061	0.14
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/85-02/27/90	15	0.19	0.193	0.56	0.03	0.02	0.141	0.042	0.1	0.3	0.422
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/85-10/07/96	37	0.04	0.095	0.79	0.005	0.023	0.15	0.01	0.01	0.125	0.274
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/85-10/26/92	21	0.011	0.018	0.06	0.001	0.	0.018	0.001	0.003	0.031	0.055
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/93-08/08/94	4	133.5	123.75	135.	93.	422.25	20.549	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	06/09/87-10/17/89	6	37.	36.667	40.	31.	11.867	3.445	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	02/03/88-10/17/89	5	5.	4.4	6.	2.	2.3	1.517	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	06/09/87-10/17/89	6	2.	2.	2.	2.	0.	0.	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	06/09/87-03/11/89	5	0.9	0.82	0.9	0.7	0.012	0.11	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-10/07/96	26	3.	2.923	4.	1.	0.634	0.796	2.	2.	3.25	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/88-10/07/96	26	7.5	7.192	12.	0.	7.042	2.654	4.	5.75	8.	12.
01002	ARSENIC, TOTAL (UG/L AS AS)	09/14/85-05/03/88	6	1.5	2.167	4.	1.	2.167	1.472	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/14/85-10/17/89	8 ##	0.5	0.763	2.	0.1	0.337	0.58	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/14/85-05/03/88	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	09/14/85-10/17/89	8 ##	0.5	1.45	8.	0.1	7.063	2.658	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/14/85-10/17/89	8	5.	5.063	11.	0.5	11.888	3.448	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/14/85-10/17/89	8	10.5	28.125	120.	5.	1511.839	38.882	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/14/85-10/17/89	8 ##	1.	2.125	10.	1.	10.125	3.182	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/14/85-10/17/89	8	1.	1.713	5.	0.7	2.004	1.416	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/14/85-05/03/88	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/14/85-10/17/89	8	5.	22.625	140.	3.	2256.839	47.506	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	09/14/85-10/17/89	8 ##	5.	7.125	20.	5.	27.268	5.222	**	**	**	**

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

Parameter Inventory for Station: BUFF0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/19/85-03/28/88	6	10.	13.333	30.	0.	226.667	15.055	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/19/85-03/28/88	6	0.651	0.709	1.477	0.	0.608	0.78	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			5.119								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	73	2.	23.808	1140.	0.	18038.102	134.306	0.	0.	6.	19.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	73	0.301	0.52	3.057	0.	0.378	0.614	0.	0.	0.778	1.283
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.315								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/27/90-10/07/96	24	## 0.015	0.029	0.112	0.	0.001	0.027	0.	0.015	0.041	0.07
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/14/94-12/04/95	9	1.7	5.756	28.5	0.3	87.763	9.368	0.3	0.95	7.8	28.5

** - 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: BUFF0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	46	0	0.00	25	0	0.00	12	0	0.00	9	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	63	0	0.00	35	0	0.00	19	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	63	1	0.02	32	1	0.03	19	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	63	0	0.00	32	0	0.00	19	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	37	0	0.00	20	0	0.00	13	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	26	0	0.00	12	0	0.00	10	0	0.00	4	0	0.00			
		Drinking Water	250.	26	0	0.00	12	0	0.00	10	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	12	0	0.00	10	0	0.00	4	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	2	0	0.00	4	0	0.00						
		Drinking Water	50.	6	0	0.00	2	0	0.00	4	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	5.	8	0	0.00	3	0	0.00	5	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	2	0	0.00	4	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	1300.	8	0	0.00	3	0	0.00	5	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	15.	8	0	0.00	3	0	0.00	5	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	100.	8	0	0.00	3	0	0.00	5	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	6	0	0.00	2	0	0.00	4	0	0.00						
		Drinking Water	100.	6	0	0.00	2	0	0.00	4	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	8	1	0.13	3	1	0.33	5	0	0.00						
		Drinking Water	5000.	8	0	0.00	3	0	0.00	5	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	73	1	0.01	40	0	0.00	19	0	0.00	14	1	0.07			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	42	21.6	19.707	32.2	2.5	72.506	8.515	7.83	12.275	27.25	30.14
00065	STAGE, STREAM (FEET)	05/19/85-12/09/96	32	3.2	3.371	6.1	2.4	0.735	0.858	2.53	2.8	3.6	4.95
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-12/09/96	25	1.1	1.784	8.2	0.5	2.906	1.705	0.66	0.8	2.1	4.24
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	40	231.5	240.075	487.	146.	2553.148	50.529	200.7	216.75	249.25	273.
00300	OXYGEN, DISSOLVED MG/L	07/23/85-12/09/96	35	9.5	9.683	16.2	5.9	3.932	1.983	7.66	8.3	10.6	12.26
00400	PH (STANDARD UNITS)	12/22/86-10/07/96	32	8.25	8.183	9.13	7.06	0.134	0.366	7.72	8.032	8.378	8.572
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-10/07/96	32	8.25	7.991	9.13	7.06	0.172	0.415	7.72	8.032	8.378	8.572
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-10/07/96	32	0.006	0.01	0.087	0.001	0.	0.015	0.003	0.004	0.009	0.019
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-10/07/96	15 ##	0.025	0.031	0.095	0.	0.001	0.025	0.	0.025	0.03	0.082
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/85-10/07/96	20	0.02	0.109	0.79	0.005	0.038	0.195	0.008	0.01	0.118	0.38
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/85-10/26/92	11	0.011	0.015	0.034	0.001	0.	0.012	0.002	0.005	0.027	0.034
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-10/07/96	12	3.	3.25	4.	2.	0.386	0.622	2.3	3.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/88-10/07/96	12	8.	7.667	12.	4.	3.879	1.969	4.3	7.	8.	11.1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	40	4.	9.9	172.	0.	757.323	27.52	0.	0.	9.5	15.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	40	0.602	0.556	2.236	0.	0.296	0.544	0.	0.	0.976	1.198
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.597								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/27/90-10/07/96	12 ##	0.015	0.029	0.075	0.	0.	0.022	0.005	0.015	0.043	0.07

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	20	11.7	12.57	20.5	5.5	25.637	5.063	5.99	7.625	17.375	19.47
00065	STAGE, STREAM (FEET)	05/19/85-12/09/96	16	4.825	5.31	10.2	3.	3.146	1.774	3.84	4.2	6.	8.324
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-12/09/96	12	2.3	2.967	8.7	0.7	6.05	2.46	0.73	0.925	4.825	7.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	20	205.5	210.4	304.	122.	1509.516	38.852	162.5	191.75	225.75	262.7
00300	OXYGEN, DISSOLVED MG/L	07/23/85-12/09/96	19	11.8	11.732	16.7	8.2	3.629	1.905	9.5	10.5	12.8	15.
00400	PH (STANDARD UNITS)	12/22/86-10/07/96	19	8.27	8.282	8.61	7.95	0.033	0.182	8.02	8.15	8.42	8.6
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-10/07/96	19	8.27	8.247	8.61	7.95	0.034	0.185	8.02	8.15	8.42	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-10/07/96	19	0.005	0.006	0.011	0.002	0.	0.002	0.003	0.004	0.007	0.01
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-10/07/96	10 ##	0.025	0.072	0.26	0.	0.007	0.083	0.003	0.025	0.14	0.248
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/85-10/07/96	13	0.04	0.072	0.25	0.005	0.005	0.071	0.015	0.035	0.105	0.218
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/85-10/26/92	9 ##	0.008	0.019	0.06	0.001	0.001	0.025	0.001	0.001	0.044	0.06
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-10/07/96	10	2.5	2.6	4.	1.	0.933	0.966	1.1	2.	3.25	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/88-10/07/96	10	6.5	6.7	12.	0.	13.567	3.683	0.4	4.	9.75	12.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	19	0.	5.895	36.	0.	122.766	11.08	0.	0.	3.	30.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	19	0.	0.374	1.556	0.	0.319	0.565	0.	0.	0.477	1.477
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.364								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/27/90-10/07/96	8 ##	0.015	0.018	0.065	0.	0.	0.02	**	**	**	**

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	14	26.5	25.479	32.	18.4	19.054	4.365	18.7	21.975	29.7	31.
00065	STAGE, STREAM (FEET)	05/19/85-12/09/96	12	3.8	4.365	11.48	1.6	6.038	2.457	2.02	3.2	4.5	9.776
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-12/09/96	9	1.5	3.289	11.	0.7	15.656	3.957	0.7	1.05	5.7	11.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	14	244.5	234.857	278.	168.	1234.747	35.139	174.	206.75	260.75	276.5
00300	OXYGEN, DISSOLVED MG/L	07/23/85-12/09/96	9	8.5	8.667	10.	7.8	0.54	0.735	7.8	8.15	9.25	10.
00400	PH (STANDARD UNITS)	12/22/86-10/07/96	12	8.285	8.251	8.55	7.92	0.027	0.164	7.956	8.147	8.33	8.499
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-10/07/96	12	8.285	8.221	8.55	7.92	0.028	0.167	7.956	8.147	8.33	8.499
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-10/07/96	12	0.005	0.006	0.012	0.003	0.	0.002	0.003	0.005	0.007	0.011
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-10/07/96	4 ##	0.048	0.057	0.107	0.025	0.002	0.04	**	**	**	**

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/85-10/07/96	4	0.09	0.095	0.19	0.01	0.006	0.075	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/85-10/26/92	1	0.034	0.034	0.034	0.034	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-10/07/96	4	3.	2.75	3.	2.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/88-10/07/96	4	7.5	7.	8.	5.	2.	1.414	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	14	2.	87.857	1140.	0.	91979.363	303.281	0.	0.	4.5	602.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	14	0.301	0.618	3.057	0.	0.717	0.847	0.	0.	0.646	2.432
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.149								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/27/90-10/07/96	4	0.041	0.052	0.112	0.015	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 box-and-whisker plot

Station Inventory for Station: BUFF0009

NPS Station ID: BUFF0009 LAT/LON: 36.108892/ -92.429170 Agency: 1116APCC Date Created: 02/03/90
Location: LEATHERWOOD CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS030 /BUFT24 /4J00042
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 125 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 2.10 On/Off RF1:
RF3 Index: 11010005000107.85 RF3 Mile Point: 7.87 Distance from RF3: 0.01 On/Off RF3:
Description:
POINT LOCATION: 200 FEET UPSTREAM FROM THE MOUTH - ACCESS VIA BOAT ONLY 17.4 MILES BELOW RUSH

Parameter Inventory for Station: BUFF0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	58	20.	18.447	27.3	5.4	36.339	6.028	8.28	14.375	23.025	25.04
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/91-12/04/95	17	4.	11.195	77.	0.02	399.804	19.995	0.244	0.8	9.	49.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/93-12/09/96	8	3.	5.925	21.	0.4	53.759	7.332	**	**	**	**
00065	STAGE, STREAM (FEET)	12/12/91-10/07/96	11	-2.96	-3.045	-2.78	-3.49	0.044	0.21	-2.784	-2.9	-3.21	-3.434
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	40	0.5	1.233	16.	0.3	7.1	2.665	0.3	0.4	0.8	2.13
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	57	368.	358.228	423.	201.	1649.429	40.613	305.2	339.	385.	396.6
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	46	8.45	9.126	14.1	5.7	3.475	1.864	7.14	7.75	10.725	11.69
00400	PH (STANDARD UNITS)	06/24/87-12/09/96	52	8.12	8.129	8.6	7.68	0.035	0.187	7.867	8.012	8.228	8.387
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-12/09/96	52	8.12	8.09	8.6	7.68	0.036	0.191	7.867	8.012	8.227	8.387
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-12/09/96	52	0.008	0.008	0.021	0.003	0.	0.004	0.004	0.006	0.01	0.014
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	191.	191.	191.	191.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	28	0.025	0.044	0.13	0.	0.001	0.031	0.018	0.025	0.064	0.089
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-09/27/89	5	0.1	0.14	0.2	0.1	0.003	0.055	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	28	0.03	0.036	0.13	0.005	0.001	0.031	0.01	0.01	0.05	0.081
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-10/26/92	11 ##	0.001	0.008	0.037	0.001	0.	0.011	0.001	0.001	0.015	0.033
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/93-08/08/94	4	202.5	193.25	222.	146.	1164.917	34.131	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/92-10/07/96	23	2.	2.174	4.	1.	0.696	0.834	1.	2.	3.	3.6
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/92-10/07/96	23	9.	8.957	17.	5.	7.043	2.654	5.4	7.	10.	12.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/14/85-09/27/87	3	250.	226.	350.	78.	18928.	137.579	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	09/14/85-09/27/87	3	2.398	2.278	2.544	1.892	0.117	0.342	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			189.686								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	56	14.5	28.161	225.	0.	1721.374	41.489	0.	4.	33.	78.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	56	1.161	1.053	2.352	0.	0.424	0.651	0.	0.602	1.518	1.895
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.297								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/92-10/07/96	22 ##	0.015	0.018	0.06	0.	0.	0.014	0.005	0.015	0.015	0.047
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/14/94-12/04/95	9	0.6	0.822	2.4	0.3	0.484	0.696	0.3	0.35	1.15	2.4

** - 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: BUFF0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	40	0	0.00	21	0	0.00	8	0	0.00	11	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	46	0	0.00	25	0	0.00	12	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	52	0	0.00	28	0	0.00	12	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	52	0	0.00	28	0	0.00	12	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	28	0	0.00	14	0	0.00	8	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	23	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00			
		Drinking Water	250.	23	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	23	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	56	1	0.02	30	1	0.03	11	0	0.00	15	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	31	21.	19.371	27.3	7.8	36.258	6.021	8.54	14.5	24.5	26.68
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	21	0.5	1.5	16.	0.3	11.532	3.396	0.3	0.4	0.95	2.92
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	31	367.	360.29	423.	265.	1392.146	37.311	288.2	340.	385.	398.4
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	25	8.2	8.58	12.6	5.7	2.728	1.652	6.66	7.6	10.	10.96
00400	PH (STANDARD UNITS)	06/24/87-12/09/96	28	8.065	8.084	8.6	7.68	0.037	0.193	7.83	7.98	8.158	8.386
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-12/09/96	28	8.065	8.045	8.6	7.68	0.039	0.197	7.83	7.98	8.157	8.386
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-12/09/96	28	0.009	0.009	0.021	0.003	0.	0.004	0.004	0.007	0.01	0.015
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	14	0.038	0.045	0.093	0.02	0.001	0.026	0.02	0.025	0.06	0.091
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	14	0.035	0.036	0.09	0.01	0.	0.021	0.01	0.018	0.05	0.07
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	30	16.5	28.567	225.	0.	1917.978	43.795	1.1	4.	31.5	77.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	30	1.216	1.106	2.352	0.	0.361	0.6	0.03	0.602	1.497	1.884
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.752								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	12	12.15	12.033	17.4	5.4	17.686	4.205	5.49	8.425	15.825	17.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	8	0.45	1.288	7.2	0.3	5.736	2.395	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	12	373.5	349.083	399.	201.	3264.811	57.139	232.8	310.5	387.25	397.8
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	12	11.15	10.975	14.1	8.6	2.526	1.589	8.6	9.6	11.825	13.62
00400	PH (STANDARD UNITS)	06/24/87-12/09/96	12	8.23	8.233	8.45	7.94	0.025	0.158	7.958	8.137	8.363	8.444
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-12/09/96	12	8.23	8.206	8.45	7.94	0.026	0.16	7.958	8.137	8.363	8.444
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-12/09/96	12	0.006	0.006	0.011	0.004	0.	0.002	0.004	0.004	0.007	0.011
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	8 ##	0.025	0.04	0.13	0.	0.002	0.041	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	8	0.025	0.033	0.08	0.005	0.001	0.028	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	11	0.	4.091	18.	0.	43.691	6.61	0.	0.	4.	17.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	11	0.	0.376	1.255	0.	0.242	0.492	0.	0.	0.602	1.245
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.379								

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	15	21.4	21.667	25.5	16.5	8.104	2.847	17.1	19.5	24.2	25.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	11	0.6	0.682	1.5	0.3	0.126	0.354	0.32	0.4	0.8	1.42
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	14	366.5	361.5	411.	298.	1031.192	32.112	305.	335.	385.25	403.5
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	9	7.8	8.178	9.7	7.2	0.822	0.907	7.2	7.5	9.	9.7
00400	PH (STANDARD UNITS)	06/24/87-12/09/96	12	8.175	8.131	8.39	7.78	0.029	0.169	7.828	7.993	8.205	8.372
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-12/09/96	12	8.175	8.099	8.39	7.78	0.03	0.172	7.828	7.993	8.205	8.372
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-12/09/96	12	0.007	0.008	0.017	0.004	0.	0.003	0.004	0.006	0.01	0.015
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	6	0.038	0.044	0.085	0.	0.001	0.034	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	6 ##	0.01	0.042	0.13	0.01	0.003	0.052	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	15	26.	45.	164.	6.	1999.	44.71	6.	10.	66.	130.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	15	1.415	1.444	2.215	0.778	0.215	0.464	0.778	1.	1.82	2.106
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			27.785								

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

Station Inventory for Station: BUFF0010

NPS Station ID: BUFF0010 LAT/LON: 36.169448/ -92.430559 Agency: 21ARUNFA Date Created: 10/06/79
Location: CONFLUENCE OF BUFFALO RIVER AND WHITE RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF62
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005001 RF1 Mile Point: 0.100 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000100.69 RF3 Mile Point: 0.69 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CONFLUENCE OF BUFFALO RIVER AND WHITE RIVER

Parameter Inventory for Station: BUFF0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	13430.	13430.	13430.	13430.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	3720.	3720.	3720.	3720.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1	## 2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	106.	106.	106.	106.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	12.3	12.3	12.3	12.3	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	600.	600.	600.	600.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	95.	95.	95.	95.	0.	0.	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	1	310.	310.	310.	310.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	7300.	7300.	7300.	7300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0011

NPS Station ID: BUFF0011
LAT/LON: 36.145559/ -92.432781
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO R DNST FR COW CR, UPST FR STEWART CR
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF59
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005001
RF1 Mile Point: 3.550
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005013700.00
RF3 Mile Point: 0.20
Distance from RF3: 0.00
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER DOWNSTREAM FROM COW CREEK, UPSTREAM FROM STEWART CREEK

Parameter Inventory for Station: BUFF0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	1615.	1615.	1615.	1615.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	675.	675.	675.	675.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	198.	198.	198.	198.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	166.	166.	166.	166.	0.	0.	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	6100.	6100.	6100.	6100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0012

NPS Station ID: BUFF0012 LAT/LON: 36.125281/ -92.433337 Agency: 21ARUNFA Date Created: 10/06/79
Location: BRUSH CREEK 5.6 RIVER MILES FROM WHITE RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF58
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005001 RF1 Mile Point: 5.070 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005005100.00 RF3 Mile Point: 0.01 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BRUSH CREEK 5.6 RIVER MILES FROM WHITE RIVER

Parameter Inventory for Station: BUFF0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	2250.	2250.	2250.	2250.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	672.	672.	672.	672.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	81.	81.	81.	81.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	99.	99.	99.	99.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	6400.	6400.	6400.	6400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0013

NPS Station ID: BUFF0013 LAT/LON: 36.079170/ -92.472781 Agency: 1116APCC Date Created: 02/03/90
Location: BIG CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS027 /BUFT18 /4J00039
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 125 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 1.00 On/Off RF1:
RF3 Index: 11010005000300.00 RF3 Mile Point: 0.04 Distance from RF3: 0.01 On/Off RF3:
Description:
POINT LOCATION: 300 FEET UPSTREAM FROM THE MOUTH -- ACCESS VIA BOAT 11.8 MILES BELOW RUSH OR FOOT/HORSEBACK 1.7 MILES FROM THE BIG CREEK WILDERNESS ACCESS

Parameter Inventory for Station: BUFF0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	58	21.35	20.002	31.2	5.2	54.496	7.382	8.99	14.175	26.	28.8
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/91-12/04/95	17	41.	101.118	560.	10.	25384.11	159.324	10.	19.5	101.5	484.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/14/93-12/09/96	8	33.5	58.25	161.	13.	2713.357	52.09	**	**	**	**
00065	STAGE, STREAM (FEET)	05/19/85-09/27/87	6	2.815	2.495	3.08	0.66	0.839	0.916	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	40	0.65	0.755	2.4	0.3	0.161	0.401	0.31	0.5	0.9	1.28
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	57	260.	257.772	308.	157.	992.786	31.509	219.8	236.	282.5	299.
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	46	9.6	9.715	14.	5.6	4.432	2.105	6.94	7.9	11.725	12.19
00400	PH (STANDARD UNITS)	06/24/86-12/09/96	53	8.1	8.1	8.6	7.11	0.073	0.27	7.774	7.975	8.265	8.5
00400	CONVERTED PH (STANDARD UNITS)	06/24/86-12/09/96	53	8.1	7.998	8.6	7.11	0.083	0.289	7.774	7.975	8.265	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/86-12/09/96	53	0.008	0.01	0.078	0.003	0.	0.011	0.003	0.005	0.011	0.017
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	27 ##	0.025	0.046	0.172	0.	0.002	0.042	0.016	0.025	0.068	0.106
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-09/27/89	5	0.1	0.12	0.2	0.1	0.002	0.045	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	27	0.06	0.145	0.61	0.01	0.031	0.175	0.01	0.03	0.18	0.45
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-10/26/92	10 ##	0.01	0.01	0.015	0.001	0.	0.005	0.001	0.007	0.015	0.015
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/94-08/08/94	3	141.	130.	147.	102.	597.	24.434	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/92-10/07/96	22	4.	3.636	4.	2.	0.338	0.581	3.	3.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/92-10/07/96	22	11.	11.	18.	6.	10.	3.162	6.6	8.75	13.	16.
01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	05/14/93-05/14/93	1	-0.1	-0.1	-0.1	-0.1	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/14/85-09/27/87	3	100.	83.333	140.	10.	4433.333	66.583	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	09/14/85-09/27/87	3	2.	1.715	2.146	1.	0.389	0.624	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			51.925								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	54	6.	14.611	220.	0.	1014.921	31.858	0.	2.	14.	32.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	54	0.778	0.77	2.342	0.	0.319	0.565	0.	0.301	1.146	1.505
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.891								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/92-10/07/96	21	0.015	0.032	0.114	0.	0.001	0.027	0.015	0.015	0.041	0.069
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/14/94-12/04/95	9	0.7	1.411	4.9	0.3	2.461	1.569	0.3	0.55	2.1	4.9

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

EPA Water Quality Criteria Analysis for Station: BUFF0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	40	0	0.00	21	0	0.00	8	0	0.00	11	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	46	0	0.00	25	0	0.00	12	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	53	0	0.00	28	0	0.00	12	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	53	0	0.00	28	0	0.00	12	0	0.00	13	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	27	0	0.00	14	0	0.00	8	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	11	0	0.00	8	0	0.00	3	0	0.00			
		Drinking Water	250.	22	0	0.00	11	0	0.00	8	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	11	0	0.00	8	0	0.00	3	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	54	1	0.02	29	1	0.03	11	0	0.00	14	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	31	22.2	20.99	31.2	7.2	53.574	7.319	9.24	14.5	26.3	30.32
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	21	0.7	0.829	2.4	0.3	0.259	0.509	0.3	0.55	1.	1.58
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	31	245.	249.226	305.	185.	971.847	31.174	209.4	228.	269.	298.4
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	25	9.2	9.38	14.	5.6	3.923	1.981	6.76	7.9	10.7	12.04
00400	PH (STANDARD UNITS)	06/24/86-12/09/96	28	8.085	8.089	8.6	7.53	0.063	0.251	7.759	7.955	8.21	8.562
00400	CONVERTED PH (STANDARD UNITS)	06/24/86-12/09/96	28	8.085	8.022	8.6	7.53	0.068	0.26	7.759	7.955	8.21	8.562
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/86-12/09/96	28	0.008	0.01	0.03	0.003	0.	0.006	0.003	0.006	0.011	0.017
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	14 ##	0.025	0.054	0.172	0.02	0.003	0.051	0.02	0.025	0.086	0.162
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	14	0.055	0.172	0.61	0.01	0.046	0.215	0.01	0.03	0.353	0.59
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	29	5.	19.448	220.	0.	1798.042	42.403	0.	2.	21.	45.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	29	0.699	0.777	2.342	0.	0.427	0.653	0.	0.301	1.322	1.653
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.984								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	12	11.	11.933	17.8	5.2	19.482	4.414	5.44	8.375	16.175	17.62
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	8	0.5	0.563	1.	0.3	0.046	0.213	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	12	264.	261.	300.	157.	1493.455	38.645	180.7	245.	287.75	298.8
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	12	11.8	11.542	13.9	8.8	2.274	1.508	8.92	10.525	12.325	13.75
00400	PH (STANDARD UNITS)	06/24/86-12/09/96	12	8.25	8.147	8.58	7.11	0.17	0.413	7.311	7.895	8.483	8.556
00400	CONVERTED PH (STANDARD UNITS)	06/24/86-12/09/96	12	8.25	7.894	8.58	7.11	0.24	0.49	7.311	7.895	8.483	8.556
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/86-12/09/96	12	0.006	0.013	0.078	0.003	0.	0.021	0.003	0.003	0.013	0.059
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	8 ##	0.025	0.027	0.068	0.	0.	0.019	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	8	0.07	0.118	0.39	0.01	0.016	0.128	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	11	6.	8.	20.	0.	57.8	7.603	0.	0.	14.	19.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	11	0.778	0.677	1.301	0.	0.286	0.535	0.	0.	1.146	1.292
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.758								

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/85-12/09/96	15	25.	24.413	28.9	18.	12.951	3.599	18.6	21.7	28.	28.84
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-12/09/96	11	0.8	0.755	1.1	0.5	0.037	0.192	0.5	0.6	0.9	1.06
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/19/85-12/09/96	14	270.5	273.929	308.	250.	305.302	17.473	252.5	259.75	284.25	303.5
00300	OXYGEN, DISSOLVED MG/L	07/27/88-12/09/96	9	7.7	8.211	11.2	6.8	2.139	1.462	6.8	7.05	9.3	11.2
00400	PH (STANDARD UNITS)	06/24/86-12/09/96	13	8.03	8.078	8.36	7.88	0.016	0.126	7.92	8.01	8.135	8.324
00400	CONVERTED PH (STANDARD UNITS)	06/24/86-12/09/96	13	8.03	8.063	8.36	7.88	0.016	0.127	7.92	8.01	8.135	8.324
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/86-12/09/96	13	0.009	0.009	0.013	0.004	0.	0.002	0.005	0.007	0.01	0.012
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-10/07/96	5	0.06	0.052	0.094	0.	0.002	0.039	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-10/07/96	5	0.06	0.112	0.3	0.01	0.014	0.12	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	14	6.	9.786	36.	0.	106.335	10.312	1.5	4.75	10.5	33.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/85-12/09/96	14	0.778	0.829	1.556	0.	0.15	0.388	0.239	0.675	1.02	1.517
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.745								

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

Station Inventory for Station: BUFF0014

NPS Station ID: BUFF0014 LAT/LON: 36.075837/ -92.473060 Agency: 21ARUNFA Date Created: 10/06/79
Location: BIG CREEK- APPR 0.4 MILES UPSTREAM FROM BUFFALO FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF53
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005027 RF1 Mile Point: 0.300 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005097300.00 RF3 Mile Point: 0.73 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BIG CREEK- APPR 0.4 MILES UPSTREAM FROM BUFFALO RIVER ; RM 13.1

Parameter Inventory for Station: BUFF0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	534.	534.	534.	534.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	1070.	1070.	1070.	1070.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	98.	98.	98.	98.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	262.	262.	262.	262.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	235.	235.	235.	235.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	6500.	6500.	6500.	6500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0015

NPS Station ID: BUFF0015
LAT/LON: 35.978615/ -92.481393
Agency: 11TRAIN
Date Created: 02/22/97
Location: BIG CREEK NEA
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07057100
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0015

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: BUFF0016

NPS Station ID: BUFF0016
LAT/LON: 35.978615/ -92.481393
Agency: 112WRD
Date Created: / /
Location: BIG CREEK NEAR BIG FLAT, ARK.
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07057100
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 1.50
On/Off RF1:
RF3 Index: 11010005002607.48
RF3 Mile Point: 7.57
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/31/87-05/18/95	6	20.95	20.55	25.5	15.5	13.275	3.643	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/17/94-05/18/95	3	21.7	22.167	24.	20.8	2.723	1.65	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	05/17/94-05/18/95	3	754.	750.	756.	740.	76.	8.718	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/12/63-05/18/95	5	7.	39.2	140.	4.	3368.7	58.041	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/31/87-05/18/95	4	7.5	6.5	11.	0.	21.667	4.655	**	**	**	**
00065	STAGE, STREAM (FEET)	05/18/95-05/18/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/12/63-11/17/64	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/63-05/18/95	8	301.	296.5	305.	275.	121.143	11.006	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/17/94-05/18/95	3	10.7	10.133	12.1	7.6	5.303	2.303	**	**	**	**
00400	PH (STANDARD UNITS)	08/12/63-05/18/95	5	8.2	8.03	8.52	7.3	0.22	0.469	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/12/63-05/18/95	5	8.2	7.804	8.52	7.3	0.284	0.533	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/63-05/18/95	5	0.006	0.016	0.05	0.003	0.	0.02	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/17/94-05/18/95	3	7.9	7.833	7.9	7.7	0.013	0.115	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/17/94-05/18/95	3	7.9	7.823	7.9	7.7	0.014	0.116	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/17/94-05/18/95	3	0.013	0.015	0.02	0.013	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/63-08/12/63	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/17/94-05/18/95	3	146.	147.667	158.	139.	92.333	9.609	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/12/63-11/17/64	2	180.	180.	188.	172.	128.	11.314	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/12/63-11/17/64	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/17/94-05/18/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/17/94-05/18/95	3	180.	181.667	195.	170.	158.333	12.583	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/17/94-05/18/95	3	0.02	0.015	0.02	0.005	0.	0.009	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/17/94-05/18/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/17/94-05/18/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/17/94-05/18/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/17/94-05/18/95	3	0.2	0.233	0.3	0.2	0.003	0.058	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/17/94-05/18/95	3	0.02	0.015	0.02	0.005	0.	0.009	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/17/94-05/18/95	3	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/17/94-05/18/95	3	0.02	0.017	0.02	0.01	0.	0.006	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/17/94-05/18/95	3	2.	2.1	3.7	0.6	2.41	1.552	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/17/94-05/18/95	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/12/63-11/17/64	2	150.	150.	160.	140.	200.	14.142	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/12/63-11/17/64	2	3.	3.	6.	0.	18.	4.243	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/12/63-05/18/95	5	56.	56.4	59.	54.	6.3	2.51	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/12/63-05/18/95	5	2.	2.48	5.	1.2	2.132	1.46	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/12/63-05/18/95	5	2.3	2.38	2.8	2.1	0.077	0.277	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/12/63-11/17/64	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/12/63-05/18/95	5	0.9	0.94	1.1	0.8	0.023	0.152	**	**	**	**

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

Parameter Inventory for Station: BUFF0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/63-05/18/95	5	4.	3.4	4.	1.	1.8	1.342	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/63-05/18/95	5	7.	7.8	10.	6.	2.7	1.643	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/12/63-05/18/95	5 ##	0.05	0.03	0.05	0.	0.001	0.027	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/12/63-05/18/95	5	7.4	8.28	9.9	7.2	1.817	1.348	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/17/94-05/18/95	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/17/94-05/18/95	3	28.	27.667	29.	26.	2.333	1.528	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/17/94-05/18/95	3 ##	0.25	0.333	0.5	0.25	0.021	0.144	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/17/94-05/18/95	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/17/94-05/18/95	3 ##	2.5	2.667	3.	2.5	0.083	0.289	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/17/94-05/18/95	3 ##	1.5	1.167	1.5	0.5	0.333	0.577	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/17/94-05/18/95	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/17/94-05/18/95	3 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/17/94-05/18/95	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/17/94-05/18/95	3	1.	1.167	2.	0.5	0.583	0.764	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/17/94-05/18/95	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/94-05/18/95	3 ##	5.	4.333	5.	3.	1.333	1.155	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	05/17/94-05/18/95	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/17/94-09/12/94	2	84.5	84.5	89.	80.	40.5	6.364	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	05/17/94-09/12/94	2 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/17/94-05/18/95	3 ##	1.5	1.333	1.5	1.	0.083	0.289	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/18/95-05/18/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/18/95-05/18/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/17/94-09/12/94	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/17/94-05/18/95	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	2 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/17/94-05/18/95	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	2 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	05/18/95-05/18/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-05/18/95	2	58.	58.	110.	6.	5408.	73.539	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-05/18/95	2	1.41	1.41	2.041	0.778	0.798	0.893	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			25.69								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/17/94-05/18/95	3	120.	81.667	120.	5.	4408.333	66.395	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/17/94-05/18/95	3	2.079	1.619	2.079	0.699	0.635	0.797	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			41.602								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-05/18/95	3	78.	118.333	230.	47.	9592.333	97.94	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-05/18/95	3	1.892	1.975	2.362	1.672	0.124	0.352	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			94.473								
34253	A-BHC-ALPHA DISSUG/L	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/17/94-05/18/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/17/94-05/18/95	2 ##	0.003	0.003	0.004	0.003	0.	0.001	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/17/94-05/18/95	3	147.	148.667	159.	140.	92.333	9.609	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/17/94-05/18/95	2 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/18/95	2 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/18/95	2 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	05/17/94-05/18/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49235	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49260	INVALID PARAMETER	05/18/95-05/18/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49291	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49311	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/12/63-05/18/95	5	168.	166.6	175.	154.	76.8	8.764	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/12/63-11/17/64	2	2.535	2.535	3.19	1.88	0.858	0.926	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/12/63-11/17/64	2	0.23	0.23	0.24	0.22	0.	0.014	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/17/94-05/18/95	3	44.	55.667	82.	41.	522.333	22.855	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/12/63-11/17/64	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	08/12/63-11/17/64	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	08/12/63-08/12/63	1	10.	10.	10.	10.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/17/94-05/18/95	3	2.	2.667	5.	1.	4.333	2.082	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/17/94-05/18/95	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/17/94-05/18/95	2 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	2 ##	0.023	0.023	0.025	0.02	0.	0.004	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/18/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0016

Parameter				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00				2	0	0.00			
00400	PH	Other-Hi Lim.	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			
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00				2	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	3	0	0.00	1	0	0.00				2	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	4.	3	0	0.00	1	0	0.00				2	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	1300.	3	0	0.00	1	0	0.00				2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00				2	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00				2	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	2	0	0.00							2	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	2	0	0.00							2	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	2	0	0.00							2	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	2	0	0.00							2	0	0.00			
		Drinking Water	0.2	2	0	0.00							2	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	2	0	0.00							2	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	2	0	0.00							2	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.	2	0	0.00							2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: BUFF0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: BUFF0017

NPS Station ID: BUFF0017 | LAT/LON: 35.979170/ -92.481948 | Agency: 21ARAPCC | Date Created: 08/12/77
Location: BIG CREEK NR HARRIET HWY 14 | FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 060310 /4J144
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 11010005 | Depth of Water: 0 | Aquifer:
Major Basin: SC LOWER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: WHITE RIVER | ECO Region:
RF1 Index: 11010005028 | RF1 Mile Point: 6.740 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 11010005000504.30 | RF3 Mile Point: 5.87 | Distance from RF3: 0.13 | On/Off RF3:
Description:
A BASIN SURVEY STATION INITIATED IN THE SUMMERS OF 1970-1971 AS PART OF A STUDY OF THE WATER QUALITY AND SOURCES OF POLLUTION IN THE ARKANSAS PORTION OF THE WHITE RIVER BASIN THIS STATION IS LOCATED ON BIG CREEK NEAR HARRIET AT HIGHWAY 14
THIS STATION WAS ORIGINALLY DESIGNATED AS 121UA SECTION 33 TOWNSHIP 16 NORTH RANGE 14 WEST IN SEARCY COUNTY ARKANSAS

Parameter Inventory for Station: BUFF0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/71-07/19/71	4	25.	25.375	26.5	25.	0.563	0.75	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/71-07/19/71	4	29.5	29.25	31.	27.	2.917	1.708	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/71-07/19/71	4 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/71-07/19/71	4	272.	278.25	328.	241.	1314.25	36.253	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/13/71-07/19/71	4	8.5	8.55	9.2	8.	0.41	0.64	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/13/71-07/19/71	4	1.35	1.25	1.8	0.5	0.31	0.557	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/71-07/19/71	4	6.95	6.95	7.3	6.6	0.083	0.289	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/71-07/19/71	4	6.947	6.88	7.3	6.6	0.09	0.3	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/71-07/19/71	4	0.113	0.132	0.251	0.05	0.007	0.086	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/71-07/19/71	4	158.	156.25	171.	138.	218.25	14.773	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/71-07/19/71	4	3.	3.25	4.	3.	0.25	0.5	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	2	0	0.00				2	0	0.00			
00400	PH	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	250.	4	0	0.00	2	0	0.00				2	0	0.00			

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

Station Inventory for Station: BUFF0018

NPS Station ID: BUFF0018 LAT/LON: 36.106392/ -92.489726 Agency: 21ARUNFA Date Created: 10/06/79
Location: BRUSH CREEK- APPR 300 YDS UPST FR BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF52
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005002 RF1 Mile Point: 2.490 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000203.58 RF3 Mile Point: 3.57 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BRUSH CREEK- APPR 300 YDS UPSTREAM FROM BUFFALO RIVER

Parameter Inventory for Station: BUFF0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	2683.	2683.	2683.	2683.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	623.	623.	623.	623.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	113.	113.	113.	113.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	270.	270.	270.	270.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	1	440.	440.	440.	440.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	8000.	8000.	8000.	8000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0019

NPS Station ID: BUFF0019
LAT/LON: 36.133337/ -92.500005
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BOAT CR- APPR 0.4 MI UPST FR BUFFALO R
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF50
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005002
RF1 Mile Point: 6.710
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005096600.28
RF3 Mile Point: 0.28
Distance from RF3: 0.00
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BOAT CREEK- APPR 0.4 MILE UPSTREAM FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	2	4160.	4160.	4160.	4160.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	2	1007.	1007.	1007.	1007.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	95.	95.	95.	95.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	2	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	2	145.	145.	145.	145.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	2	134.	134.	134.	134.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	2	7000.	7000.	7000.	7000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0020

NPS Station ID: BUFF0020 LAT/LON: 36.142503/ -92.511670 Agency: 21ARUNFA Date Created: 10/06/79
Location: CEDAR CREEK- 0.7 MI FR CONF WITH BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF49
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005002 RF1 Mile Point: 6.870 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005096500.00 RF3 Mile Point: 1.87 Distance from RF3: 0.04 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
CEDAR CREEK- 0.7 MILE FROM CONFLUENCE WITH BUFFALO RIVER

Parameter Inventory for Station: BUFF0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	2	15850.	15850.	15850.	15850.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	2	2150.	2150.	2150.	2150.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	2	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	14.7	14.7	14.7	14.7	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	2	257.	257.	257.	257.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	12.3	12.3	12.3	12.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	2	166.	166.	166.	166.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	2	6700.	6700.	6700.	6700.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0021

NPS Station ID: BUFF0021 LAT/LON: 36.131948/ -92.513338 Agency: 1116APCC Date Created: 02/03/90
Location: CEDAR CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS028 /BUFT19 /4J00040
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 140 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39M
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.90 On/Off RF1:
RF3 Index: 11010005023000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
POINT LOCATION: 100 FEET UPSTREAM FROM THE MOUTH -- ACCESS UNPAVED ROAD 3.4 MILES FROM THE HATHAWAY WILDERNESS ACCESS (VIA HIGHWAY 62 AND 101)

Parameter Inventory for Station: BUFF0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/18/85-09/27/89	17	21.5	20.706	25.5	10.7	14.832	3.851	14.14	19.1	23.75	25.1
00065	STAGE, STREAM (FEET)	07/27/89-08/16/89	2	-0.375	-0.375	-0.3	-0.45	0.011	0.106	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-09/27/89	9	0.9	7.4	55.	0.4	320.555	17.904	0.4	0.75	3.35	55.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/18/85-09/27/89	16	375.	371.813	450.	192.	3307.763	57.513	297.	351.75	411.	438.1
00300	OXYGEN, DISSOLVED MG/L	07/27/88-09/27/89	7	8.3	8.214	9.5	7.2	0.528	0.727	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/87-09/27/89	12	8.075	8.097	8.32	7.8	0.028	0.169	7.824	7.975	8.248	8.311
00400	CONVERTED PH (STANDARD UNITS)	06/23/87-09/27/89	12	8.074	8.066	8.32	7.8	0.029	0.172	7.824	7.975	8.247	8.311
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/87-09/27/89	12	0.008	0.009	0.016	0.005	0.	0.003	0.005	0.006	0.011	0.015
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-06/12/95	2	0.043	0.043	0.066	0.02	0.001	0.033	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-06/04/89	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-06/12/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-06/04/89	1	0.023	0.023	0.023	0.023	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/12/95-06/12/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/12/95-06/12/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/13/85-09/26/87	2	220.	220.	240.	200.	800.	28.284	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	09/13/85-09/26/87	2	2.341	2.341	2.38	2.301	0.003	0.056	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			219.089								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/18/85-09/27/89	16	19.	28.125	110.	2.	799.183	28.27	2.	8.5	40.	79.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/18/85-09/27/89	16	1.278	1.235	2.041	0.301	0.239	0.489	0.301	0.927	1.602	1.886
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.168								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/12/95-06/12/95	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	1	0.11	6	0	0.00				3	1	0.33			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	6	0	0.00				1	0	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: BUFF0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	12	0	0.00	8	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	8	0	0.00				4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00							2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
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.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	16	0	0.00	11	0	0.00				5	0	0.00			

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

Station Inventory for Station: BUFF0022

NPS Station ID: BUFF0022 LAT/LON: 36.116115/ -92.521948 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R- APPR 1.2 MI DNST FR BOAT CREEK FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF51
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005002 RF1 Mile Point: 5.510 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005097000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER- APPR 1.2 MILES DOWNSTREAM FROM BOAT CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	2	1615.	1615.	1615.	1615.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	2	463.	463.	463.	463.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	2	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	2	287.	287.	287.	287.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	2	113.	113.	113.	113.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	2	8000.	8000.	8000.	8000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0023

NPS Station ID: BUFF0023 LAT/LON: 36.138337/ -92.532503 Agency: 21ARUNFA Date Created: 10/06/79
Location: CABIN CREEK- APPR 0.8 MI UPST FR BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF48
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005003 RF1 Mile Point: 0.210 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000207.27 RF3 Mile Point: 7.27 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
CABIN CREEK- APPR 0.8 MILE UPSTREAM FROM BUFFALO RIVER

Parameter Inventory for Station: BUFF0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	2	6100.	6100.	6100.	6100.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	2	1140.	1140.	1140.	1140.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	2	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	2	343.	343.	343.	343.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	2	198.	198.	198.	198.	0.	0.	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	2	8400.	8400.	8400.	8400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0024

NPS Station ID: BUFF0024
LAT/LON: 36.113892/ -92.538892
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO R ACROSS FROM CLABBER CR TOP OF BANK
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF45
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005002
RF1 Mile Point: 8.190
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005023600.00
RF3 Mile Point: 0.24
Distance from RF3: 0.23
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER ACROSS FROM CLABBER CREEK TOP OF SAND BANK

Parameter Inventory for Station: BUFF0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	594.	594.	594.	594.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	215.	215.	215.	215.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	69.	69.	69.	69.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	91.	91.	91.	91.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	94.	94.	94.	94.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	5700.	5700.	5700.	5700.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0025

NPS Station ID: BUFF0025 LAT/LON: 36.113892/ -92.538892 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R ACROSS FROM CLABBER CR 3 FT UP BANK FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF44
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005002 RF1 Mile Point: 8.190 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000207.98 RF3 Mile Point: 8.99 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER ACROSS FROM CLABBER CREEK 3 FEET UP SAND BANK

Parameter Inventory for Station: BUFF0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-06/20/73	1	3640.	3640.	3640.	3640.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-06/20/73	1	593.	593.	593.	593.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	154.	154.	154.	154.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-06/20/73	1	343.	343.	343.	343.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-06/20/73	1	91.	91.	91.	91.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-06/20/73	1	9600.	9600.	9600.	9600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0026

NPS Station ID: BUFF0026 LAT/LON: 36.125005/ -92.539449 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R- 0.4 MI DNST FR CLABBER CREEK CONF FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF47
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005002 RF1 Mile Point: 8.340 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000400.47 RF3 Mile Point: 0.47 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER- 0.4 MILE DOWNSTREAM FROM CLABBER CREEK CONF; 13.1 RM

Parameter Inventory for Station: BUFF0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	2	5250.	5250.	5250.	5250.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	2	1180.	1180.	1180.	1180.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	111.	111.	111.	111.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	2	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	2	212.	212.	212.	212.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	2	234.	234.	234.	234.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	2	8100.	8100.	8100.	8100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0027

NPS Station ID: BUFF0027
LAT/LON: 36.128337/ -92.545559
Agency: 21ARUNFA
Date Created: 10/06/79
Location: MTH OF CLABBER CR AT BUFFALO RIVER
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF38
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005003
RF1 Mile Point: 0.100
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005000400.47
RF3 Mile Point: 0.47
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
MOUTH OF CLABBER CREEK AT BUFFALO RIVER

Parameter Inventory for Station: BUFF0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/20/74-03/06/75	4	53.25	51.625	62.	38.	99.896	9.995	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	02/04/73-03/26/75	7	18375.	18894.857	33400.	2500.	161747057.476	12717.982	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	02/04/73-03/26/75	9	5875.	5115.111	8750.	300.	9122089.611	3020.28	300.	2238.	7474.	8750.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/20/74-03/06/75	4	26.35	26.575	28.	25.6	1.402	1.184	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-03/06/75	4	0.01	0.011	0.02	0.004	0.	0.007	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-03/06/75	4	0.02	0.016	0.02	0.004	0.	0.008	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/20/74-03/06/75	4	1.135	1.133	1.21	1.05	0.007	0.084	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-03/26/75	8	25.	27.125	61.	2.	293.839	17.142	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/20/74-03/06/75	4	0.86	0.862	1.02	0.71	0.017	0.131	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-03/06/75	4	0.005	0.006	0.01	0.003	0.	0.003	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-03/26/75	8	87.5	89.625	160.	11.	2678.554	51.755	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/20/74-03/06/75	4	1.	1.125	2.	0.5	0.396	0.629	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-06/17/74	2	0.25	0.25	0.4	0.1	0.045	0.212	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/04/73-03/26/75	9	4.6	4.197	8.	0.7	5.781	2.404	0.7	1.935	6.15	8.
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	8	4.	7.375	28.	2.	72.554	8.518	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-03/06/75	4	2.	1.75	2.	1.	0.25	0.5	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-06/17/74	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-03/06/75	4	3.	3.25	5.	2.	2.25	1.5	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-06/17/74	2	0.55	0.55	0.7	0.4	0.045	0.212	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-03/26/75	8	8.	12.25	30.	4.	81.643	9.036	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/74-03/06/75	4	1.	1.15	2.	0.6	0.357	0.597	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-05/21/74	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-03/26/75	8	8.	8.	12.	5.	4.571	2.138	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-03/06/75	4	14.5	14.25	17.	11.	6.25	2.5	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/20/74-03/06/75	4	3.	4.5	11.	1.	22.333	4.726	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/74-03/06/75	4	2.5	2.5	4.	1.	1.667	1.291	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-06/17/74	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-03/26/75	8	14.	17.625	40.	5.	130.839	11.439	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	02/04/73-03/26/75	9	312.	489.667	1825.	178.	265561.5	515.327	178.	243.	497.	1825.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-03/06/75	4	1.1	1.25	2.	0.8	0.277	0.526	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/20/74-03/06/75	4	8.	7.75	9.3	5.7	2.91	1.706	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-03/06/75	4	3.5	3.5	5.	2.	3.	1.732	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-06/17/74	2	0.8	0.8	1.	0.6	0.08	0.283	**	**	**	**

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

Parameter Inventory for Station: BUFF0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	8	9.	12.625	36.	5.	109.125	10.446	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	2	33.5	33.5	35.	32.	4.5	2.121	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	2	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/74-03/06/75	4	4.	14.	46.	2.	456.667	21.37	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-03/06/75	4	0.65	0.9	2.	0.3	0.647	0.804	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	02/04/73-03/26/75	9	365.	598.444	2500.	136.	535477.528	731.763	136.	219.5	570.	2500.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	2	0.06	0.06	0.1	0.02	0.003	0.057	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	02/04/73-03/26/75	9	0.6	801.522	7200.	0.4	5757262.842	2399.43	0.4	0.5	4.	7200.
81357	CALCIUM SUSPENDED MG/L	05/21/74-03/06/75	4	0.025	0.028	0.04	0.02	0.	0.01	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0027

				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	2	0	0.00							2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	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			
01050	LEAD, SUSPENDED	Fresh Acute	82.	2	0	0.00							2	0	0.00			
		Drinking Water	15.	2	0	0.00							2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: BUFF0028

NPS Station ID: BUFF0028 LAT/LON: 36.129448/ -92.545559 Agency: 21ARUNFA Date Created: 10/06/79
Location: MOUTH OF CLABBER CREEK AT BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CLAB01
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005003 RF1 Mile Point: 0.100 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000405.74 RF3 Mile Point: 6.77 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM MOUTH OF CLABBER CREEK AT BUFFALO RIVER

Parameter Inventory for Station: BUFF0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/19/75	3	33400.	41833.333	73750.	18350.	820630833.333	28646.655	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/19/75	3	5750.	5424.333	6303.	4220.	1164266.333	1079.012	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-07/19/75	2	21.1	21.1	42.	0.2	873.62	29.557	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-07/19/75	2	128.5	128.5	174.	83.	4140.5	64.347	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/19/75	3	3.5	3.5	4.6	2.4	1.21	1.1	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/19/75	2	9.3	9.3	14.	4.6	44.18	6.647	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-07/19/75	2	9.95	9.95	11.	8.9	2.205	1.485	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-07/19/75	2	6.05	6.05	9.	3.1	17.405	4.172	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-07/19/75	2	17.5	17.5	26.	9.	144.5	12.021	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/19/75	3	335.	248.	339.	70.	23767.	154.165	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/19/75	2	12.4	12.4	21.	3.8	147.92	12.162	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/19/75	3	223.	262.333	365.	199.	8049.333	89.718	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/19/75	3	4200.	4433.333	5500.	3600.	943333.333	971.253	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0029

NPS Station ID: BUFF0029 LAT/LON: 36.129170/ -92.545837 Agency: 1116APCC Date Created: 02/03/90
Location: CLABBER CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS026 /BUFT17 /4J00038
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 140 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39M
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.20 On/Off RF1:
RF3 Index: 11010005093900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
POINT LOCATION: 150 FEET UPSTREAM FROM THE MOUTH -- ACCESS FROM RUSH RIVER ACCESS 1200 FEET DOWNSTREAM

Parameter Inventory for Station: BUFF0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	84	19.45	18.675	31.5	1.8	58.758	7.665	6.95	12.025	25.5	27.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/19/90-02/26/91	5	30.	26.2	39.	10.	134.7	11.606	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/07/92-11/28/95	21	16.	17.552	55.	0.	240.707	15.515	0.36	2.	25.	44.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/05/96	10	19.5	17.85	32.	0.5	95.781	9.787	0.65	13.25	23.75	31.4
00065	STAGE, STREAM (FEET)	04/12/85-01/24/95	50	-0.2	1.206	32.24	-1.	34.236	5.851	0.146	0.36	-0.353	-0.68
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	51	0.6	1.265	22.	0.3	9.526	3.086	0.4	0.4	0.9	1.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	77	397.	388.013	478.	18.	3672.697	60.603	318.8	373.	418.5	441.4
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	63	10.3	10.386	17.5	8.	3.763	1.94	8.4	8.8	11.1	13.22
00400	PH (STANDARD UNITS)	06/17/87-11/05/96	66	8.285	8.283	8.88	7.75	0.045	0.212	8.022	8.165	8.413	8.553
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-11/05/96	66	8.285	8.23	8.88	7.75	0.048	0.219	8.022	8.165	8.413	8.553
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-11/05/96	66	0.005	0.006	0.018	0.001	0.	0.003	0.003	0.004	0.007	0.01
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/93-12/07/93	3	252.	254.667	269.	243.	174.333	13.204	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	52 ##	0.025	0.033	0.13	0.	0.001	0.027	0.003	0.025	0.025	0.085
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-12/18/90	14	0.2	0.182	0.32	0.05	0.01	0.098	0.05	0.1	0.268	0.32
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	53	0.04	0.118	0.95	0.005	0.027	0.165	0.01	0.01	0.175	0.292
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-09/01/92	21 ##	0.015	0.018	0.1	0.001	0.	0.022	0.001	0.002	0.015	0.038
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/93-06/14/94	5	243.	248.6	269.	237.	159.3	12.621	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/05/96	47	3.	3.234	6.	2.	0.661	0.813	2.	3.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/90-11/05/96	51	7.	6.902	13.	1.	6.89	2.625	3.	5.	9.	10.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/14/91-05/14/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/04/85-09/26/87	5	115.	167.	415.	90.	19457.5	139.49	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	08/04/85-09/26/87	5	2.061	2.137	2.618	1.954	0.076	0.276	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			137.034								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	78	20.5	128.513	3910.	0.	299494.149	547.261	0.	6.	46.25	130.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	78	1.312	1.271	3.592	0.	0.55	0.742	0.	0.778	1.665	2.115
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.655								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/19/90-11/05/96	51 ##	0.015	0.015	0.056	0.	0.	0.01	0.	0.015	0.015	0.015

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

Parameter Inventory for Station: BUFF0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/28/95	12	0.65	2.875	23.	0.4	40.793	6.387	0.43	0.5	2.275	16.88

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

EPA Water Quality Criteria Analysis for Station: BUFF0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	51	0	0.00	28	0	0.00	11	0	0.00	12	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	63	0	0.00	35	0	0.00	16	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	66	0	0.00	36	0	0.00	15	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	66	0	0.00	36	0	0.00	15	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	53	0	0.00	32	0	0.00	10	0	0.00	11	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	47	0	0.00	30	0	0.00	9	0	0.00	8	0	0.00			
		Drinking Water	250.	47	0	0.00	30	0	0.00	9	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	51	0	0.00	30	0	0.00	12	0	0.00	9	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	78	4	0.05	42	3	0.07	17	0	0.00	19	1	0.05			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	45	21.3	19.793	31.5	1.8	64.749	8.047	6.96	13.4	26.4	30.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	28	0.6	1.564	22.	0.3	16.328	4.041	0.4	0.5	0.975	1.97
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	42	396.5	395.857	478.	288.	1431.93	37.841	350.1	372.75	415.	445.1
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	35	10.3	10.277	17.5	8.	4.408	2.1	8.32	8.7	10.7	12.56
00400	PH (STANDARD UNITS)	06/17/87-11/05/96	36	8.245	8.229	8.59	7.75	0.04	0.199	7.867	8.125	8.358	8.464
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-11/05/96	36	8.245	8.182	8.59	7.75	0.042	0.205	7.867	8.125	8.357	8.464
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-11/05/96	36	0.006	0.007	0.018	0.003	0.	0.003	0.003	0.004	0.008	0.014
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	30 ##	0.025	0.031	0.11	0.	0.	0.022	0.021	0.025	0.025	0.068
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	32	0.03	0.136	0.95	0.005	0.039	0.198	0.01	0.01	0.218	0.408
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/05/96	30	3.	3.4	6.	2.	0.731	0.855	3.	3.	4.	4.9
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/90-11/05/96	30	6.	6.633	13.	1.	7.206	2.684	3.	5.5	8.25	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	42	20.5	197.071	3910.	0.	545347.97	738.477	0.6	9.75	41.	178.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	42	1.312	1.319	3.592	0.	0.6	0.774	0.09	0.989	1.612	2.244
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.836								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/19/90-11/05/96	30 ##	0.015	0.017	0.056	0.	0.	0.011	0.002	0.015	0.015	0.038

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	19	12.	11.284	18.9	3.8	16.876	4.108	4.9	7.2	13.5	17.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	11	0.4	0.473	0.7	0.3	0.024	0.156	0.3	0.3	0.6	0.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	17	391.	355.765	441.	18.	10755.441	103.708	202.8	307.5	421.5	436.2
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	16	11.25	11.713	14.3	9.9	1.735	1.317	10.32	10.625	13.075	13.74
00400	PH (STANDARD UNITS)	06/17/87-11/05/96	15	8.4	8.425	8.88	8.11	0.047	0.218	8.116	8.27	8.61	8.73
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-11/05/96	15	8.4	8.376	8.88	8.11	0.05	0.223	8.116	8.27	8.61	8.73
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-11/05/96	15	0.004	0.004	0.008	0.001	0.	0.002	0.002	0.002	0.005	0.008
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	11 ##	0.025	0.03	0.13	0.	0.001	0.035	0.	0.025	0.025	0.109
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	10	0.04	0.081	0.27	0.01	0.007	0.081	0.011	0.035	0.118	0.26
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/05/96	9	3.	3.	4.	2.	0.5	0.707	2.	2.5	3.5	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/90-11/05/96	12	8.5	8.167	12.	5.	5.424	2.329	5.	5.5	9.75	11.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	17	12.	26.647	92.	0.	874.868	29.578	0.	4.	44.	87.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	17	1.079	1.093	1.964	0.	0.394	0.628	0.	0.602	1.643	1.94
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.394								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/19/90-11/05/96	12 ##	0.015	0.013	0.031	0.	0.	0.008	0.	0.011	0.015	0.026

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	20	22.9	23.18	28.5	17.7	11.795	3.434	18.02	20.625	26.275	27.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	12	0.75	1.292	6.	0.4	2.341	1.53	0.43	0.625	1.175	4.74
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	18	398.5	400.167	469.	292.	1494.5	38.659	346.	385.75	427.	455.5
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	12	8.85	8.933	9.9	8.2	0.317	0.563	8.2	8.525	9.425	9.84
00400	PH (STANDARD UNITS)	06/17/87-11/05/96	15	8.28	8.269	8.56	7.84	0.034	0.183	7.966	8.18	8.37	8.518
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-11/05/96	15	8.28	8.229	8.56	7.84	0.035	0.188	7.966	8.18	8.37	8.518
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-11/05/96	15	0.005	0.006	0.014	0.003	0.	0.003	0.003	0.004	0.007	0.011
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	11	0.025	0.042	0.09	0.	0.001	0.033	0.002	0.025	0.086	0.09
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	11	0.05	0.1	0.3	0.005	0.011	0.105	0.006	0.03	0.17	0.296
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/05/96	8	3.	2.875	4.	2.	0.411	0.641	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/90-11/05/96	9	7.	6.111	10.	2.	6.111	2.472	2.	4.	7.5	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	19	34.	68.105	504.	0.	13590.988	116.58	0.	4.	74.	180.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	19	1.531	1.323	2.702	0.	0.598	0.773	0.	0.602	1.869	2.255

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0029

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 =			21.061								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/19/90-11/05/96	9 ##	0.015	0.013	0.015	0.	0.	0.005	0.	0.015	0.015	0.015

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

Station Inventory for Station: BUFF0030

NPS Station ID: BUFF0030 LAT/LON: 36.132781/ -92.547782 Agency: 21ARUNFA Date Created: 10/06/79
Location: CLABBER CR APPR 350 FT UPST FROM LEADER HOLLOW FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CLAB02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005003 RF1 Mile Point: 0.550 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000300.00 RF3 Mile Point: 0.06 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CLABBER CREEK APPROXIMATELY 350 FEET UPSTREAM FROM LEADER HOLLOW

Parameter Inventory for Station: BUFF0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	1	58000.	58000.	58000.	58000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	1	7240.	7240.	7240.	7240.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	1	175.	175.	175.	175.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	1	62.	62.	62.	62.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	1	178.	178.	178.	178.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	1	5600.	5600.	5600.	5600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0031

NPS Station ID: BUFF0031 LAT/LON: 36.124448/ -92.549171 Agency: 1116APCC Date Created: 02/03/90
Location: RUSH CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS025 /BUFT16 /4J00037
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 140 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39M
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 2.00 On/Off RF1:
RF3 Index: 11010005000100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
POINT LOCATION: AT THE MOUTH OF THE CREEK -- ACCESS AT RUSH RIVER ACCESS 5.3 MILES NORTHEAST OF HIGHWAY 14

Parameter Inventory for Station: BUFF0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	84	16.35	16.242	25.	7.1	18.075	4.251	10.85	12.65	19.9	21.35
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/24/90-02/26/91	7	22.	24.429	39.	11.	84.952	9.217	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/07/92-11/28/95	20	9.	17.7	139.	1.	958.747	30.964	2.	2.5	20.	50.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/05/96	10	9.5	8.6	14.	2.	17.156	4.142	2.	5.75	11.5	13.9
00065	STAGE, STREAM (FEET)	04/12/85-09/01/92	25	-0.01	0.108	4.15	-3.5	1.71	1.308	0.1	0.185	-0.32	-0.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	51	0.6	0.955	5.5	0.4	0.92	0.959	0.4	0.5	0.9	1.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	76	318.5	311.961	386.	155.	1774.518	42.125	243.8	299.25	336.75	358.3
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	65	10.	10.114	15.5	7.6	2.3	1.516	8.58	8.95	10.85	12.1
00400	PH (STANDARD UNITS)	06/17/87-11/05/96	68	8.105	8.067	8.53	6.88	0.057	0.239	7.796	7.993	8.2	8.31
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-11/05/96	68	8.105	7.962	8.53	6.88	0.068	0.262	7.796	7.993	8.2	8.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-11/05/96	68	0.008	0.011	0.132	0.003	0.	0.016	0.005	0.006	0.01	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/93-12/07/93	3	181.	180.	185.	174.	31.	5.568	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	54 ##	0.025	0.038	0.25	0.	0.002	0.049	0.	0.025	0.025	0.075
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-12/18/90	16	0.12	0.176	0.35	0.05	0.009	0.097	0.085	0.1	0.25	0.35
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	55	0.11	0.148	0.58	0.02	0.01	0.099	0.052	0.08	0.19	0.282
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-11/23/92	26 ##	0.015	0.014	0.07	0.001	0.	0.016	0.001	0.001	0.015	0.036
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/93-06/14/94	5	181.	182.8	199.	174.	102.2	10.109	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/90-11/05/96	50	3.	3.52	7.	1.	2.051	1.432	2.	2.75	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/90-11/05/96	53	6.	6.226	11.	2.	4.255	2.063	3.4	5.	8.	9.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/14/91-05/14/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/04/85-09/26/87	5	124.	146.8	225.	100.	3118.7	55.845	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	08/04/85-09/26/87	5	2.093	2.143	2.352	2.	0.026	0.16	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			138.853								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	78	7.	33.962	585.	0.	7916.999	88.978	0.	2.75	26.	80.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	78	0.845	0.941	2.767	0.	0.461	0.679	0.	0.433	1.415	1.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.737								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/24/90-11/05/96	51 ##	0.015	0.014	0.05	0.	0.	0.007	0.002	0.015	0.015	0.015

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

Parameter Inventory for Station: BUFF0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/28/95	12	0.55	1.533	8.2	0.3	5.488	2.343	0.33	0.425	1.175	6.97

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

EPA Water Quality Criteria Analysis for Station: BUFF0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	51	0	0.00	28	0	0.00	11	0	0.00	12	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	65	0	0.00	36	0	0.00	16	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	68	0	0.00	38	0	0.00	15	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	68	0	0.00	38	0	0.00	15	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	55	0	0.00	33	0	0.00	10	0	0.00	12	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	50	0	0.00	30	0	0.00	10	0	0.00	10	0	0.00			
		Drinking Water	250.	50	0	0.00	30	0	0.00	10	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	53	0	0.00	31	0	0.00	12	0	0.00	10	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	78	3	0.04	42	3	0.07	17	0	0.00	19	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	46	18.1	17.109	25.	7.1	18.413	4.291	11.07	13.375	20.675	21.8
00065	STAGE, STREAM (FEET)	04/12/85-09/01/92	12	-0.3	0.192	4.15	-0.4	1.641	1.281	0.169	1.375	-0.358	-0.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	28	0.7	1.121	5.5	0.4	1.454	1.206	0.4	0.5	1.1	3.53
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	42	326.5	322.714	386.	233.	1141.965	33.793	272.6	306.25	344.5	362.2
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	36	9.8	9.911	15.5	7.6	2.705	1.645	7.9	8.9	10.2	12.1
00400	PH (STANDARD UNITS)	06/17/87-11/05/96	38	8.085	8.038	8.53	6.88	0.068	0.261	7.792	7.928	8.18	8.229
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-11/05/96	38	8.085	7.902	8.53	6.88	0.087	0.295	7.792	7.927	8.18	8.229
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-11/05/96	38	0.008	0.013	0.132	0.003	0.	0.02	0.006	0.007	0.012	0.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	31 ##	0.025	0.04	0.25	0.	0.002	0.049	0.002	0.025	0.025	0.078
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	33	0.11	0.156	0.58	0.04	0.012	0.109	0.064	0.095	0.195	0.3
00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/90-11/05/96	30	4.	3.933	7.	1.	2.754	1.66	2.	2.75	5.	6.9
00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/90-11/05/96	31	6.	6.097	11.	3.	4.357	2.087	3.2	4.	8.	9.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	42	9.	49.31	585.	0.	13826.853	117.588	2.	4.	33.5	98.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	42	0.952	1.076	2.767	0.	0.485	0.697	0.301	0.602	1.524	1.989
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.91								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/24/90-11/05/96	29 ##	0.015	0.015	0.05	0.	0.	0.008	0.	0.015	0.015	0.015

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	18	11.75	11.789	16.	7.4	4.91	2.216	8.39	10.075	12.925	15.1
00065	STAGE, STREAM (FEET)	04/12/85-09/01/92	3	3.18	0.053	3.18	-3.5	11.292	3.36	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	11	0.5	0.764	2.	0.4	0.333	0.577	0.4	0.4	0.8	1.96
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	17	290.	274.941	353.	155.	2391.934	48.907	203.	238.	306.	331.4
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	16	10.7	11.019	13.3	9.	1.615	1.271	9.14	10.075	12.025	12.88
00400	PH (STANDARD UNITS)	06/17/87-11/05/96	15	8.2	8.143	8.48	7.62	0.044	0.211	7.812	8.	8.26	8.438
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-11/05/96	15	8.2	8.089	8.48	7.62	0.048	0.218	7.812	8.	8.26	8.438
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-11/05/96	15	0.006	0.008	0.024	0.003	0.	0.005	0.004	0.005	0.01	0.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	11 ##	0.025	0.023	0.025	0.	0.	0.008	0.005	0.025	0.025	0.025
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	10	0.17	0.162	0.27	0.03	0.006	0.077	0.035	0.103	0.24	0.267
00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/90-11/05/96	10	3.	2.9	4.	2.	0.767	0.876	2.	2.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/90-11/05/96	12	8.	7.583	10.	5.	2.447	1.564	5.3	6.	9.	9.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	17	2.	10.176	91.	0.	491.404	22.168	0.	0.	10.	39.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	17	0.301	0.532	1.959	0.	0.373	0.611	0.	0.	0.991	1.524
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.401								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/24/90-11/05/96	12 ##	0.015	0.013	0.015	0.	0.	0.004	0.003	0.015	0.015	0.015

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	20	17.65	18.255	22.5	15.	6.087	2.467	15.01	16.15	20.375	22.
00065	STAGE, STREAM (FEET)	04/12/85-09/01/92	10	0.185	0.023	0.2	-0.3	0.028	0.167	0.091	0.115	-0.11	-0.29
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/16/88-11/05/96	12	0.6	0.742	1.8	0.4	0.155	0.394	0.4	0.5	0.9	1.56
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	17	323.	322.412	377.	248.	1124.132	33.528	263.2	311.	337.5	377.
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	13	9.4	9.562	11.1	8.4	0.811	0.9	8.52	8.8	10.25	11.06
00400	PH (STANDARD UNITS)	06/17/87-11/05/96	15	8.07	8.066	8.33	7.65	0.04	0.2	7.662	7.99	8.22	8.3
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-11/05/96	15	8.07	8.018	8.33	7.65	0.043	0.207	7.662	7.99	8.22	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-11/05/96	15	0.009	0.01	0.022	0.005	0.	0.005	0.005	0.006	0.01	0.022
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-11/05/96	12 ##	0.025	0.05	0.25	0.	0.005	0.067	0.	0.025	0.058	0.199
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-11/05/96	12	0.08	0.114	0.32	0.02	0.007	0.085	0.023	0.07	0.175	0.284
00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/90-11/05/96	10	3.	2.9	3.	2.	0.1	0.316	2.1	3.	3.	3.

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/90-11/05/96	10	5.	5.	7.	2.	2.889	1.7	2.1	3.75	7.	7.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	19	8.	21.316	84.	0.	683.117	26.137	1.	6.	36.	80.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	19	0.903	1.011	1.924	0.	0.329	0.573	0.	0.778	1.556	1.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.247								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/24/90-11/05/96	10 ##	0.015	0.014	0.015	0.	0.	0.005	0.002	0.015	0.015	0.015

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

Station Inventory for Station: BUFF0032

NPS Station ID: BUFF0032
LAT/LON: 36.123615/ -92.549171
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO R- 200 FT UPST FR RUSH CR CONF
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF46
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005004
RF1 Mile Point: 0.530
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005023600.00
RF3 Mile Point: 0.24
Distance from RF3: 0.23
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER- 200 FEET UPST FROM RUSH CR CONF, APPR 2 MI SE OF RUSH

Parameter Inventory for Station: BUFF0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	2	4260.	4260.	4260.	4260.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	2	1010.	1010.	1010.	1010.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	81.	81.	81.	81.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	2	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	2	160.	160.	160.	160.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	2	331.5	331.5	333.	330.	4.5	2.121	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	2	6500.	6500.	6500.	6500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0033

NPS Station ID: BUFF0033 LAT/LON: 36.123892/ -92.549448 Agency: 21ARUNFA Date Created: 10/06/79
Location: MOUTH OF RUSH CR, 100 YDS UPST FROM BUFFALO R FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF37
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 0.530 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000400.47 RF3 Mile Point: 0.55 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM MOUTH OF RUSH CREEK, 100 YARDS UPSTREAM FROM BUFFALO RIVER

Parameter Inventory for Station: BUFF0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/20/74-03/06/75	4	50.25	52.125	63.	45.	62.063	7.878	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/09/73-03/26/75	7	12750.	12553.714	16745.	7080.	12417527.238	3523.851	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/09/73-03/26/75	7	4062.	3378.571	4624.	250.	2309538.619	1519.717	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/20/74-03/06/75	4	9.	8.9	10.5	7.1	2.18	1.476	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-03/06/75	4	0.006	0.006	0.008	0.003	0.	0.002	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-03/06/75	4	0.006	0.015	0.04	0.006	0.	0.017	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/20/74-03/06/75	4	1.19	1.195	1.37	1.03	0.022	0.147	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/09/73-03/26/75	7	14.	17.143	45.	2.	206.143	14.358	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/20/74-03/06/75	4	0.83	0.833	0.97	0.7	0.012	0.111	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-03/06/75	4	0.002	0.002	0.003	0.	0.	0.001	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/09/73-03/26/75	7	75.	73.571	156.	8.	2407.619	49.067	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/20/74-03/06/75	4	1.	1.2	2.	0.8	0.293	0.542	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-06/17/74	2	0.25	0.25	0.4	0.1	0.045	0.212	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/09/73-03/26/75	7	19.6	23.443	35.5	15.2	67.23	8.199	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/09/73-03/26/75	7	5.	5.143	10.	2.	7.143	2.673	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-03/06/75	4	2.	1.75	2.	1.	0.25	0.5	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-06/17/74	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-03/06/75	4	3.5	3.75	6.	2.	4.25	2.062	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-06/17/74	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/09/73-03/26/75	7	7.	8.429	14.	6.	8.952	2.992	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/74-03/06/75	4	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-05/21/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/09/73-03/26/75	7	7.	6.571	10.	1.	7.952	2.82	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-03/06/75	4	26.	25.	33.	15.	56.	7.483	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/20/74-03/06/75	4	6.	5.	7.	1.	7.333	2.708	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/74-03/06/75	4	6.5	6.75	12.	2.	24.917	4.992	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-06/17/74	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/09/73-03/26/75	7	11.	12.814	27.5	4.6	58.371	7.64	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/09/73-03/26/75	7	236.	296.714	564.	150.	27097.571	164.613	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-03/06/75	4	1.55	1.575	2.1	1.1	0.169	0.411	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/20/74-03/06/75	4	4.1	4.15	6.4	2.	3.237	1.799	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-03/06/75	4	3.	3.5	6.	2.	3.667	1.915	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-06/17/74	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**

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

Parameter Inventory for Station: BUFF0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/09/73-03/26/75	7	11.	9.286	12.	5.	7.571	2.752	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	2	32.	32.	35.	29.	18.	4.243	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	2	0.45	0.45	0.7	0.2	0.125	0.354	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/74-03/06/75	4	36.	41.	67.	25.	327.333	18.092	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-03/06/75	4	1.5	2.25	5.	1.	3.583	1.893	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/09/73-03/26/75	7	2148.	2441.429	4990.	170.	2550031.952	1596.882	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	2	0.07	0.07	0.1	0.04	0.002	0.042	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/09/73-03/26/75	7	0.6	1.243	3.5	0.3	1.75	1.323	**	**	**	**
81357	CALCIUM SUSPENDED MG/L	05/21/74-03/06/75	4	0.025	0.023	0.03	0.01	0.	0.01	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0033

				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	2	0	0.00							2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	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			
01050	LEAD, SUSPENDED	Fresh Acute	82.	2	0	0.00							2	0	0.00			
		Drinking Water	15.	2	0	0.00							2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: BUFF0034

NPS Station ID: BUFF0034
LAT/LON: 36.123615/ -92.549727
Agency: 1116APCC
Date Created: 02/03/90
Location: BUFFALO RIVER AT RUSH
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS008 /BUFR08 /4J00017
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 140
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 39M
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 1.10
On/Off RF1:
RF3 Index: 11010005000409.18
RF3 Mile Point: 9.21
Distance from RF3: 0.01
On/Off RF3:
Description:
POINT LOCATION: FIFTY METERS UPRIVER FROM THE MOUTH OF RUSH CREEK 5.3 MILES NORTHEAST OF HIGHWAY 14 ON COUNTY ROAD

Parameter Inventory for Station: BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	104	19.05	18.507	32.5	1.6	72.054	8.488	7.1	10.175	26.275	30.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/26/91	9	20.	23.667	39.	12.	86.25	9.287	12.	15.5	31.	39.
00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/28/95	21	1161.	1883.333	16777.	75.	12494309.233	3534.729	167.6	256.	2000.5	3344.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/05/96	10	1290.	1199.3	1936.	178.	464075.344	681.231	186.	524.25	1839.25	1936.
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	85	3.9	4.411	14.	2.3	4.224	2.055	2.7	3.	5.	7.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	57	1.2	3.723	43.	0.4	45.452	6.742	0.6	0.8	3.5	9.08
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	92	218.5	214.804	351.	77.	2172.071	46.605	142.4	197.25	244.	264.1
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	88	9.3	9.655	17.5	6.	4.313	2.077	7.29	8.3	10.825	12.21
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	78	8.17	8.166	9.6	7.15	0.091	0.302	7.867	8.008	8.303	8.426
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	78	8.17	8.055	9.6	7.15	0.104	0.323	7.867	8.007	8.303	8.426
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	78	0.007	0.009	0.071	0.	0.	0.01	0.004	0.005	0.01	0.014
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/07/93	5	91.	81.8	130.	0.	2569.7	50.692	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	62 ##	0.025	0.046	0.25	0.	0.003	0.051	0.	0.025	0.063	0.13
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/85-12/18/90	36	0.29	0.283	1.1	0.03	0.034	0.185	0.1	0.2	0.33	0.406
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	73	0.06	0.11	0.59	0.005	0.016	0.127	0.005	0.01	0.17	0.28
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	46	0.015	0.025	0.133	0.001	0.001	0.03	0.001	0.006	0.031	0.068
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/25/90	2	6.25	6.25	12.5	0.	78.125	8.839	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-06/14/94	6	115.5	111.167	130.	91.	209.367	14.47	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-11/19/90	8	32.5	25.888	40.	0.05	283.101	16.826	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	6	3.	2.833	4.	2.	0.567	0.753	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	08/25/85-09/25/90	8	1.	1.256	2.	0.05	0.482	0.695	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/25/90	7	0.7	0.56	1.	0.01	0.156	0.395	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	55	3.	3.127	7.	2.	1.113	1.055	2.	2.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	61	6.	5.869	11.	1.	5.049	2.247	3.	4.5	7.	9.8
01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/85-05/03/88	8	1.5	7.375	49.	1.	283.125	16.826	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/12/85-05/14/91	11 ##	0.5	0.955	2.	0.5	0.473	0.688	0.5	0.5	2.	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/85-05/14/91	9 ##	1.	2.122	12.	0.1	13.809	3.716	0.1	1.	1.	12.
01037	COBALT, TOTAL (UG/L AS CO)	04/12/85-10/17/89	10 ##	0.5	1.88	8.	0.3	8.833	2.972	0.32	0.5	2.125	7.9
01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/12/85-05/14/91	11 ##	1.	2.227	9.	0.5	7.368	2.714	0.6	1.	2.	8.4
01045	IRON, TOTAL (UG/L AS FE)	04/12/85-10/17/89	10	26.5	113.4	860.	5.	69421.6	263.48	5.1	16.5	60.	783.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/12/85-05/14/91	11 ##	1.	2.027	10.	0.3	7.488	2.736	0.44	1.	2.	8.6
01067	NICKEL, TOTAL (UG/L AS NI)	04/12/85-10/17/89	10	1.	2.95	16.	0.5	22.692	4.764	0.55	1.	2.75	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 time series plot

Parameter Inventory for Station: BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	04/12/85-05/03/88	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/12/85-05/14/91	11	5.	5.273	16.	1.	17.618	4.197	1.	3.	5.	14.6
01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/12/85-04/12/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/12/85-10/17/89	10	10.	26.5	160.	5.	2249.389	47.428	5.	8.75	18.	147.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/23/85-12/01/92	11	20.	231.	1900.	0.	321751.	567.231	0.	0.	116.	1604.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/23/85-12/01/92	11	1.301	1.131	3.279	0.	1.463	1.209	0.	0.	2.064	3.148
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.528								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	94	4.	63.628	1700.	0.	59032.924	242.967	0.	0.	16.	75.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	94	0.602	0.772	3.23	0.	0.635	0.797	0.	0.	1.204	1.874
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.922								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-12/01/92	3	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-12/01/92	3	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/05/96	61 ##	0.015	0.019	0.141	0.	0.	0.022	0.	0.015	0.015	0.049
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/28/95	12	2.45	5.675	37.	0.7	101.488	10.074	0.79	1.125	5.	28.21

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

EPA Water Quality Criteria Analysis for Station: BUFF0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	57	0	0.00	33	0	0.00	16	0	0.00	8	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	88	0	0.00	49	0	0.00	26	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	78	1	0.01	43	1	0.02	23	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	78	0	0.00	43	0	0.00	23	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	73	0	0.00	42	0	0.00	18	0	0.00	13	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	55	0	0.00	31	0	0.00	15	0	0.00	9	0	0.00			
		Drinking Water	250.	55	0	0.00	31	0	0.00	15	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	61	0	0.00	34	0	0.00	17	0	0.00	10	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	50.	8	0	0.00	3	0	0.00	5	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	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	1300.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	15.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	4	0	0.00	6	0	0.00						
		Drinking Water	100.	10	0	0.00	4	0	0.00	6	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	100.	8	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5000.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	11	1	0.09	8	0	0.00	2	0	0.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	94	5	0.05	51	3	0.06	27	1	0.04	16	1	0.06			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	7	25.	21.486	30.	3.	84.701	9.203	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	8	4.1	4.475	8.5	2.7	3.622	1.903	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	7	221.	227.857	280.	207.	624.81	24.996	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	8	2.	19.625	145.	0.	2569.125	50.687	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	8	0.301	0.496	2.161	0.	0.516	0.718	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.133								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	5	28.5	23.7	30.	7.	95.45	9.77	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	5	2.9	2.98	3.6	2.5	0.167	0.409	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	5	265.	269.4	351.	228.	2411.3	49.105	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	1	8.21	8.21	8.21	8.21	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	1	8.21	8.21	8.21	8.21	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	1.	5.	22.	0.	74.8	8.649	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	0.151	0.404	1.342	0.	0.304	0.552	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.533								

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

Annual Analysis for 1987 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	8	21.75	20.188	29.	10.	69.496	8.336	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	8	3.25	4.337	10.9	2.3	8.471	2.911	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	8	196.5	194.25	269.	118.	2165.929	46.54	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	5	8.16	8.194	8.63	7.84	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	5	8.16	8.128	8.63	7.84	0.085	0.292	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	5	0.007	0.007	0.014	0.002	0.	0.004	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	8	1.	85.25	668.	0.	55455.929	235.491	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	8	0.151	0.553	2.825	0.	0.959	0.979	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.576								

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

Annual Analysis for 1988 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	10	18.7	18.93	31.1	7.1	82.098	9.061	7.14	9.075	27.55	30.91
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	10	3.2	3.52	5.	3.	0.524	0.724	3.	3.	4.125	4.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	10	237.	240.3	318.	155.	3278.678	57.26	157.4	192.5	301.25	317.9
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	9	7.92	7.937	8.33	7.25	0.106	0.325	7.25	7.805	8.205	8.33
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	9	7.92	7.808	8.33	7.25	0.125	0.353	7.25	7.805	8.205	8.33
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	9	0.012	0.016	0.056	0.005	0.	0.016	0.005	0.006	0.016	0.056
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	10	4.	21.4	180.	0.	3121.822	55.873	0.	0.	9.	163.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	10	0.602	0.622	2.255	0.	0.503	0.709	0.	0.	0.947	2.138
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.188								

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

Annual Analysis for 1989 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	12	19.05	16.042	27.5	5.6	53.968	7.346	5.81	7.7	20.725	26.48
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	11	3.9	4.193	7.5	2.7	2.298	1.516	2.7	2.72	5.1	7.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	12	241.5	232.583	262.	140.	1041.356	32.27	163.7	222.75	252.	260.5
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.195	8.195	8.37	7.9	0.014	0.12	7.972	8.15	8.253	8.367
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.195	8.178	8.37	7.9	0.015	0.121	7.972	8.15	8.252	8.367
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	12	0.006	0.007	0.013	0.004	0.	0.002	0.004	0.006	0.007	0.011
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	12	4.	9.333	68.	0.	357.333	18.903	0.	0.	8.	51.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	12	0.54	0.573	1.833	0.	0.328	0.573	0.	0.	0.903	1.607
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.741								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	19	17.6	18.837	32.	7.6	76.159	8.727	7.6	10.	28.5	31.2
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	11	3.8	4.785	9.9	3.05	5.684	2.384	3.06	3.15	5.	9.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	10	228.	202.7	280.	77.	4490.011	67.008	78.6	159.75	247.	276.7
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	11	8.14	8.16	8.76	7.81	0.074	0.272	7.822	7.93	8.35	8.682
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	11	8.14	8.094	8.76	7.81	0.079	0.281	7.822	7.93	8.35	8.682
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	11	0.007	0.008	0.015	0.002	0.	0.004	0.002	0.004	0.012	0.015
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	6.	64.	552.	0.	26663.2	163.289	0.	0.	50.	454.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	0.778	0.94	2.742	0.	0.755	0.869	0.	0.	1.699	2.555
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.703								

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

Annual Analysis for 1991 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	15	17.	18.26	31.3	7.1	61.565	7.846	7.52	13.5	26.	31.12
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	14	4.02	4.535	9.2	2.55	4.4	2.098	2.625	2.8	5.575	8.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	12	213.	204.083	244.	127.	1202.811	34.682	137.2	183.75	234.5	243.1
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.195	8.185	8.39	8.	0.012	0.108	8.015	8.12	8.258	8.357
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.194	8.173	8.39	8.	0.012	0.109	8.015	8.12	8.257	8.357
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	12	0.006	0.007	0.01	0.004	0.	0.002	0.004	0.006	0.008	0.01
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	6.	37.091	320.	0.	8877.891	94.223	0.	2.	20.	260.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	0.778	0.844	2.505	0.	0.583	0.763	0.	0.301	1.301	2.273
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.99								

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

Annual Analysis for 1992 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	6	19.75	17.783	26.2	7.	65.658	8.103	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	6	4.225	4.308	6.1	3.3	0.992	0.996	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	209.5	203.833	226.	156.	651.767	25.53	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.415	8.35	8.63	7.99	0.055	0.234	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.41	8.295	8.63	7.99	0.058	0.242	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	6	0.004	0.005	0.01	0.002	0.	0.003	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	4.	240.	1420.	0.	334195.6	578.097	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	0.588	0.901	3.152	0.	1.389	1.178	**	**	**	**

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

Annual Analysis for 1992 - Station BUFF0034

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 =			7.966								

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

Annual Analysis for 1993 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	6	14.9	17.4	32.5	7.	112.52	10.608	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	7	4.9	4.7	5.3	3.2	0.561	0.749	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	204.5	200.167	251.	119.	2407.367	49.065	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.24	8.243	8.42	8.05	0.017	0.132	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.238	8.227	8.42	8.05	0.018	0.133	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	6	0.006	0.006	0.009	0.004	0.	0.002	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	8.5	14.667	45.	1.	303.467	17.42	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	0.812	0.776	1.653	0.	0.513	0.716	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.972								

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

Annual Analysis for 1994 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	6	16.75	18.7	29.5	9.3	60.956	7.807	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	2	9.3	9.3	14.	4.6	44.18	6.647	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	177.	184.667	257.	138.	2719.867	52.152	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.175	8.18	8.48	7.94	0.039	0.197	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.174	8.145	8.48	7.94	0.04	0.2	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	6	0.007	0.007	0.011	0.003	0.	0.003	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	7.	292.333	1700.	2.	475692.667	689.705	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	0.845	1.24	3.23	0.301	1.105	1.051	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.372								

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

Annual Analysis for 1995 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	6	16.8	16.5	30.6	5.2	88.592	9.412	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	1	5.95	5.95	5.95	5.95	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	214.	214.833	247.	191.	370.967	19.26	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.04	7.933	8.42	7.15	0.188	0.434	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.034	7.714	8.42	7.15	0.246	0.496	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	6	0.009	0.019	0.071	0.004	0.001	0.026	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	19.5	39.833	160.	3.	3602.967	60.025	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	1.272	1.224	2.204	0.477	0.406	0.637	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.762								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	4	12.85	14.6	31.1	1.6	149.327	12.22	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	2	4.4	4.4	5.8	3.	3.92	1.98	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	4	191.5	193.75	226.	166.	634.917	25.198	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	4	8.195	8.445	9.6	7.79	0.66	0.813	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	4	8.144	8.113	9.6	7.79	0.807	0.898	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	4	0.007	0.008	0.016	0.	0.	0.007	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	4	36.5	38.25	80.	0.	1818.917	42.649	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	4	1.161	1.056	1.903	0.	0.93	0.964	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.385								

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	59	21.	19.927	32.5	1.6	77.695	8.815	7.1	12.3	28.	31.1
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	47	3.2	3.908	14.	2.3	5.087	2.256	2.54	2.8	4.	5.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	33	1.1	2.697	24.	0.4	18.89	4.346	0.6	0.8	2.6	7.32
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	52	227.	227.423	351.	118.	2037.739	45.141	168.2	207.25	247.	276.7
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	49	9.	9.496	17.5	6.	4.818	2.195	7.2	7.95	10.4	12.3
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	43	8.17	8.175	9.6	7.25	0.104	0.323	7.888	8.01	8.28	8.402
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	43	8.17	8.07	9.6	7.25	0.115	0.34	7.888	8.01	8.28	8.402
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	43	0.007	0.009	0.056	0.	0.	0.008	0.004	0.005	0.01	0.013
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	34 ##	0.025	0.045	0.25	0.	0.003	0.055	0.	0.025	0.053	0.135
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	42	0.02	0.083	0.36	0.005	0.011	0.106	0.005	0.01	0.16	0.28
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	26	0.015	0.022	0.087	0.001	0.	0.02	0.001	0.008	0.03	0.053
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	31	4.	3.548	7.	2.	1.256	1.121	2.	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	34	5.5	5.588	11.	1.	6.007	2.451	3.	3.75	7.	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	51	4.	65.02	1700.	0.	65803.3	256.522	0.	0.	8.	142.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	51	0.602	0.686	3.23	0.	0.642	0.801	0.	0.	0.903	2.132
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.857								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/05/96	33 ##	0.015	0.021	0.141	0.	0.001	0.026	0.	0.015	0.015	0.05

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	27	10.	11.419	20.3	5.2	18.71	4.326	6.72	7.6	14.2	18.62
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	24	4.95	5.31	8.9	3.	2.063	1.436	3.975	4.275	5.913	8.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	16	1.75	5.831	43.	0.5	112.654	10.614	0.57	0.8	6.025	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	25	191.	185.4	253.	77.	1865.333	43.19	120.	161.	214.	247.8
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	26	10.55	10.804	15.6	8.4	2.477	1.574	8.64	9.95	11.65	12.65
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	23	8.25	8.157	8.76	7.15	0.105	0.323	7.798	7.99	8.33	8.48
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	23	8.25	7.999	8.76	7.15	0.131	0.362	7.798	7.99	8.33	8.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	23	0.006	0.01	0.071	0.002	0.	0.014	0.003	0.005	0.01	0.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	17 ##	0.025	0.049	0.19	0.	0.002	0.046	0.02	0.025	0.078	0.11
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	18	0.17	0.191	0.59	0.01	0.029	0.17	0.01	0.075	0.223	0.59
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	12	0.012	0.028	0.133	0.001	0.001	0.038	0.001	0.004	0.04	0.108
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	15	2.	2.6	4.	2.	0.543	0.737	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	17	6.	6.824	10.	5.	3.029	1.741	5.	5.5	8.5	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	27	6.	68.556	1420.	0.	73976.179	271.986	0.	1.	16.	93.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	27	0.778	0.777	3.152	0.	0.658	0.811	0.	0.	1.204	1.955
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.987								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/05/96	17 ##	0.015	0.019	0.09	0.	0.	0.02	0.	0.015	0.015	0.052

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	18	25.	24.483	30.	17.6	18.25	4.272	17.96	20.5	28.675	30.
00065	STAGE, STREAM (FEET)	04/12/85-07/23/96	14	4.1	4.559	9.9	3.	3.216	1.793	3.	3.288	5.013	7.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	8	1.55	3.738	13.	0.8	20.737	4.554	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	15	220.	220.067	280.	140.	1332.495	36.503	144.8	213.	244.	267.4
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	13	8.	7.954	9.7	6.5	0.736	0.858	6.66	7.3	8.5	9.34
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.15	8.153	8.48	7.87	0.032	0.18	7.87	8.073	8.208	8.462
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.15	8.119	8.48	7.87	0.033	0.183	7.87	8.072	8.208	8.462
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	12	0.007	0.008	0.013	0.003	0.	0.003	0.003	0.006	0.008	0.013
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	11	0.025	0.046	0.18	0.	0.003	0.051	0.	0.025	0.07	0.159

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	13	0.06	0.085	0.19	0.01	0.004	0.065	0.014	0.02	0.14	0.182
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	8 ##	0.015	0.033	0.1	0.001	0.002	0.042	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	9	3.	2.556	3.	2.	0.278	0.527	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	10	6.	5.2	7.	2.	3.733	1.932	2.	3.5	7.	7.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	16	15.	50.875	552.	0.	18210.65	134.947	0.	2.25	31.	213.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	16	1.167	1.039	2.742	0.	0.555	0.745	0.	0.345	1.488	2.105
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.938								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/05/96	11 ##	0.015	0.011	0.015	0.	0.	0.007	0.	0.	0.015	0.015

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

Station Inventory for Station: BUFF0035

NPS Station ID: BUFF0035 LAT/LON: 36.122226/ -92.550004 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R 0.1 MI UPST FROM RUSH CREEK CONFLUENCE FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF36
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 0.670 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000404.57 RF3 Mile Point: 4.75 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 0.1 MILE UPSTREAM FROM CONFLUENCE WITH RUSH CREEK

Parameter Inventory for Station: BUFF0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/17/74-09/19/75	5	33.7	33.72	47.7	18.2	110.507	10.512	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-09/19/75	10	4990.	5529.1	13637.	1193.	15601104.544	3949.823	1285.2	2118.75	7825.	13213.3
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-09/19/75	10	881.	1148.	2738.	205.	568113.111	753.733	228.9	626.25	1637.	2633.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/17/74-09/19/75	5	4.7	5.28	8.9	2.6	5.297	2.302	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	08/19/74-09/19/75	4	0.007	0.007	0.01	0.004	0.	0.003	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	06/17/74-09/19/75	5	0.01	0.028	0.06	0.002	0.001	0.03	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/17/74-09/19/75	5	1.47	1.692	2.34	1.28	0.209	0.458	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-09/19/75	10	4.5	8.4	25.	1.	73.6	8.579	1.1	2.	16.25	24.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/17/74-09/19/75	5	0.87	0.878	1.08	0.71	0.026	0.163	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	06/17/74-09/19/75	5	0.004	0.014	0.06	0.	0.001	0.026	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-09/19/75	10	89.5	92.2	166.	7.	1911.511	43.721	12.2	70.25	118.5	163.2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/17/74-09/19/75	5	0.8	0.68	1.	0.1	0.147	0.383	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	06/17/74-12/20/74	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	9	3.	3.733	9.5	0.7	9.615	3.101	0.7	1.1	6.35	9.5
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	10	7.	6.9	9.	5.	2.544	1.595	5.	5.	8.25	9.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/17/74-09/19/75	5	2.	1.5	2.	0.5	0.5	0.707	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	06/17/74-12/20/74	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/17/74-09/19/75	5	3.	2.9	5.	0.5	3.05	1.746	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	06/17/74-12/20/74	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-09/19/75	10	6.	5.9	8.	3.	3.433	1.853	3.1	4.	8.	8.
01040	COPPER, DISSOLVED (UG/L AS CU)	06/17/74-09/19/75	5	1.	27.6	132.	1.	3406.8	58.368	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	12/20/74-12/20/74	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-09/19/75	10	3.5	3.7	6.	1.	2.011	1.418	1.2	3.	5.	5.9
01044	IRON, SUSPENDED (UG/L AS FE)	06/17/74-09/19/75	5	100.	104.4	175.	34.	3158.3	56.199	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/17/74-09/19/75	5	4.	5.	11.	1.	14.5	3.808	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/74-09/19/75	6	4.5	4.917	9.	2.5	5.642	2.375	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	06/17/74-12/20/74	2	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-09/19/75	10	7.5	9.25	17.5	2.	25.903	5.089	2.4	6.	14.	17.45
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-09/19/75	10	147.	191.1	521.	100.	16062.1	126.736	100.6	120.25	208.5	496.5
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/17/74-09/19/75	5	6.7	5.72	8.1	1.8	6.037	2.457	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/74-09/19/75	5	7.3	7.66	10.2	5.7	3.663	1.914	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/17/74-09/19/75	5	2.	2.9	6.	0.5	4.55	2.133	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	06/17/74-12/20/74	2	0.5	0.5	0.7	0.3	0.08	0.283	**	**	**	**

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

Parameter Inventory for Station: BUFF0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	10	9.5	9.3	14.	2.	11.122	3.335	2.4	8.25	11.25	13.8
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	3	38.	38.333	44.	33.	30.333	5.508	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	3	0.4	0.5	0.7	0.4	0.03	0.173	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/17/74-09/19/75	5	15.	85.8	348.	2.	22063.7	148.539	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	06/17/74-09/19/75	5	2.	3.2	7.	1.	7.2	2.683	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-09/19/75	10	269.	393.6	1415.	92.	158910.489	398.636	92.6	153.5	487.	1339.3
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-09/19/75	10	0.7	790.65	7900.	0.4	6239858.985	2497.971	0.42	0.6	0.975	7110.12
81357	CALCIUM SUSPENDED MG/L	06/17/74-09/19/75	5	0.04	0.036	0.04	0.03	0.	0.005	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	5	1	0.20	3	1	0.33	1	0	0.00	1	0	0.00			
		Drinking Water	1300.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	15.	2	0	0.00	1	0	0.00				1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01066	NICKEL, SUSPENDED	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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	5	1	0.20	3	1	0.33	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: BUFF0036

NPS Station ID: BUFF0036 LAT/LON: 36.120837/ -92.550837 Agency: 21ARUNFA Date Created: 12/15/79
Location: BUFFALO R 0.3 MI UPST FROM RUSH CREEK CONFLUENCE FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF39
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 0.820 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005003300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 0.3 MILE UPSTREAM FROM RUSH CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-05/20/74	2	35.5	35.5	41.5	29.5	72.	8.485	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-05/20/74	2	3.15	3.15	3.4	2.9	0.125	0.354	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-05/21/74	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-05/21/74	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-05/20/74	2	1.335	1.335	1.41	1.26	0.011	0.106	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-05/20/74	2	0.88	0.88	0.92	0.84	0.003	0.057	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-05/21/74	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-05/20/74	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-05/21/74	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-05/20/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-05/21/74	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-05/20/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-05/21/74	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-05/20/74	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-05/21/74	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-05/21/74	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-05/20/74	2	13.5	13.5	16.	11.	12.5	3.536	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-03/12/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-05/21/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-05/21/74	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-05/20/74	2	9.	9.	11.	7.	8.	2.828	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-05/20/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-05/21/74	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-05/20/74	2	8.	8.	9.	7.	2.	1.414	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-05/21/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
81357	CALCIUM SUSPENDED MG/L	05/21/74-05/21/74	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5.	2	0	0.00				1	0	0.00	1	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	1300.	2	0	0.00				1	0	0.00	1	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01050	LEAD, SUSPENDED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	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			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5000.	2	0	0.00				1	0	0.00	1	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: BUFF0037

NPS Station ID: BUFF0037 LAT/LON: 36.119448/ -92.551949 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R- 500 YARDS DNST FROM GAGING STATION FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF42
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 0.820 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 500 YARDS DOWNSTREAM FROM GAGING STATION; RM 23.1

Parameter Inventory for Station: BUFF0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/24/73-06/24/73	1	6800.	6800.	6800.	6800.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/24/73-06/24/73	1	1620.	1620.	1620.	1620.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/24/73-06/24/73	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/24/73-06/24/73	1	162.	162.	162.	162.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/24/73-06/24/73	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/24/73-06/24/73	1	7000.	7000.	7000.	7000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0038

NPS Station ID: BUFF0038
LAT/LON: 36.117226/ -92.554448
Agency: 112WRD
Date Created: / /
Location: BUFFALO RIVER NEAR RUSH, ARK.
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07057000
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003000207.08
RF3 Mile Point: 7.08
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/45-10/05/88	14	19.	18.321	32.5	7.	92.677	9.627	7.	7.75	27.25	31.75
00060	FLOW, STREAM, MEAN DAILY CFS	11/15/45-08/13/63	22	679.	813.091	3450.	18.	816441.515	903.572	37.9	93.75	1042.5	2474.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/31/87-10/05/88	3	98.	84.333	100.	55.	646.333	25.423	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/13/63	5	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/45-10/05/88	25	209.	203.76	249.	166.	603.19	24.56	167.	183.	217.5	240.8
00400	PH (STANDARD UNITS)	10/18/49-08/13/63	14	8.2	8.1	8.6	7.7	0.071	0.266	7.75	7.8	8.3	8.45
00400	CONVERTED PH (STANDARD UNITS)	10/18/49-08/13/63	14	8.2	8.027	8.6	7.7	0.077	0.277	7.75	7.8	8.3	8.45
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/49-08/13/63	14	0.006	0.009	0.02	0.003	0.	0.006	0.004	0.005	0.016	0.018
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/15/45-08/13/63	22	103.	98.636	126.	72.	208.338	14.434	78.3	83.75	107.25	118.6
00440	BICARBONATE ION (MG/L AS HCO3)	11/15/45-08/13/63	22	124.	119.409	154.	88.	307.301	17.53	95.3	101.75	129.25	145.
00445	CARBONATE ION (MG/L AS CO3)	11/15/45-08/13/63	22	0.	0.409	4.	0.	1.206	1.098	0.	0.	0.	2.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/15/45-08/13/63	22	98.	98.682	132.	47.	373.561	19.328	75.4	87.	110.25	126.7
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/15/45-08/13/63	22	2.5	3.909	18.	0.	22.182	4.71	0.	0.	6.	11.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/15/45-08/13/63	6	37.	37.333	46.	24.	57.067	7.554	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/15/45-08/13/63	6	4.3	4.117	5.1	2.9	0.73	0.854	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/15/45-08/13/63	6	2.	2.1	2.6	1.9	0.072	0.268	**	**	**	**
00931	SODIUM ADSORPTION RATIO	11/15/45-08/13/63	6	0.1	0.083	0.1	0.	0.002	0.041	**	**	**	**
00932	SODIUM, PERCENT	11/15/45-10/18/60	5	4.	3.4	5.	1.	2.3	1.517	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/13/63	4	0.95	1.05	1.4	0.9	0.057	0.238	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/15/45-08/13/63	22	3.	3.	6.	1.	1.619	1.272	2.	2.	3.	5.7
00945	SULFATE, TOTAL (MG/L AS SO4)	11/15/45-08/13/63	22	4.	4.818	10.	3.	3.203	1.79	3.	4.	5.25	7.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/13/63	3	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/13/63	3	5.9	6.333	10.	3.1	12.043	3.47	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/58-09/21/59	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/18/49-10/18/49	1	600.	600.	600.	600.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/15/45-08/13/63	6	126.	123.333	138.	100.	210.667	14.514	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/15/45-10/18/60	4	127.	125.25	137.	110.	142.25	11.927	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/15/45-08/13/63	6	122.7	222.02	717.	8.42	72573.493	269.395	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/15/45-08/13/63	6	0.175	0.17	0.19	0.14	0.	0.018	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/15/45-08/13/63	22	0.8	1.009	2.8	0.	0.688	0.829	0.13	0.375	1.425	2.57
71885	IRON (UG/L AS FE)	10/18/49-10/18/49	1	20.	20.	20.	20.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	14	0	0.00	9	0	0.00	5	0	0.00						
		Other-Lo Lim.	6.5	14	0	0.00	9	0	0.00	5	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	15	0	0.00	7	0	0.00						
		Drinking Water	250.	22	0	0.00	15	0	0.00	7	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	15	0	0.00	7	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	22	0	0.00	15	0	0.00	7	0	0.00						

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/45-10/05/88	9	27.	22.611	32.5	7.	74.986	8.659	7.	15.5	29.5	32.5
00060	FLOW, STREAM, MEAN DAILY CFS	11/15/45-08/13/63	15	229.	440.4	2042.	18.	301502.686	549.093	25.8	84.	806.	1391.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/45-10/05/88	18	214.	211.389	249.	168.	529.663	23.014	171.6	200.	224.75	245.4
00400	PH (STANDARD UNITS)	10/18/49-08/13/63	9	7.9	8.044	8.6	7.7	0.098	0.313	7.7	7.8	8.3	8.6
00400	CONVERTED PH (STANDARD UNITS)	10/18/49-08/13/63	9	7.9	7.959	8.6	7.7	0.106	0.326	7.7	7.8	8.3	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/49-08/13/63	9	0.013	0.011	0.02	0.003	0.	0.006	0.003	0.005	0.016	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/15/45-08/13/63	15	105.	104.867	126.	81.	128.124	11.319	84.	102.	109.	123.
00440	BICARBONATE ION (MG/L AS HCO3)	11/15/45-08/13/63	15	128.	126.933	154.	99.	202.067	14.215	102.6	124.	133.	150.4
00445	CARBONATE ION (MG/L AS CO3)	11/15/45-08/13/63	15	0.	0.467	4.	0.	1.552	1.246	0.	0.	0.	3.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/15/45-08/13/63	15	104.	105.533	132.	81.	228.267	15.108	85.2	92.	117.	129.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/15/45-08/13/63	15	2.	3.733	18.	0.	25.495	5.049	0.	0.	6.	13.8
00940	CHLORIDE,TOTAL IN WATER MG/L	11/15/45-08/13/63	15	3.	2.933	6.	1.	1.495	1.223	1.6	2.	3.	5.4
00945	SULFATE, TOTAL (MG/L AS SO4)	11/15/45-08/13/63	15	4.	4.4	7.	3.	1.257	1.121	3.	4.	5.	6.4
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/15/45-08/13/63	15	0.6	0.833	2.5	0.1	0.501	0.708	0.16	0.3	1.4	2.2

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

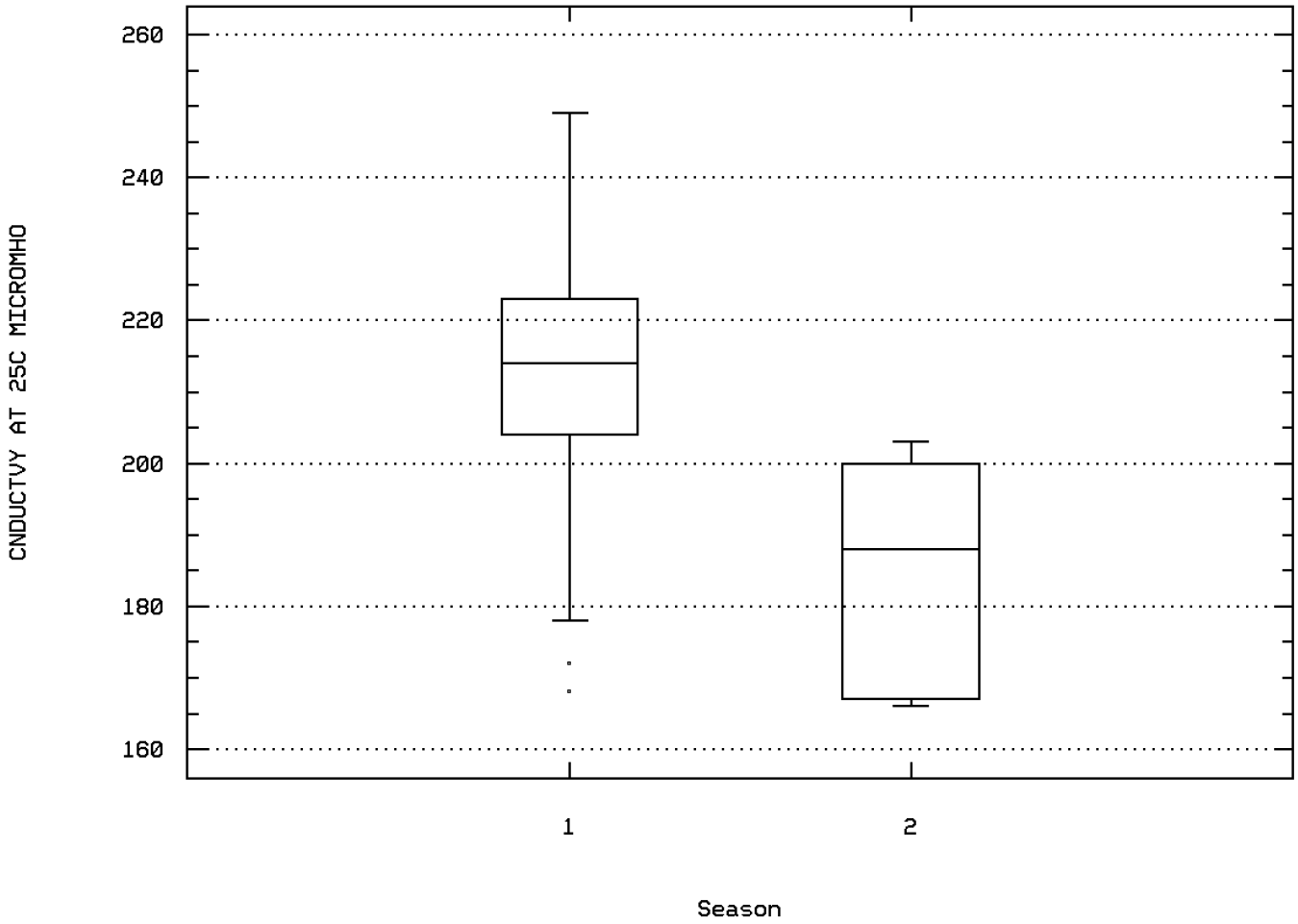
Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/45-10/05/88	5	8.	10.6	21.	7.	35.3	5.941	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/15/45-08/13/63	7	1140.	1611.714	3450.	807.	1062693.571	1030.87	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/45-10/05/88	7	188.	184.143	203.	166.	288.476	16.985	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/49-08/13/63	5	8.2	8.2	8.3	8.	0.015	0.122	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/49-08/13/63	5	8.2	8.185	8.3	8.	0.015	0.124	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/49-08/13/63	5	0.006	0.007	0.01	0.005	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/15/45-08/13/63	7	83.	85.286	103.	72.	125.238	11.191	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	11/15/45-08/13/63	7	101.	103.286	121.	88.	159.238	12.619	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	11/15/45-08/13/63	7	0.	0.286	2.	0.	0.571	0.756	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/15/45-08/13/63	7	84.	84.	110.	47.	406.	20.149	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/15/45-08/13/63	7	5.	4.286	11.	0.	17.905	4.231	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/15/45-08/13/63	7	3.	3.143	6.	2.	2.143	1.464	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/15/45-08/13/63	7	4.	5.714	10.	3.	6.905	2.628	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/15/45-08/13/63	7	1.1	1.386	2.8	0.	0.995	0.997	**	**	**	**

** - Less than 9 observations ## - Computed 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: BUFF0038 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



BUFFALO RIVER NEAR RUSH, ARK.

Station Inventory for Station: BUFF0039

NPS Station ID: BUFF0039 LAT/LON: 36.068615/ -92.554726 Agency: 21ARUNFA Date Created: 10/06/79
Location: ROCK CR- BUFFALO R CONF, 3 MI NW OF COZAHOME FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF65
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 7.470 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005007200.00 RF3 Mile Point: 0.85 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER- APPR 2.3 MILES DOWNSTREAM FROM HWY 65 BRIDGE; RM 55.8

Parameter Inventory for Station: BUFF0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	3490.	3490.	3490.	3490.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	333.	333.	333.	333.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	402.	402.	402.	402.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	55.	55.	55.	55.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	11000.	11000.	11000.	11000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0040

NPS Station ID: BUFF0040 LAT/LON: 36.113892/ -92.556115 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R- ACROSS FR CLABBER CR, AT BANK FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF43
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 1.370 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000400.47 RF3 Mile Point: 0.62 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER- ACROSS FROM CLABBER CREEK, AT STREAM BANK

Parameter Inventory for Station: BUFF0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/20/73-07/20/73	2	10090.	10090.	10090.	10090.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/20/73-07/20/73	2	2575.	2575.	2575.	2575.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/20/73-06/20/73	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	06/20/73-06/20/73	1	135.	135.	135.	135.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-07/20/73	2	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/20/73-06/20/73	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/20/73-06/20/73	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/20/73-06/20/73	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/20/73-07/20/73	2	425.	425.	425.	425.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/20/73-06/20/73	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/20/73-07/20/73	2	572.	572.	572.	572.	0.	0.	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/20/73-06/20/73	1	440.	440.	440.	440.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/20/73-07/20/73	2	7800.	7800.	7800.	7800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0041

NPS Station ID: BUFF0041
LAT/LON: 36.140004/ -92.560559
Agency: 21ARUNFA
Date Created: 10/06/79
Location: CLABBER CREEK CONFLUENCE WITH WILLIAMS BRANCH
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CLAB03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005003
RF1 Mile Point: 1.440
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005000300.00
RF3 Mile Point: 0.31
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CLABBER CREEK CONFLUENCE WITH WILLIAMS BRANCH

Parameter Inventory for Station: BUFF0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	1	80000.	80000.	80000.	80000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	1	4943.	4943.	4943.	4943.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	1	179.	179.	179.	179.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	1	75.	75.	75.	75.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	1	102.	102.	102.	102.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	1	5200.	5200.	5200.	5200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0042

NPS Station ID: BUFF0042 LAT/LON: 36.081392/ -92.561948 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R APPR 0.5 MI UPST FROM PANTHER CR CONF FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF35
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 6.470 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000408.20 RF3 Mile Point: 8.20 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 0.5 MILE UPSTREAM FROM PANTHER CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-12/10/75	9	31.3	28.356	49.5	11.	181.86	13.486	11.	13.7	39.1	49.5
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-12/10/75	13	1072.	1862.538	7575.	274.	3990744.436	1997.685	278.4	720.5	2860.5	5905.
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-12/10/75	13	462.	417.077	625.	144.	21870.244	147.886	150.	344.5	510.5	618.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-12/10/75	9	2.5	2.344	4.	0.9	1.223	1.106	0.9	1.25	3.35	4.
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-12/10/75	8	0.008	0.008	0.01	0.003	0.	0.003	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-12/10/75	8	0.01	0.025	0.06	0.005	0.001	0.024	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-12/10/75	9	1.54	1.569	2.02	1.26	0.074	0.272	1.26	1.31	1.8	2.02
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-12/10/75	13	5.	8.538	45.	2.	132.436	11.508	2.	2.	10.	31.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-12/10/75	9	0.87	0.876	1.06	0.64	0.017	0.129	0.64	0.795	0.965	1.06
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-12/10/75	8	0.003	0.02	0.06	0.	0.001	0.027	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-12/10/75	13	97.	92.077	154.	4.	1425.244	37.752	28.	69.5	120.5	143.6
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-12/10/75	9	1.	1.056	2.	0.5	0.34	0.583	0.5	0.5	1.5	2.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	3	0.2	0.233	0.4	0.1	0.023	0.153	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	12	0.65	0.68	1.3	0.26	0.092	0.303	0.302	0.425	0.95	1.21
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	13	7.6	7.969	13.	2.	10.179	3.19	3.2	5.5	10.5	12.6
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-12/10/75	8	2.	1.563	3.	0.5	0.888	0.943	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	3	0.3	0.367	0.5	0.3	0.013	0.115	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-12/10/75	8	2.	2.313	5.	0.5	3.567	1.889	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	3	0.4	0.467	0.7	0.3	0.043	0.208	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-12/10/75	13	5.	4.885	7.	1.	3.173	1.781	1.8	4.	6.5	7.
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-12/10/75	9	2.	2.5	5.	1.	3.25	1.803	1.	1.	4.75	5.
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	2	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-12/10/75	13	3.	2.515	4.	0.7	1.02	1.01	0.82	2.	3.	4.
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-12/10/75	8	143.	160.875	350.	30.	13483.268	116.117	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-12/10/75	9	4.	8.389	27.	0.5	78.236	8.845	0.5	2.	14.	27.
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-12/10/75	9	2.5	3.944	10.	1.	9.09	3.015	1.	2.25	6.	10.
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	3	1.	1.533	3.	0.6	1.653	1.286	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-12/10/75	13	7.	7.523	17.5	1.	23.574	4.855	1.4	4.15	10.25	16.5
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-12/10/75	13	200.	204.769	342.	115.	4574.026	67.632	126.6	148.	246.	327.2
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-12/10/75	8	9.	8.313	13.	1.	14.318	3.784	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-12/10/75	9	6.7	6.444	9.	1.	6.225	2.495	1.	5.	8.3	9.
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-12/10/75	8	2.	2.313	6.	0.5	3.853	1.963	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	3	0.7	0.667	1.	0.3	0.123	0.351	**	**	**	**

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

Parameter Inventory for Station: BUFF0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	13	8.	8.115	11.	5.5	4.506	2.123	5.7	6.	10.	11.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	3	35.	42.667	60.	33.	226.333	15.044	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	3	0.4	0.5	0.7	0.4	0.03	0.173	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-12/10/75	9	6.	10.889	43.	1.	200.861	14.173	1.	3.	16.5	43.
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-12/10/75	8	1.	5.663	26.	0.3	78.368	8.853	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-12/10/75	13	65.	96.462	340.	36.	6451.603	80.322	42.8	55.	94.5	272.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-12/10/75	13	0.9	2315.938	8900.	0.6	13375298.616	3657.226	0.64	0.8	6750.	8420.
81357	CALCIUM SUSPENDED MG/L	05/21/74-12/10/75	8	0.05	0.051	0.08	0.02	0.	0.022	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0042

				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	5.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	1300.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	15.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	5000.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	5000.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			

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

Station Inventory for Station: BUFF0043

NPS Station ID: BUFF0043 LAT/LON: 36.145281/ -92.570004 Agency: 21ARUNFA Date Created: 10/06/79
Location: CLABBER CR APPR .25 MI DNST FR BLUE JOHN CR CONF FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CLAB04
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005003 RF1 Mile Point: 2.120 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000300.00 RF3 Mile Point: 0.94 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CLABBER CREEK APPR 0.25 MI DOWNSTREAM FROM BLUE JOHN CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	1	89250.	89250.	89250.	89250.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	1	8708.	8708.	8708.	8708.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	1	260.	260.	260.	260.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	1	105.	105.	105.	105.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	1	6900.	6900.	6900.	6900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0044

NPS Station ID: BUFF0044 LAT/LON: 36.157781/ -92.572504 Agency: 21ARUNFA Date Created: 10/06/79
Location: BLUE JOHN CR APPR 800 FT DNST FR INGRAM CR CONF FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CLAB08
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005003 RF1 Mile Point: 2.460 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000304.60 RF3 Mile Point: 4.95 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BLUE JOHN CREEK APPR 800 FEET DOWNSTREAM FROM INGRAM CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	1	21950.	21950.	21950.	21950.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	1	4398.	4398.	4398.	4398.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	1	136.	136.	136.	136.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	1	4100.	4100.	4100.	4100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0045

NPS Station ID: BUFF0045 LAT/LON: 36.048615/ -92.575282 Agency: 21ARUNFA Date Created: 10/06/79
Location: KIMBALL CR- BUFFALO R CONF, 4.5 MI W OF COZAHOME FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF74
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 10.740 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000409.18 RF3 Mile Point: 12.67 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM KIMBALL CREEK- BUFFALO RIVER CONFLUENCE, 4.5 MILES WEST OF COZAHOME

Parameter Inventory for Station: BUFF0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	2532.	2532.	2532.	2532.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	1165.	1165.	1165.	1165.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	177.	177.	177.	177.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	1034.	1034.	1034.	1034.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	7300.	7300.	7300.	7300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0046

NPS Station ID: BUFF0046
LAT/LON: 36.049726/ -92.576115
Agency: 112WRD
Date Created: 10/01/94
Location: WATER CREEK NEAR EVENING STAR, AR
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07056695
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/94-05/17/95	3	20.9	20.7	23.	18.2	5.79	2.406	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/25/94-05/17/95	3	24.2	27.733	39.	20.	99.613	9.981	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	05/25/94-05/17/95	3	746.	749.	755.	746.	27.	5.196	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/25/94-05/17/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/25/94-05/17/95	3	11.	18.333	41.	3.	401.333	20.033	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/94-05/17/95	3	295.	295.	310.	280.	225.	15.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/25/94-05/17/95	3	9.4	8.933	10.5	6.9	3.403	1.845	**	**	**	**
00400	PH (STANDARD UNITS)	05/25/94-05/17/95	3	8.32	8.21	8.33	7.98	0.04	0.199	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/25/94-05/17/95	3	8.32	8.178	8.33	7.98	0.041	0.203	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/94-05/17/95	3	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/25/94-05/17/95	3	8.	7.933	8.	7.8	0.013	0.115	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/25/94-05/17/95	3	8.	7.923	8.	7.8	0.014	0.116	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/94-05/17/95	3	0.01	0.012	0.016	0.01	0.	0.003	**	**	**	**
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/25/94-05/17/95	3	147.	149.667	157.	145.	41.333	6.429	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/25/94-05/17/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/25/94-05/17/95	3	182.	184.	192.	178.	52.	7.211	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/25/94-05/17/95	3	0.02	0.015	0.02	0.005	0.	0.009	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/25/94-05/17/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/25/94-05/17/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/25/94-05/17/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/25/94-05/17/95	3	0.1	0.087	0.1	0.06	0.001	0.023	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/25/94-05/17/95	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/25/94-05/17/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/25/94-05/17/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/25/94-05/17/95	3	1.7	1.433	1.8	0.8	0.303	0.551	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/25/94-05/17/95	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/94-05/17/95	3	49.	48.667	53.	44.	20.333	4.509	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/94-05/17/95	3	6.7	6.6	6.7	6.4	0.03	0.173	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/94-05/17/95	3	1.9	2.067	2.7	1.6	0.323	0.569	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/94-05/17/95	3	0.9	0.867	0.9	0.8	0.003	0.058	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/94-05/17/95	3	4.	4.	5.	3.	1.	1.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/94-05/17/95	3	3.	3.333	4.	3.	0.333	0.577	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/94-05/17/95	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/94-05/17/95	3	7.7	8.1	9.8	6.8	2.37	1.539	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/25/94-05/17/95	3 ##	1.5	3.333	7.	1.5	10.083	3.175	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/94-05/17/95	3	4.	3.667	4.	3.	0.333	0.577	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	2 ##	0.006	0.006	0.008	0.004	0.	0.003	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**

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

Parameter Inventory for Station: BUFF0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.004	0.003	0.	0.001	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	2 ##	0.007	0.007	0.009	0.004	0.	0.004	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/25/94-05/17/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	2 ##	0.004	0.004	0.007	0.002	0.	0.003	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.004	0.002	0.	0.002	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/25/94-05/17/95	3	27.	31.333	59.	8.	664.333	25.775	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	05/25/94-05/17/95	3	1.431	1.368	1.771	0.903	0.191	0.437	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			23.358								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/25/94-05/17/95	3	19.	20.333	39.	3.	325.333	18.037	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/25/94-05/17/95	3	1.279	1.116	1.591	0.477	0.33	0.575	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			13.051								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/94-05/17/95	3	91.	134.333	240.	72.	8464.333	92.002	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/94-05/17/95	3	1.959	2.066	2.38	1.857	0.077	0.277	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			116.286								
34253	A-BHC-ALPHA DISSUG/L	05/25/94-05/17/95	2 ##	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/25/94-05/17/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/25/94-05/17/95	3	149.	150.667	157.	146.	32.333	5.686	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/25/94-05/17/95	2 ##	0.004	0.004	0.006	0.002	0.	0.002	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/17/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/25/94-05/17/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/17/95	2 ##	0.005	0.005	0.007	0.003	0.	0.003	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/17/95	2 ##	0.007	0.007	0.011	0.002	0.	0.006	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/17/95	2 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	05/25/94-05/17/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
49235	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49260	INVALID PARAMETER	05/17/95-05/17/95	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49291	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	05/25/94-05/25/94	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: BUFF0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49311	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	05/25/94-05/25/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/94-05/17/95	3	169.	165.333	174.	153.	120.333	10.97	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/25/94-05/17/95	3	55.	42.667	61.	12.	714.333	26.727	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/25/94-05/17/95	3	10.	19.	41.	6.	367.	19.157	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/25/94-05/17/95	2 ##	0.004	0.004	0.005	0.002	0.	0.002	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/25/94-05/17/95	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/25/94-05/17/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/25/94-05/25/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.004	0.004	0.005	0.002	0.	0.002	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.005	0.001	0.	0.003	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.009	0.009	0.015	0.004	0.	0.008	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.011	0.011	0.02	0.001	0.	0.013	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/25/94-05/17/95	2 ##	0.012	0.012	0.02	0.003	0.	0.012	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.002	0.002	0.003	0.001	0.	0.001	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.005	0.001	0.	0.003	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.006	0.006	0.01	0.002	0.	0.006	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.013	0.013	0.025	0.002	0.	0.017	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.006	0.006	0.01	0.002	0.	0.006	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.005	0.005	0.005	0.004	0.	0.001	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.013	0.013	0.025	0.001	0.	0.017	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/25/94-05/17/95	2 ##	0.006	0.006	0.01	0.003	0.	0.005	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 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	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00				2	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	2	0	0.00							2	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	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	2	0	0.00							2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: BUFF0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	2	0	0.00							2	0	0.00			
		Drinking Water	0.2	2	0	0.00							2	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	2	0	0.00							2	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.	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: BUFF0047

NPS Station ID: BUFF0047
LAT/LON: 36.049726/ -92.576115
Agency: 11TRAIN
Date Created: 02/22/97
Location: WATER CREEK N
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07056695
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0047

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: BUFF0048

NPS Station ID: BUFF0048 LAT/LON: 36.050004/ -92.576392 Agency: 21ARUNFA Date Created: 10/06/79
Location: WATER CR- BUFFALO R CONF, 4.4 MI NW OF COZAHOME FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF73
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 10.190 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000411.42 RF3 Mile Point: 11.42 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM WATER CREEK- BUFFALO RIVER CONFLUENCE, 4.4 MILES NORTHWEST OF COZAHOME

Parameter Inventory for Station: BUFF0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	76800.	76800.	76800.	76800.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	1780.	1780.	1780.	1780.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	72.	72.	72.	72.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	18.4	18.4	18.4	18.4	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	20.4	20.4	20.4	20.4	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	513.	513.	513.	513.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	322.	322.	322.	322.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	3400.	3400.	3400.	3400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0049

NPS Station ID: BUFF0049
LAT/LON: 36.067503/ -92.577227
Agency: 1116APCC
Date Created: 02/03/90
Location: BUFFALO RIVER AT HIGHWAY 14
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS007 /BUFR07 /4J00016
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI
Elevation: 146
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 39G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003007203.16
RF3 Mile Point: 3.18
Distance from RF3: 0.03
On/Off RF3:
Description:
POINT LOCATION: FIRST RIFFLE BELOW THE HIGHWAY 14 BR BRIDGE (25 METERS)

Parameter Inventory for Station: BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	103	18.3	18.358	32.	2.1	67.785	8.233	7.62	11.	27.	29.46
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/26/91	9	23.	23.556	37.	10.	83.278	9.126	10.	16.	32.5	37.
00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/28/95	21	998.	1761.667	16419.	75.	11967282.533	3459.376	162.4	250.5	1634.	3054.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/05/96	10	1263.	1158.7	1895.	150.	460429.344	678.549	160.3	513.25	1799.75	1895.
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	96	4.	4.322	14.	0.8	3.823	1.955	2.7	3.	4.975	5.995
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	59	1.3	3.722	26.	0.1	28.762	5.363	0.6	0.8	4.5	10.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	95	222.	211.295	317.	55.	2173.274	46.618	142.8	185.	242.	263.
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	87	9.7	9.954	18.5	6.1	4.941	2.223	7.4	8.4	11.1	12.26
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	77	8.2	8.182	9.3	7.35	0.07	0.265	7.81	8.055	8.325	8.45
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	77	8.2	8.101	9.3	7.35	0.077	0.278	7.81	8.055	8.325	8.45
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	77	0.006	0.008	0.045	0.001	0.	0.006	0.004	0.005	0.009	0.015
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/07/93	5	89.	76.8	123.	0.	2508.2	50.082	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	60 ##	0.025	0.04	0.25	0.	0.002	0.046	0.	0.025	0.05	0.079
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/85-12/18/90	36	0.235	0.238	1.2	0.01	0.041	0.201	0.085	0.1	0.308	0.364
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	70	0.065	0.107	0.6	0.005	0.014	0.118	0.005	0.01	0.17	0.23
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	44	0.015	0.026	0.117	0.001	0.001	0.028	0.001	0.007	0.038	0.075
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/25/90	2	6.15	6.15	12.3	0.	75.645	8.697	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-06/14/94	6	113.5	110.167	123.	89.	134.567	11.6	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/25/90	7	34.	29.436	42.	0.05	213.462	14.61	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	6	3.	2.667	4.	1.	1.067	1.033	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/25/90	7	1.	1.15	2.	0.05	0.458	0.676	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/25/90	6	0.75	0.652	1.	0.01	0.116	0.341	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	53	3.	3.094	6.	2.	0.895	0.946	2.	2.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	58	5.5	5.948	12.	1.	4.962	2.228	3.	4.	7.	9.1
01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/85-05/03/88	8	2.	6.625	42.	1.	204.554	14.302	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/12/85-05/14/91	11 ##	0.5	0.655	2.	0.1	0.281	0.53	0.1	0.5	1.	1.8
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/85-05/14/91	9 ##	1.	1.922	10.	0.3	9.229	3.038	0.3	1.	1.	10.
01037	COBALT, TOTAL (UG/L AS CO)	04/12/85-10/17/89	10 ##	0.5	1.65	8.	0.5	6.169	2.484	0.5	0.5	1.75	7.6
01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/12/85-05/14/91	11	2.	2.336	7.	0.7	4.545	2.132	0.76	1.	2.	6.8
01045	IRON, TOTAL (UG/L AS FE)	04/12/85-10/17/89	10	23.	124.4	860.	2.	69282.489	263.216	2.4	9.	107.5	790.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/12/85-05/14/91	11 ##	1.	1.909	10.	1.	7.291	2.7	1.	1.	1.	8.4
01067	NICKEL, TOTAL (UG/L AS NI)	04/12/85-10/17/89	10	1.	3.37	17.	0.7	25.769	5.076	0.73	1.	5.	15.8

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

Parameter Inventory for Station: BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	04/12/85-05/03/88	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/12/85-05/14/91	11 ##	5.	5.182	10.	3.	2.964	1.722	3.2	5.	5.	9.
01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/12/85-04/12/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/12/85-10/17/89	10	7.5	10.9	40.	5.	113.878	10.671	5.	5.	11.	37.4
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/25/85-06/22/88	9	20.	1192.667	10000.	0.	10954374.	3309.739	0.	0.	342.	10000.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	08/25/85-06/22/88	9	1.301	1.311	4.	0.	1.846	1.359	0.	0.	2.1	4.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			20.479								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	95	4.	55.958	1500.	0.	45935.019	214.325	0.	0.	14.	62.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	95	0.602	0.702	3.176	0.	0.62	0.788	0.	0.	1.146	1.792
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.036								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-06/22/88	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-06/22/88	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/05/96	58 ##	0.015	0.015	0.07	0.	0.	0.011	0.	0.015	0.015	0.03
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/28/95	12	3.15	6.367	36.	0.6	104.953	10.245	0.6	0.825	5.45	30.

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EPA Water Quality Criteria Analysis for Station: BUFF0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	59	0	0.00	33	0	0.00	17	0	0.00	9	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	87	0	0.00	46	0	0.00	28	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	77	1	0.01	42	1	0.02	23	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	77	0	0.00	42	0	0.00	23	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	70	0	0.00	39	0	0.00	21	0	0.00	10	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	53	0	0.00	29	0	0.00	17	0	0.00	7	0	0.00			
		Drinking Water	250.	53	0	0.00	29	0	0.00	17	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	58	0	0.00	30	0	0.00	20	0	0.00	8	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	50.	8	0	0.00	3	0	0.00	5	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	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	1300.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	15.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	4	0	0.00	6	0	0.00						
		Drinking Water	100.	10	0	0.00	4	0	0.00	6	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	100.	8	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5000.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	9	1	0.11	5	0	0.00	2	0	0.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	95	6	0.06	51	4	0.08	28	1	0.04	16	1	0.06			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	8	23.45	21.65	31.5	4.	75.82	8.707	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	8	4.1	4.475	8.5	2.7	3.622	1.903	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	8	212.	206.75	237.	144.	822.786	28.684	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	8	0.	19.125	145.	0.	2591.268	50.904	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	8	0.	0.405	2.161	0.	0.579	0.761	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.541								

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

Annual Analysis for 1986 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	6	27.25	24.4	31.5	7.	86.	9.274	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	6	3.	3.217	4.4	2.5	0.47	0.685	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	222.5	228.333	282.	199.	787.867	28.069	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	1	8.36	8.36	8.36	8.36	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	1	8.36	8.36	8.36	8.36	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	1.	1.667	6.	0.	5.467	2.338	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	0.151	0.23	0.778	0.	0.094	0.306	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.698								

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Annual Analysis for 1987 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	8	21.	20.063	29.5	9.5	65.317	8.082	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	8	3.25	4.337	10.9	2.3	8.471	2.911	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	8	195.	186.75	253.	95.	2385.357	48.84	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	5	8.2	8.226	8.65	7.75	0.11	0.332	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	5	8.2	8.123	8.65	7.75	0.124	0.351	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	5	0.006	0.008	0.018	0.002	0.	0.006	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	8	0.	46.75	356.	0.	15644.5	125.078	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	8	0.	0.507	2.551	0.	0.856	0.925	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.214								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	10	19.45	18.65	29.2	7.2	76.374	8.739	7.23	8.475	26.6	29.12
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	10	3.2	3.26	5.	0.8	1.172	1.082	1.02	3.	4.025	4.91
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	10	247.	245.5	317.	153.	3159.389	56.208	156.	190.5	302.75	316.4
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	9	8.02	7.99	8.49	7.35	0.107	0.327	7.35	7.805	8.235	8.49
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	9	8.02	7.87	8.49	7.35	0.123	0.351	7.35	7.805	8.235	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	9	0.01	0.013	0.045	0.003	0.	0.012	0.003	0.006	0.016	0.045
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	10	3.	8.8	56.	0.	297.067	17.236	0.	0.	7.	52.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	10	0.452	0.536	1.748	0.	0.322	0.568	0.	0.	0.753	1.694
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.436								

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

Annual Analysis for 1989 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	12	18.5	16.	27.3	6.1	52.422	7.24	6.13	7.4	20.925	26.07
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	12	3.825	4.085	7.5	2.7	2.229	1.493	2.7	2.765	5.012	6.99
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	12	241.	237.833	282.	139.	1350.879	36.754	162.1	226.75	259.5	280.8
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.15	8.229	8.5	8.08	0.021	0.144	8.083	8.133	8.368	8.482
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.15	8.209	8.5	8.08	0.021	0.146	8.083	8.132	8.368	8.482
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	12	0.007	0.006	0.008	0.003	0.	0.002	0.003	0.004	0.007	0.008
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	12	0.	6.333	52.	0.	216.606	14.718	0.	0.	7.	38.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	12	0.	0.394	1.716	0.	0.313	0.559	0.	0.	0.828	1.472
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.477								

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

Annual Analysis for 1990 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	16	17.45	17.956	32.	7.9	70.679	8.407	8.74	9.9	26.025	31.65
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	13	3.8	4.68	9.9	3.05	4.73	2.175	3.07	3.245	4.95	9.42
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	11	226.	199.545	265.	55.	4489.473	67.004	66.	155.	246.	262.
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.09	8.121	8.39	7.74	0.038	0.196	7.788	7.99	8.3	8.366
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.09	8.079	8.39	7.74	0.04	0.201	7.788	7.99	8.3	8.366
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	12	0.008	0.008	0.018	0.004	0.	0.004	0.004	0.005	0.01	0.017
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	12	2.	43.5	364.	0.	11178.273	105.727	0.	0.5	18.5	288.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	12	0.301	0.739	2.561	0.	0.722	0.85	0.	0.075	1.262	2.408
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.478								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	14	15.1	17.757	29.	7.5	63.693	7.981	7.65	11.5	27.275	29.
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	14	4.01	4.274	9.2	2.55	3.518	1.876	2.625	2.8	4.838	8.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	12	207.	201.833	244.	130.	1346.515	36.695	137.8	173.5	235.5	243.7
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	11	8.2	8.203	8.4	7.94	0.015	0.121	7.976	8.13	8.28	8.382
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	11	8.2	8.187	8.4	7.94	0.015	0.123	7.976	8.13	8.28	8.382
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	11	0.006	0.007	0.011	0.004	0.	0.002	0.004	0.005	0.007	0.011
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	6.	25.818	210.	0.	3766.764	61.374	0.4	2.	14.	172.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	11	0.778	0.865	2.322	0.	0.391	0.625	0.06	0.301	1.146	2.118
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.324								

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

Annual Analysis for 1992 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	6	19.5	18.25	26.	7.9	55.699	7.463	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	6	4.225	4.31	6.1	3.3	0.993	0.997	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	204.	202.167	227.	158.	613.367	24.766	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	5	8.34	8.318	8.51	8.06	0.027	0.164	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	5	8.34	8.292	8.51	8.06	0.028	0.167	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	5	0.005	0.005	0.009	0.003	0.	0.002	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	7.5	138.5	800.	0.	105071.9	324.148	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	0.573	0.876	2.903	0.	1.318	1.148	**	**	**	**

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

Annual Analysis for 1992 - Station BUFF0049

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 =			7.509								

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

Annual Analysis for 1993 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	6	16.1	17.75	30.5	8.2	96.103	9.803	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	7	4.9	4.7	5.3	3.2	0.561	0.749	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	206.5	198.	256.	111.	2874.8	53.617	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.275	8.312	8.61	8.11	0.031	0.176	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.274	8.285	8.61	8.11	0.032	0.179	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	6	0.005	0.005	0.008	0.002	0.	0.002	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	13.	15.833	45.	0.	252.567	15.892	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	1.102	0.973	1.653	0.	0.326	0.571	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.387								

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Annual Analysis for 1994 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	7	14.6	17.871	27.	9.5	46.449	6.815	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	5	4.6	6.092	14.	2.44	20.704	4.55	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	183.	189.167	263.	130.	3472.167	58.925	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.225	8.122	8.36	7.79	0.067	0.259	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.219	8.054	8.36	7.79	0.073	0.269	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	6	0.006	0.009	0.016	0.004	0.	0.006	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	9.	257.167	1500.	4.	370735.367	608.88	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	0.952	1.252	3.176	0.602	0.947	0.973	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.877								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	6	16.6	16.45	30.	5.6	84.339	9.184	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	3	5.48	5.09	5.95	3.84	1.227	1.108	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	6	218.5	219.167	248.	192.	490.967	22.158	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.08	8.093	8.35	7.82	0.037	0.193	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	6	8.076	8.058	8.35	7.82	0.039	0.196	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	6	0.008	0.009	0.015	0.004	0.	0.004	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	15.	204.833	1170.	0.	223693.767	472.963	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	6	1.167	1.144	3.068	0.	1.288	1.135	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.937								

** - 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 box-and-whisker plot

Annual Analysis for 1996 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	4	12.55	14.15	29.4	2.1	127.91	11.31	**	**	**	**
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	4	4.74	4.57	5.8	3.	1.71	1.308	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	4	194.	194.5	226.	164.	721.667	26.864	**	**	**	**
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	4	8.305	8.368	9.3	7.56	0.541	0.735	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	4	8.254	8.009	9.3	7.56	0.712	0.844	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	4	0.006	0.01	0.028	0.001	0.	0.012	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	4	19.5	27.75	72.	0.	1094.917	33.09	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	4	1.115	1.022	1.857	0.	0.702	0.838	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.518								

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Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	55	20.3	19.855	32.	2.1	75.998	8.718	7.56	12.	27.9	30.5
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	52	3.2	3.809	14.	2.3	4.396	2.097	2.515	2.8	3.96	5.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	33	1.2	2.915	21.	0.4	17.768	4.215	0.54	0.75	3.45	7.38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	52	227.	225.846	317.	95.	1929.623	43.927	164.1	209.25	248.75	276.9
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	46	9.25	9.572	18.5	6.1	5.543	2.354	7.07	8.15	10.45	12.4
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	42	8.15	8.18	9.3	7.35	0.084	0.289	7.803	8.078	8.303	8.428
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	42	8.15	8.089	9.3	7.35	0.092	0.303	7.803	8.078	8.303	8.428
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	42	0.007	0.008	0.045	0.001	0.	0.007	0.004	0.005	0.008	0.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	31 ##	0.025	0.036	0.25	0.	0.002	0.045	0.	0.025	0.025	0.072
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	39	0.04	0.083	0.35	0.005	0.009	0.096	0.005	0.01	0.15	0.23
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	24 ##	0.015	0.019	0.117	0.001	0.001	0.024	0.001	0.008	0.015	0.045
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	29	4.	3.552	6.	2.	0.899	0.948	2.	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	30	6.	5.933	12.	1.	6.754	2.599	3.	4.	7.25	9.9
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	51	2.	69.569	1500.	0.	71066.13	266.582	0.	0.	14.	68.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	51	0.301	0.652	3.176	0.	0.651	0.807	0.	0.	1.146	1.836
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.483								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/05/96	29 ##	0.015	0.017	0.07	0.	0.	0.014	0.	0.015	0.015	0.04

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	31	11.1	12.413	24.	5.6	22.492	4.743	6.86	9.1	15.	20.16
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	29	4.9	5.212	8.7	3.	1.748	1.322	4.1	4.2	5.75	7.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	17	1.8	4.518	26.	0.1	42.5	6.519	0.42	0.8	6.05	14.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	28	183.	181.357	278.	55.	1942.757	44.077	136.1	155.75	199.75	242.4
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	28	11.05	11.232	18.4	8.7	3.233	1.798	9.	10.3	11.925	13.11
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	23	8.25	8.182	8.61	7.56	0.066	0.258	7.772	8.02	8.36	8.496
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	23	8.25	8.101	8.61	7.56	0.073	0.271	7.772	8.02	8.36	8.496
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	23	0.006	0.008	0.028	0.002	0.	0.006	0.003	0.004	0.01	0.017
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	20 ##	0.025	0.049	0.21	0.	0.003	0.052	0.003	0.025	0.059	0.16
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	21	0.15	0.157	0.6	0.005	0.026	0.16	0.006	0.02	0.19	0.47
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	14	0.024	0.03	0.094	0.001	0.001	0.03	0.001	0.002	0.06	0.077
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	17	3.	2.647	4.	2.	0.368	0.606	2.	2.	3.	3.2
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	20	5.5	6.25	10.	4.	3.566	1.888	4.	5.	8.	9.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	28	4.	43.429	800.	0.	23105.365	152.004	0.	0.	12.	115.3
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	28	0.602	0.702	2.903	0.	0.632	0.795	0.	0.	1.079	2.06
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.035								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/05/96	20 ##	0.015	0.013	0.031	0.	0.	0.008	0.	0.011	0.015	0.029

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-11/05/96	17	25.5	24.359	30.5	17.9	19.025	4.362	17.98	20.6	28.05	30.1
00065	STAGE, STREAM (FEET)	04/12/85-11/05/96	15	4.04	4.378	9.9	0.8	3.806	1.951	2.12	3.35	4.75	7.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/05/96	9	1.8	5.178	21.	0.7	46.037	6.785	0.7	0.9	8.7	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-11/05/96	15	224.	216.733	271.	139.	1205.21	34.716	142.6	208.	237.	256.
00300	OXYGEN, DISSOLVED MG/L	04/25/85-11/05/96	13	8.4	8.554	10.5	7.1	0.856	0.925	7.22	8.	9.05	10.22
00400	PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.195	8.193	8.51	7.81	0.042	0.205	7.837	8.07	8.345	8.477
00400	CONVERTED PH (STANDARD UNITS)	12/22/86-11/05/96	12	8.193	8.146	8.51	7.81	0.044	0.211	7.837	8.07	8.345	8.477
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/86-11/05/96	12	0.006	0.007	0.015	0.003	0.	0.004	0.003	0.005	0.009	0.015
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/87-11/05/96	9 ##	0.025	0.035	0.102	0.	0.001	0.033	0.	0.018	0.053	0.102

** - Less than 9 observations ## - Computed with 50% or more 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: 5/10 to 7/14 - Station BUFF0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/05/96	10	0.105	0.096	0.17	0.01	0.003	0.059	0.011	0.028	0.145	0.169
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	6	0.02	0.042	0.09	0.015	0.001	0.038	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/05/96	7	2.	2.286	3.	2.	0.238	0.488	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/05/96	8	5.	5.25	7.	3.	1.929	1.389	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	16	5.	34.5	364.	0.	7968.667	89.267	0.	2.	19.5	145.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-11/05/96	16	0.69	0.863	2.561	0.	0.544	0.737	0.	0.301	1.29	1.97
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.293								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/05/96	9 ##	0.015	0.015	0.03	0.	0.	0.008	0.	0.015	0.017	0.03

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

Station Inventory for Station: BUFF0050

NPS Station ID: BUFF0050
LAT/LON: 36.067503/ -92.577227
Agency: 112WRD
Date Created: 11/07/81
Location: BUFFALO RIVER NR HARRIET, AR.
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07056700
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005004
RF1 Mile Point: 8.680
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005000400.47
RF3 Mile Point: 0.58
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/79-10/25/82	8	21.25	20.438	31.	3.	100.746	10.037	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	10/25/82-10/25/82	1	759.	759.	759.	759.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/79-10/25/82	8	209.	216.5	249.	193.	373.429	19.324	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/04/79-10/25/82	8	9.85	9.588	13.5	6.4	6.633	2.575	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	12/04/79-10/25/82	8	98.5	103.875	153.	83.	478.411	21.873	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/04/79-10/25/82	7	2.	2.329	5.8	0.9	2.949	1.717	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/79-10/25/82	8	8.2	8.225	8.6	8.1	0.028	0.167	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/04/79-10/25/82	8	8.2	8.202	8.6	8.1	0.028	0.169	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/79-10/25/82	8	0.006	0.006	0.008	0.003	0.	0.002	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/21/81-10/25/82	4	7.95	7.975	8.2	7.8	0.029	0.171	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/21/81-10/25/82	4	7.947	7.951	8.2	7.8	0.03	0.173	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/21/81-10/25/82	4	0.011	0.011	0.016	0.006	0.	0.004	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	04/29/80-04/29/80	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/04/79-08/26/80	4	94.5	95.25	110.	82.	151.583	12.312	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	12/04/79-07/14/81	6	0.5	0.537	0.87	0.27	0.04	0.201	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	12/04/79-10/25/82	8	0.435	0.489	0.78	0.25	0.046	0.213	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	09/16/82-10/25/82	2	0.235	0.235	0.45	0.02	0.092	0.304	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/16/82-10/25/82	2	0.065	0.065	0.08	0.05	0.	0.021	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/79-10/25/82	8	0.035	0.043	0.1	0.	0.001	0.032	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/16/82-10/25/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/16/82-10/25/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	09/16/82-10/25/82	2	0.3	0.3	0.5	0.1	0.08	0.283	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	09/16/82-10/25/82	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/79-10/25/82	8	0.48	0.531	0.84	0.27	0.044	0.211	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/79-10/25/82	8	0.015	0.021	0.05	0.	0.001	0.024	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/04/79-10/25/82	8	0.03	0.028	0.05	0.	0.001	0.023	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/04/79-07/14/81	6	0.015	0.03	0.12	0.	0.002	0.046	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/79-10/25/82	8	0.02	0.02	0.04	0.	0.	0.012	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/21/81-10/25/82	3	0.02	0.015	0.02	0.005	0.	0.009	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/04/79-07/14/81	6	0.005	0.01	0.04	0.	0.	0.015	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/04/79-10/25/82	8	110.	107.5	120.	92.	74.	8.602	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/04/79-08/26/80	4	9.5	8.25	11.	3.	12.917	3.594	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/79-10/25/82	8	38.5	37.875	43.	30.	15.268	3.907	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/79-10/25/82	8	3.3	3.35	4.1	2.6	0.194	0.441	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/79-10/25/82	8	2.1	2.238	2.9	1.6	0.166	0.407	**	**	**	**
00931	SODIUM ADSORPTION RATIO	12/04/79-10/25/82	8	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	12/04/79-10/25/82	8	4.5	4.375	5.	3.	0.554	0.744	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	12/04/79-12/04/79	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**

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Parameter Inventory for Station: BUFF0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/79-10/25/82	8	0.9	0.837	1.1	0.3	0.063	0.25	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/79-10/25/82	8	3.	2.875	4.	2.	0.411	0.641	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/79-10/25/82	8	6.5	5.95	8.	0.6	6.306	2.511	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/04/79-10/25/82	8	0.1	0.087	0.2	0.	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/04/79-10/25/82	8	6.85	7.063	11.	3.6	7.463	2.732	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/04/79-07/14/81	6	0.	0.333	1.	0.	0.267	0.516	**	**	**	**
01001	ARSENIC, SUSPENDED (UG/L AS AS)	12/04/79-07/14/81	6	0.	0.167	1.	0.	0.167	0.408	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	12/04/79-07/14/81	6	0.5	0.5	1.	0.	0.3	0.548	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/04/79-07/14/81	6	20.	31.167	100.	7.	1204.167	34.701	**	**	**	**
01006	BARIUM, SUSPENDED (UG/L AS BA)	12/04/79-07/14/81	6	0.	83.333	300.	0.	17666.667	132.916	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	12/04/79-07/14/81	6	53.5	101.167	300.	0.	15728.167	125.412	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	12/04/79-07/14/81	6	10.	8.667	10.	2.	10.667	3.266	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/04/79-10/25/82	8 ##	0.5	0.563	1.	0.5	0.031	0.177	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/04/79-08/26/80	4	0.	0.25	1.	0.	0.25	0.5	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	12/04/79-10/25/82	8	0.	0.313	1.	0.	0.21	0.458	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/04/79-10/25/82	8	5.	5.	10.	0.	28.571	5.345	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/04/79-10/25/82	7	0.	2.857	10.	0.	23.81	4.88	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/04/79-10/25/82	8	5.	6.25	20.	0.	55.357	7.44	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	12/04/79-10/25/82	8 ##	1.5	1.375	1.5	1.	0.054	0.231	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	12/04/79-10/25/82	5	0.	1.2	6.	0.	7.2	2.683	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	12/04/79-10/25/82	8	0.5	1.75	7.	0.	6.5	2.55	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/79-10/25/82	8	1.5	3.75	21.	0.	49.071	7.005	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	12/04/79-10/25/82	7	4.	4.429	11.	0.	14.952	3.867	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	12/04/79-10/25/82	8	4.	7.75	27.	2.	71.643	8.464	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	12/04/79-07/14/81	6	115.	108.333	140.	60.	736.667	27.142	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/04/79-10/25/82	8	115.	106.25	140.	50.	1112.5	33.354	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/04/79-10/25/82	8	10.	13.188	30.	1.5	85.281	9.235	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/04/79-10/25/82	8	2.5	2.25	6.	0.	3.929	1.982	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	12/04/79-10/25/82	7	1.	2.	5.	0.	4.	2.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/04/79-10/25/82	8	4.5	4.125	8.	0.	7.268	2.696	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	12/04/79-10/25/82	7	10.	10.857	20.	1.	50.143	7.081	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/04/79-10/25/82	8	20.	21.25	30.	10.	69.643	8.345	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/79-10/25/82	8	10.	10.25	20.	5.	19.357	4.4	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/16/82-10/25/82	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	10/25/82-10/25/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/16/82-10/25/82	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	12/04/79-10/25/82	8	0.	0.125	0.5	0.	0.054	0.231	**	**	**	**
01076	SILVER, SUSPENDED (UG/L AS AG)	12/04/79-07/14/81	6	0.	0.5	2.	0.	0.7	0.837	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	12/04/79-10/25/82	8	0.25	0.5	2.	0.	0.5	0.707	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/79-10/25/82	8	9.5	9.375	30.	1.5	84.482	9.191	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	12/04/79-10/25/82	7	20.	41.429	150.	10.	2380.952	48.795	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/79-10/25/82	8	20.	46.25	160.	20.	2369.643	48.679	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/04/79-07/14/81	6	0.	0.	0.	0.	0.	0.	**	**	**	**
01146	SELENIUM, SUSPENDED (UG/L AS SE)	12/04/79-07/14/81	6	0.	0.	0.	0.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	12/04/79-07/14/81	6	0.	0.	0.	0.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/04/79-10/25/82	8	3.5	7.75	24.	1.	88.214	9.392	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/04/79-10/25/82	8	0.5	0.568	1.38	0.	0.337	0.581	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			3.702								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/04/79-10/25/82	8	14.5	16.125	31.	1.	112.696	10.616	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/04/79-10/25/82	8	1.161	1.043	1.491	0.	0.254	0.504	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			11.036								
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	07/08/80-09/16/82	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/04/79-09/16/82	4	0.	0.5	2.	0.	1.	1.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	4	0.	0.3	1.2	0.	0.36	0.6	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**

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Parameter Inventory for Station: BUFF0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	4	0.075	0.063	0.1	0.	0.002	0.048	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	4	0.	0.025	0.1	0.	0.003	0.05	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.125	0.5	0.	0.063	0.25	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/04/79-09/16/82	4	0.	1.25	5.	0.	6.25	2.5	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	12/04/79-09/16/82	4	0.025	0.087	0.3	0.	0.021	0.144	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/04/79-09/16/82	4	0.	0.75	3.	0.	2.25	1.5	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	12/04/79-07/08/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	09/16/82-09/16/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	12/04/79-07/08/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	09/16/82-09/16/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	12/04/79-07/08/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	09/16/82-09/16/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	12/04/79-09/16/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	07/14/81-09/16/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/79-10/25/82	8	127.5	130.25	160.	115.	213.071	14.597	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/04/79-10/25/82	8	117.5	121.5	141.	108.	153.429	12.387	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/04/79-10/25/82	8	0.17	0.178	0.22	0.16	0.	0.02	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/21/81-07/14/81	2	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	12/04/79-08/26/80	4	0.05	0.05	0.1	0.	0.002	0.048	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	09/16/82-10/25/82	2	0.08	0.08	0.1	0.06	0.001	0.028	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	12/04/79-10/25/82	8	0.06	0.06	0.12	0.	0.001	0.036	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	12/04/79-07/14/81	6	2.25	2.4	3.9	1.2	0.812	0.901	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/04/79-10/25/82	8	0.	0.031	0.2	0.	0.005	0.07	**	**	**	**
71895	MERCURY, SUSPENDED (UG/L AS HG)	12/04/79-10/25/82	7	0.	0.043	0.1	0.	0.003	0.053	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	12/04/79-10/25/82	7	0.	0.071	0.3	0.	0.012	0.111	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	07/14/81-09/16/82	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	04/21/81-07/14/81	2	0.75	0.75	0.8	0.7	0.005	0.071	**	**	**	**
82356	2,4-DP DISSOLVED IN WATER UG/L	09/16/82-09/16/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00400	PH	Other-Hi Lim.	9.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	250.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01006	BARIUM, SUSPENDED	Drinking Water	2000.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	8	1	0.13	4	0	0.00	2	0	0.00	2	1	0.50			
		Drinking Water	1300.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	1	0.13	4	0	0.00	2	0	0.00	2	1	0.50			
		Drinking Water	1300.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01076	SILVER, SUSPENDED	Fresh Acute	4.1	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	7	1	0.14	3	1	0.33	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: BUFF0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01092	ZINC, TOTAL	Fresh Acute	120.	8	1	0.13	4	1	0.25	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	4	0	0.00	2	0	0.00				2	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	0.2	4	0	0.00	2	0	0.00				2	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00				2	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	4	0	0.00	2	0	0.00				2	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	4	0	0.00	2	0	0.00				2	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	4	0	0.00	2	0	0.00				2	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	4	0	0.00	2	0	0.00				2	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	4	0	0.00	2	0	0.00				2	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00				2	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	3.	4	0	0.00	2	0	0.00				2	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	0.4	4	0	0.00	2	0	0.00				2	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	0.2	4	0	0.00	2	0	0.00				2	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	2	0	0.00				2	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	4	0	0.00	2	0	0.00				2	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00	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									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00	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									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	2.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	2.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	2.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			

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

Station Inventory for Station: BUFF0051

NPS Station ID: BUFF0051 LAT/LON: 36.050004/ -92.577781 Agency: 1116APCC Date Created: 02/03/90
Location: WATER CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS024 /BUFT15 /4J00036
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 152 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.70 On/Off RF1:
RF3 Index: 11010005000419.42 RF3 Mile Point: 19.41 Distance from RF3: 0.00 On/Off RF3:
Description:
POINT LOCATION: MONITORING SITE 0.1 MILES UPSTREAM FROM THE MOUTH -- ACCESS VIA FOOT/ATV TRAIL 2.5 MILES FROM HIGHWAY 14 (0.2 MILES EAST OF HIGHWAY 268 JUNCTION)

Parameter Inventory for Station: BUFF0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-10/08/96	76	20.45	19.079	28.	4.7	40.3	6.348	9.17	14.	24.75	26.86
00060	FLOW, STREAM, MEAN DAILY CFS	01/07/92-10/31/95	21	19.	27.81	118.	2.	913.062	30.217	4.	5.5	41.5	83.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-10/08/96	10	11.	15.5	37.	2.	151.389	12.304	2.3	5.	26.75	36.2
00065	STAGE, STREAM (FEET)	04/12/85-04/07/92	12	0.83	0.188	1.5	-1.5	0.541	0.736	0.006	0.155	-0.05	-1.074
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/08/96	50	0.6	1.23	17.	0.2	7.44	2.728	0.3	0.4	0.8	1.29
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-10/08/96	75	275.	273.453	479.	191.	1431.332	37.833	230.8	254.	290.	307.
00300	OXYGEN, DISSOLVED MG/L	04/25/85-10/08/96	60	10.05	10.5	22.8	8.	5.934	2.436	8.6	9.	11.4	12.48
00400	PH (STANDARD UNITS)	06/17/87-10/08/96	62	8.27	8.275	8.74	7.24	0.057	0.239	8.019	8.16	8.415	8.538
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/08/96	62	8.27	8.186	8.74	7.24	0.065	0.255	8.019	8.16	8.415	8.538
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/08/96	62	0.005	0.007	0.058	0.002	0.	0.007	0.003	0.004	0.007	0.01
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/93-12/07/93	4	157.5	158.	164.	153.	28.667	5.354	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/08/96	28	0.025	0.041	0.129	0.	0.001	0.031	0.	0.025	0.065	0.086
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-09/26/89	5	0.1	0.13	0.2	0.05	0.005	0.067	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/08/96	28	0.145	0.187	0.52	0.02	0.021	0.146	0.03	0.06	0.288	0.418
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-11/23/92	10 ##	0.001	0.007	0.015	0.001	0.	0.007	0.001	0.001	0.015	0.015
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/93-07/26/94	6	157.	153.167	164.	127.	180.167	13.423	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/07/92-10/08/96	23	4.	4.043	6.	2.	1.225	1.107	2.4	3.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/07/92-10/08/96	22	6.	5.409	11.	1.	6.92	2.631	2.	3.5	7.	9.7
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/04/85-07/15/87	5	140.	161.4	345.	52.	13682.3	116.971	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	08/04/85-07/15/87	5	2.146	2.113	2.538	1.716	0.107	0.327	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			129.721								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	76	6.5	29.329	680.	0.	7947.317	89.148	0.	2.	19.75	41.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	76	0.812	0.868	2.833	0.	0.435	0.659	0.	0.301	1.295	1.62
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.375								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/07/92-10/08/96	21 ##	0.015	0.015	0.035	0.	0.	0.007	0.003	0.015	0.015	0.015
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/10/94-10/31/95	11	0.5	0.764	2.5	0.4	0.429	0.655	0.4	0.4	0.6	2.3

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

EPA Water Quality Criteria Analysis for Station: BUFF0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	50	0	0.00	28	0	0.00	11	0	0.00	11	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	60	0	0.00	32	0	0.00	15	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	62	0	0.00	32	0	0.00	15	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	62	0	0.00	32	0	0.00	15	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	28	0	0.00	14	0	0.00	6	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	23	0	0.00	11	0	0.00	6	0	0.00	6	0	0.00			
		Drinking Water	250.	23	0	0.00	11	0	0.00	6	0	0.00	6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	10	0	0.00	6	0	0.00	6	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	76	3	0.04	41	2	0.05	16	1	0.06	19	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-10/08/96	40	22.45	20.245	28.	7.7	36.954	6.079	9.29	16.925	24.975	27.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/08/96	28	0.6	1.096	10.2	0.3	3.799	1.949	0.3	0.5	0.8	1.54
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-10/08/96	41	274.	268.902	343.	191.	811.84	28.493	227.6	251.	285.5	297.4
00300	OXYGEN, DISSOLVED MG/L	04/25/85-10/08/96	32	9.45	9.806	13.	8.	2.083	1.443	8.3	8.7	10.7	12.44
00400	PH (STANDARD UNITS)	06/17/87-10/08/96	32	8.255	8.244	8.69	7.75	0.033	0.18	8.053	8.16	8.36	8.456
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/08/96	32	8.255	8.206	8.69	7.75	0.034	0.184	8.053	8.16	8.36	8.456
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/08/96	32	0.006	0.006	0.018	0.002	0.	0.003	0.004	0.004	0.007	0.009
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/08/96	14 ##	0.025	0.036	0.083	0.	0.001	0.025	0.	0.025	0.06	0.078
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/08/96	14	0.12	0.206	0.52	0.02	0.034	0.185	0.025	0.055	0.388	0.505
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	41	8.	34.78	680.	0.	12264.976	110.747	0.	2.5	17.	47.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	41	0.903	0.877	2.833	0.	0.443	0.666	0.	0.389	1.23	1.673
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.536								

** - 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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-10/08/96	16	12.15	12.15	18.	4.7	16.031	4.004	5.96	9.15	15.6	17.86
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/08/96	11	0.4	2.218	17.	0.2	24.568	4.957	0.2	0.3	1.3	14.14
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-10/08/96	16	272.	261.063	314.	191.	1458.729	38.193	191.7	241.25	286.	307.7
00300	OXYGEN, DISSOLVED MG/L	04/25/85-10/08/96	15	11.4	11.753	19.5	8.6	5.891	2.427	9.44	10.3	12.	15.84
00400	PH (STANDARD UNITS)	06/17/87-10/08/96	15	8.4	8.318	8.74	7.24	0.132	0.364	7.702	8.2	8.5	8.728
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/08/96	15	8.4	8.094	8.74	7.24	0.186	0.432	7.702	8.2	8.5	8.728
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/08/96	15	0.004	0.008	0.058	0.002	0.	0.014	0.002	0.003	0.006	0.029
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/08/96	6 ##	0.025	0.038	0.129	0.	0.002	0.046	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/08/96	6	0.18	0.197	0.34	0.08	0.01	0.102	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	16	5.	28.625	320.	0.	6185.317	78.647	0.	0.25	18.5	124.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	16	0.699	0.769	2.505	0.	0.508	0.713	0.	0.	1.233	1.873
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.874								

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-10/08/96	20	22.5	22.29	28.	14.9	16.423	4.053	16.5	18.725	26.5	27.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/08/96	11	0.6	0.582	1.	0.3	0.044	0.209	0.3	0.4	0.7	0.96
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-10/08/96	18	285.	294.833	479.	260.	2354.735	48.526	264.5	271.75	295.25	333.2
00300	OXYGEN, DISSOLVED MG/L	04/25/85-10/08/96	13	9.7	10.762	22.8	9.	13.599	3.688	9.	9.05	10.4	18.2
00400	PH (STANDARD UNITS)	06/17/87-10/08/96	15	8.33	8.297	8.6	7.94	0.039	0.199	7.946	8.21	8.45	8.546
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/08/96	15	8.33	8.252	8.6	7.94	0.042	0.204	7.946	8.21	8.45	8.546
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/08/96	15	0.005	0.006	0.011	0.003	0.	0.003	0.003	0.004	0.006	0.011
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/08/96	8	0.062	0.053	0.088	0.01	0.001	0.03	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/08/96	8	0.135	0.146	0.28	0.03	0.009	0.094	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	19	12.	18.158	93.	0.	504.029	22.451	0.	2.	26.	46.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-10/08/96	19	1.079	0.931	1.968	0.	0.391	0.625	0.	0.301	1.415	1.663
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.524								

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

Station Inventory for Station: BUFF0052

NPS Station ID: BUFF0052 LAT/LON: 36.065281/ -92.579170 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R NR PETER HOLLOW IN BUFFALO R STATE PK FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF34
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 8.780 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010003004818.32 RF3 Mile Point: 18.70 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER NEAR PETER HOLLOW IN BUFFALO RIVER STATE PARK, ARKANSAS

Parameter Inventory for Station: BUFF0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-03/06/75	6	34.5	35.817	49.	24.3	72.318	8.504	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-03/26/75	10	2018.	1956.1	3550.	442.	1001956.322	1000.978	496.8	997.5	2852.5	3494.5
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-03/26/75	10	658.5	658.7	962.	298.	56094.456	236.843	303.2	453.5	898.5	959.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-03/06/75	6	2.95	2.933	4.	1.8	0.583	0.763	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-03/06/75	5	0.006	0.006	0.01	0.003	0.	0.003	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-03/06/75	5	0.008	0.007	0.01	0.002	0.	0.004	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-03/06/75	6	1.33	1.438	1.94	1.27	0.065	0.256	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-03/26/75	10	5.	5.11	11.	0.1	13.099	3.619	0.29	2.	8.25	10.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-03/06/75	6	0.86	0.838	1.07	0.63	0.025	0.159	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-03/06/75	5	0.004	0.004	0.01	0.	0.	0.004	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-03/26/75	10	93.	93.4	158.	2.	1786.267	42.264	9.2	74.	116.25	156.6
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-03/06/75	6	1.	0.917	1.	0.5	0.042	0.204	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	3	0.2	0.267	0.4	0.2	0.013	0.115	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	9	0.8	1.086	2.3	0.4	0.45	0.671	0.4	0.585	1.75	2.3
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	10	9.	9.39	18.	3.	17.432	4.175	3.39	6.975	11.	17.6
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-03/06/75	5	2.	1.8	2.	1.	0.2	0.447	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	3	0.5	0.433	0.5	0.3	0.013	0.115	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-03/06/75	5	3.	3.6	6.	2.	2.3	1.517	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	3	0.5	0.5	0.7	0.3	0.04	0.2	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-03/26/75	10	5.	5.47	12.	3.	7.231	2.689	3.	3.75	6.425	11.57
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-03/06/75	6	1.	3.667	14.	1.	27.067	5.203	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	2	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-03/26/75	10	3.	2.72	5.	1.	1.095	1.046	1.1	2.	3.	4.8
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-03/06/75	5	108.	112.	218.	20.	6623.5	81.385	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-03/06/75	6	8.	17.833	54.	3.	413.767	20.341	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-03/06/75	6	3.	5.333	16.	2.	28.267	5.317	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	3	1.	1.533	3.	0.6	1.653	1.286	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-03/26/75	10	7.25	8.91	15.	0.6	27.192	5.215	0.94	5.5	15.	15.
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-03/26/75	10	187.5	196.1	375.	79.	7610.767	87.24	83.6	127.25	236.25	367.8
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-03/06/75	5	7.	5.74	8.5	1.	8.483	2.913	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-03/06/75	6	5.4	5.733	7.3	5.	0.831	0.911	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-03/06/75	5	2.	3.	6.	1.	4.	2.	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	3	1.	0.767	1.	0.3	0.163	0.404	**	**	**	**

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

Parameter Inventory for Station: BUFF0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	10	8.5	7.85	11.	4.	5.669	2.381	4.15	5.875	9.5	11.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	3	45.	41.667	51.	29.	129.333	11.372	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	3	0.4	0.5	0.7	0.4	0.03	0.173	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-03/06/75	6	12.5	18.	41.	1.	337.6	18.374	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-03/06/75	5	1.	1.26	2.	0.3	0.538	0.733	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-03/26/75	10	79.	127.9	515.	67.	18794.767	137.094	67.2	71.25	109.25	474.8
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-03/26/75	10	0.8	580.7	5800.	0.3	3363097.873	1833.875	0.34	0.775	0.925	5220.1
81357	CALCIUM SUSPENDED MG/L	05/21/74-03/06/75	5	0.03	0.036	0.07	0.02	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: BUFF0052

				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	6	1	0.17	2	0	0.00	2	0	0.00	2	1	0.50			
01050	LEAD, SUSPENDED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: BUFF0053

NPS Station ID: BUFF0053
LAT/LON: 36.068059/ -92.579449
Agency: 21ARAPCC
Date Created: 08/12/77
Location: BUFFALO RIVER AT BUFFALO ST PARK
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 060308 /4J142
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SC LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005004
RF1 Mile Point: 8.780
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010003044200.00
RF3 Mile Point: 0.10
Distance from RF3: 0.22
On/Off RF3:
Description:
A BASIN SURVEY STATION INITIATED IN THE SUMMERS OF 1970-1971 AS PART OF A STUDY OF THE WATER QUALITY AND SOURCES OF POLLUTION IN THE ARKANSAS PORTION OF THE WHITE RIVER BASIN THIS STATION IS LOCATED ON THE BUFFALO RIVER AT BUFFALO RIVER STATE PARK ON HIGHWAY 14 THIS STATION WAS ORIGINALLY DESIGNATED AS 121UA SECTION 33 TOWNSHIP 17 NORTH RANGE 15 WEST IN MARION COUNTY ARKANSAS

Parameter Inventory for Station: BUFF0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/71-07/19/71	4	30.25	30.375	31.	30.	0.229	0.479	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/13/71-07/19/71	4	30.5	30.25	33.	27.	7.583	2.754	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/71-07/19/71	4 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/13/71-07/19/71	4	0.	1.25	5.	0.	6.25	2.5	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/71-07/19/71	4	183.	193.25	227.	180.	508.917	22.559	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/13/71-07/19/71	4	8.4	8.25	9.2	7.	1.263	1.124	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/13/71-07/19/71	4	1.3	1.7	3.6	0.6	1.773	1.332	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/71-07/19/71	4	6.85	6.875	7.2	6.6	0.076	0.275	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/71-07/19/71	4	6.825	6.814	7.2	6.6	0.081	0.284	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/71-07/19/71	4	0.15	0.153	0.251	0.063	0.008	0.087	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/71-07/19/71	4	109.5	108.75	122.	94.	219.583	14.818	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/13/71-07/19/71	4	100.	94.25	116.	61.	698.25	26.424	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/71-07/19/71	4	92.	74.	106.	6.	2211.333	47.025	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/71-07/19/71	4	10.	20.25	55.	6.	540.917	23.258	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/13/71-07/19/71	4	0.	0.02	0.08	0.	0.002	0.04	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/13/71-07/19/71	4	0.07	0.055	0.08	0.	0.001	0.037	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/13/71-07/19/71	4	112.	113.	121.	107.	40.	6.325	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/13/71-07/19/71	4	90.	92.	100.	88.	29.333	5.416	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/13/71-07/19/71	4	36.	36.9	40.	35.6	4.307	2.075	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/13/71-07/19/71	4	4.6	5.075	7.5	3.6	2.836	1.684	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/71-07/19/71	4	3.	2.75	3.	2.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/71-07/19/71	4	2.	2.25	5.	0.	6.917	2.63	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/13/71-07/15/71	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/71-07/15/71	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	2	0	0.00				2	0	0.00			
00400	PH	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	2	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	250.	4	0	0.00	2	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00				2	0	0.00			

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

Station Inventory for Station: BUFF0054

NPS Station ID: BUFF0054 LAT/LON: 36.020838/ -92.589171 Agency: 21ARUNFA Date Created: 10/06/79
Location: SPRING CR- BUFFALO R CONF, N OF MORNING STAR FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF72
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 13.130 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000417.16 RF3 Mile Point: 17.18 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM SPRING CREEK- BUFFALO RIVER CONFLUENCE, 3.3 MILES NORTH OF MORNING STAR

Parameter Inventory for Station: BUFF0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	10440.	10440.	10440.	10440.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	2120.	2120.	2120.	2120.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	113.	113.	113.	113.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	380.	380.	380.	380.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	6900.	6900.	6900.	6900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0055

NPS Station ID: BUFF0055 LAT/LON: 36.155004/ -92.594726 Agency: 21ARUNFA Date Created: 10/06/79
Location: CLABBER CR APPR 400 FT DNST FR CONF OF UNMD TRIB FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CLAB05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005003 RF1 Mile Point: 3.760 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000301.35 RF3 Mile Point: 1.93 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CLABBER CR APPR 400 FT DOWNSTREAM FROM CONFLUENCE OF UNNAMED TRIBUTARY

Parameter Inventory for Station: BUFF0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	1	49500.	49500.	49500.	49500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	1	9421.	9421.	9421.	9421.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	1	218.	218.	218.	218.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	1	117.	117.	117.	117.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	1	6800.	6800.	6800.	6800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0056

NPS Station ID: BUFF0056 LAT/LON: 36.159726/ -92.605560 Agency: 21ARUNFA Date Created: 10/06/79
Location: CLABBER CR APPR 600 FT UPST FR CONF OF UNMD TRIB FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CLAB06
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005003 RF1 Mile Point: 4.440 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000302.37 RF3 Mile Point: 3.32 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CLABBER CREEK APPR 600 FT UPSTREAM FROM CONFLUENCE OF UNNAMED TRIBUTARY

Parameter Inventory for Station: BUFF0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	1	32000.	32000.	32000.	32000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	1	8003.	8003.	8003.	8003.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	1	283.	283.	283.	283.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	1	7400.	7400.	7400.	7400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0057

NPS Station ID: BUFF0057 LAT/LON: 36.171670/ -92.615559 Agency: 21ARUNFA Date Created: 10/06/79
Location: CLABBER CR APPR 400 FT DNST FR CONF OF UNMD TRIB FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CLAB07
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005003 RF1 Mile Point: 5.620 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000302.37 RF3 Mile Point: 3.62 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CLABBER CREEK APPR 400 FEET DOWNSTREAM FROM CONFLUENCE OF UNNAMED TRIB

Parameter Inventory for Station: BUFF0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/19/75-07/19/75	1	70500.	70500.	70500.	70500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/19/75-07/19/75	1	5023.	5023.	5023.	5023.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/19/75-07/19/75	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/19/75-07/19/75	1	151.	151.	151.	151.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	2.75	2.75	2.75	2.75	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/19/75-07/19/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/19/75-07/19/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/19/75-07/19/75	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/19/75-07/19/75	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/19/75-07/19/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/19/75-07/19/75	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/19/75-07/19/75	1	4600.	4600.	4600.	4600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0058

NPS Station ID: BUFF0058
LAT/LON: 36.000005/ -92.633337
Agency: 21ARUNFA
Date Created: 10/06/79
Location: LITTLE ROCKY CR 1.5 MILES UPST FR BUFFALO RIVER
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF70
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005004
RF1 Mile Point: 19.840
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005005800.03
RF3 Mile Point: 2.46
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LITTLE ROCKY CREEK 1.5 MILES UPSTREAM FROM BUFFALO RIVER

Parameter Inventory for Station: BUFF0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	3040.	3040.	3040.	3040.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	1370.	1370.	1370.	1370.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	72.	72.	72.	72.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	310.	310.	310.	310.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	8400.	8400.	8400.	8400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0059

NPS Station ID: BUFF0059 LAT/LON: 36.037781/ -92.636116 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R- MAUMEE XING, 4.8 MI NE / MORNING STAR FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF71
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 17.580 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005025500.28 RF3 Mile Point: 1.76 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER- MAUMEE CROSSING, 4.8 MILES NORTHEAST OF MORNING STAR

Parameter Inventory for Station: BUFF0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	1930.	1930.	1930.	1930.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	542.	542.	542.	542.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	99.	99.	99.	99.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	11.4	11.4	11.4	11.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	225.	225.	225.	225.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	9000.	9000.	9000.	9000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0060

NPS Station ID: BUFF0060 LAT/LON: 36.000005/ -92.649449 Agency: 21ARUNFA Date Created: 10/06/79
Location: ROCKY CREEK 2 MI UPST FR BUFFALO RIVER CONF FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF69
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 20.300 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000420.94 RF3 Mile Point: 21.52 Distance from RF3: 0.04 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ROCKY CREEK 2 MILES UPSTREAM FROM BUFFALO RIVER CONFLUENCE; RM 46.5

Parameter Inventory for Station: BUFF0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	1255.	1255.	1255.	1255.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	251.	251.	251.	251.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	78.	78.	78.	78.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	11.4	11.4	11.4	11.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	173.	173.	173.	173.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	8300.	8300.	8300.	8300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0061

NPS Station ID: BUFF0061 LAT/LON: 36.022226/ -92.671392 Agency: 21ARUNFA Date Created: 10/06/79
Location: TOMAHAWK CR AT BUFFALO R CONF, 4.5 MI N OF ZACK FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF68
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 23.250 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005003400.48 RF3 Mile Point: 0.96 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM TOMAHAWK CR AT CONFLUENCE WITH BUFFALO RIVER, 4.5 MILES NORTH OF ZACK

Parameter Inventory for Station: BUFF0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	1560.	1560.	1560.	1560.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	270.	270.	270.	270.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	257.	257.	257.	257.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	5300.	5300.	5300.	5300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0062

NPS Station ID: BUFF0062 LAT/LON: 36.021671/ -92.671670 Agency: 1116APCC Date Created: 02/03/90
Location: TOMAHAWK CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS023 /BUFT14 /4J00035
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 165 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.30 On/Off RF1:
RF3 Index: 11010005026200.00 RF3 Mile Point: 0.03 Distance from RF3: 0.10 On/Off RF3:
Description:
POINT LOCATION: ACCESS VIA UNPAVED ROAD 7.9 MILES EAST OF ST.JOE - MONITORING SITE AT MOUTH OF CREEK - LAST 0.6 MILES FROM ROAD REQUIRES CREEK CROSSING AND 4X4 OR ATV

Parameter Inventory for Station: BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	130	15.5	17.071	28.5	5.2	31.69	5.629	10.73	12.2	22.6	25.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/91-02/26/91	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/07/92-11/27/95	20	19.	25.65	112.	3.	812.134	28.498	4.	5.25	28.	83.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-12/10/96	55	350.	1410.145	9000.	7.	4039511.645	2009.854	18.	58.	2070.	4300.
00065	STAGE, STREAM (FEET)	04/12/85-05/08/95	65	-5.2	-4.333	8.5	-8.35	12.127	3.482	0.436	-0.365	-7.15	-7.876
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	102	6.15	82.065	800.	0.4	22883.634	151.273	0.5	0.7	92.	257.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	129	315.	265.636	373.	79.	8245.515	90.805	123.	164.	336.	355.
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	104	9.8	10.227	21.5	7.2	3.092	1.758	8.6	9.2	10.575	12.2
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	106	8.1	8.104	8.55	7.07	0.054	0.232	7.821	7.9	8.262	8.39
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	106	8.1	8.029	8.55	7.07	0.059	0.244	7.821	7.9	8.262	8.39
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	106	0.008	0.009	0.085	0.003	0.	0.009	0.004	0.005	0.013	0.015
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/93-10/19/93	3	187.	187.	190.	184.	9.	3.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/94-01/13/95	46	182.	402.109	2010.	11.	259167.521	509.085	37.6	83.75	523.25	1087.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-09/17/96	97 ##	0.025	0.044	0.231	0.	0.001	0.037	0.025	0.025	0.071	0.083
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-01/13/95	59	1.17	1.558	7.38	0.05	2.082	1.443	0.2	0.74	1.79	3.4
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-09/17/96	96	0.31	0.326	0.88	0.06	0.031	0.175	0.1	0.213	0.423	0.544
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-01/13/95	69	0.174	0.232	0.992	0.001	0.059	0.243	0.003	0.015	0.339	0.556
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/03/94-01/13/95	40	7.25	6.978	13.8	1.4	9.091	3.015	1.85	5.45	8.25	12.06
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-07/11/94	5	187.	191.	200.	184.	69.	8.307	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	01/29/91-01/29/91	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/23/90-09/17/96	89	4.	3.584	7.	2.	1.45	1.204	2.	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/90-09/17/96	92	8.	7.783	16.	3.	7.227	2.688	4.3	6.	10.	11.7
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/14/91-05/14/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/02/85-07/14/87	5	125.	112.2	150.	56.	1304.2	36.114	**	**	**	**

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

Parameter Inventory for Station: BUFF0062

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,	08/02/85-07/14/87	5	2.097	2.027	2.176	1.748	0.028	0.168	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			106.421								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	129	146.	3340.488	41000.	0.	34925275.158	5909.761	12.	41.	5100.	10400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	129	2.164	2.485	4.613	0.	1.425	1.194	1.079	1.613	3.707	4.017
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			305.456								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/94-01/13/95	51	124.	130.294	181.	98.	598.012	24.454	105.	110.	147.	175.6
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/23/90-09/17/96	91 ##	0.015	0.032	0.168	0.	0.001	0.036	0.01	0.01	0.049	0.086
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/08/94-11/27/95	61	70.	132.577	800.	0.4	31566.491	177.67	0.8	16.5	170.	408.
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/29/94-01/13/95	49	2.2	2.761	8.03	0.79	3.317	1.821	1.14	1.66	2.76	6.42

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: BUFF0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	102	38	0.37	40	10	0.25	48	28	0.58	14	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	104	0	0.00	35	0	0.00	55	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	106	0	0.00	38	0	0.00	51	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	106	0	0.00	38	0	0.00	51	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	96	0	0.00	35	0	0.00	50	0	0.00	11	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	89	0	0.00	31	0	0.00	50	0	0.00	8	0	0.00			
		Drinking Water	250.	89	0	0.00	31	0	0.00	50	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	92	0	0.00	32	0	0.00	51	0	0.00	9	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	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			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	129	63	0.49	53	19	0.36	54	38	0.70	22	6	0.27			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	61	36	0.59	18	10	0.56	41	26	0.63	2	0	0.00			

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

Annual Analysis for 1985 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	11	23.	22.255	26.1	15.9	10.965	3.311	16.22	19.8	25.	25.88
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	11	320.	314.091	336.	278.	239.491	15.475	281.6	309.	322.	333.2
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	11	24.	43.091	114.	12.	1309.891	36.192	12.	14.	78.	108.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	11	1.38	1.491	2.057	1.079	0.138	0.371	1.079	1.146	1.892	2.034
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.981								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	6	25.75	25.083	27.	21.	5.442	2.333	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	6	328.5	326.833	346.	304.	186.167	13.644	**	**	**	**
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	6	8.23	8.168	8.35	7.76	0.046	0.214	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	6	8.23	8.116	8.35	7.76	0.049	0.222	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	6	0.006	0.008	0.017	0.004	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	5	6.	23.2	56.	0.	849.2	29.141	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	5	0.778	0.852	1.748	0.	0.759	0.871	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.108								

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

Annual Analysis for 1988 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	5	23.9	24.12	27.	19.4	9.387	3.064	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	5	0.5	1.8	6.9	0.5	8.13	2.851	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	4	323.5	332.25	373.	309.	832.917	28.86	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	3	8.4	8.8	9.6	8.4	0.48	0.693	**	**	**	**
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	5	7.92	7.934	8.12	7.73	0.026	0.163	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	5	7.92	7.91	8.12	7.73	0.027	0.165	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	5	0.012	0.012	0.019	0.008	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	5	64.	204.2	776.	34.	102527.2	320.199	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	5	1.806	1.989	2.89	1.531	0.275	0.525	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			97.508								

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

Annual Analysis for 1989 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	8	22.45	21.738	27.	15.1	13.046	3.612	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	8	0.9	1.	1.9	0.5	0.209	0.457	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	8	334.	333.5	363.	303.	425.143	20.619	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	8	9.5	9.438	9.8	9.	0.097	0.311	**	**	**	**
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	7	8.27	8.286	8.39	8.2	0.006	0.075	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	7	8.27	8.28	8.39	8.2	0.006	0.075	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	7	0.005	0.005	0.006	0.004	0.	0.001	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	8	41.	37.375	54.	22.	156.268	12.501	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	8	1.612	1.549	1.732	1.342	0.025	0.158	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			35.378								

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

Annual Analysis for 1990 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	10	16.9	18.03	27.1	10.7	27.042	5.2	11.	13.925	22.35	26.85
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	10	0.9	3.28	24.	0.4	53.222	7.295	0.42	0.6	1.725	21.78
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	9	344.	333.	365.	261.	1017.5	31.898	261.	319.5	357.5	365.
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	10	9.8	9.9	11.9	8.1	1.358	1.165	8.17	8.875	10.65	11.85
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	10	8.22	8.231	8.55	8.02	0.023	0.152	8.024	8.135	8.278	8.534
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	10	8.22	8.209	8.55	8.02	0.024	0.153	8.024	8.135	8.278	8.534
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	10	0.006	0.006	0.01	0.003	0.	0.002	0.003	0.005	0.007	0.009
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	10	99.	359.8	2320.	12.	490725.511	700.518	15.9	57.75	360.5	2127.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	10	1.995	2.109	3.365	1.079	0.378	0.615	1.142	1.761	2.556	3.289
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			128.532								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	14	15.25	16.829	26.	9.5	37.875	6.154	9.6	10.	22.975	26.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	12	0.65	0.925	2.6	0.4	0.473	0.688	0.4	0.5	1.35	2.36
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	12	334.	325.833	368.	210.	1605.97	40.075	236.7	328.25	340.25	365.
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	14	10.1	10.693	13.3	8.8	2.025	1.423	9.05	9.75	11.75	13.05
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	10	8.265	8.286	8.45	8.09	0.015	0.124	8.098	8.192	8.42	8.45
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	10	8.265	8.27	8.45	8.09	0.016	0.125	8.098	8.192	8.42	8.45
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	10	0.005	0.005	0.008	0.004	0.	0.002	0.004	0.004	0.006	0.008
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	12	102.	161.333	418.	4.	24619.879	156.907	5.2	18.	287.	415.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	12	1.976	1.856	2.621	0.602	0.492	0.702	0.692	1.198	2.457	2.619
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			71.816								

** - 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 1992 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	6	18.35	18.017	26.5	9.9	46.71	6.834	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	6	0.8	1.583	5.4	0.4	3.638	1.907	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	6	337.	333.	349.	306.	260.8	16.149	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	6	10.4	10.717	12.5	9.5	1.506	1.227	**	**	**	**
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	6	8.27	8.265	8.46	8.09	0.022	0.147	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	6	8.264	8.245	8.46	8.09	0.022	0.148	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	6	0.005	0.006	0.008	0.003	0.	0.002	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	6	77.	86.833	203.	1.	6646.167	81.524	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	6	1.842	1.536	2.307	0.	0.777	0.881	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			34.35								

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

Annual Analysis for 1993 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	8	15.4	16.675	28.5	9.7	45.888	6.774	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	8	0.95	1.175	3.5	0.4	1.025	1.012	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	8	335.	317.75	361.	249.	1947.357	44.129	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	8	9.9	10.05	12.2	7.4	3.377	1.838	**	**	**	**
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	6	8.28	8.253	8.52	7.86	0.046	0.215	**	**	**	**

** - 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 1993 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	6	8.28	8.203	8.52	7.86	0.049	0.222	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	6	0.005	0.006	0.014	0.003	0.	0.004	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	8	72.5	96.75	213.	3.	7360.786	85.795	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	8	1.815	1.707	2.328	0.477	0.423	0.65	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			50.915								

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Annual Analysis for 1994 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	27	15.5	15.637	23.2	8.5	11.711	3.422	12.68	13.7	17.5	22.92
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	22	90.	181.636	800.	17.	48839.004	220.995	19.3	42.75	252.5	662.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	28	164.	188.036	363.	79.	6327.073	79.543	104.5	128.25	241.5	331.3
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	19	10.2	10.068	11.4	7.2	0.85	0.922	8.5	10.	10.5	11.1
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	19	8.1	8.058	8.55	7.6	0.062	0.249	7.8	7.8	8.19	8.49
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	19	8.1	7.994	8.55	7.6	0.067	0.258	7.8	7.8	8.19	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	19	0.008	0.01	0.025	0.003	0.	0.006	0.003	0.006	0.016	0.016
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	27	5450.	7760.111	41000.	3.	77554864.333	8806.524	23.6	3000.	9250.	20600.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	27	3.736	3.398	4.613	0.477	1.097	1.048	1.361	3.477	3.966	4.313
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2501.873								

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

Annual Analysis for 1995 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	31	12.	12.845	28.2	8.2	10.967	3.312	11.14	11.6	12.9	14.54
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	27	105.	158.6	550.	1.2	21800.058	147.648	12.2	68.	200.	414.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	33	150.	204.091	355.	113.	8596.648	92.718	118.4	127.5	324.	346.4
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	31	9.6	10.174	14.	8.2	2.664	1.632	8.82	9.1	11.7	12.98
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	33	8.	7.979	8.22	7.62	0.015	0.122	7.9	7.9	8.1	8.136
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	33	8.	7.962	8.22	7.62	0.015	0.123	7.9	7.9	8.1	8.136
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	33	0.01	0.011	0.024	0.006	0.	0.003	0.007	0.008	0.013	0.013
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	33	5200.	6367.576	18000.	2.	28644446.752	5352.051	42.2	1975.	9925.	15200.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	33	3.716	3.391	4.255	0.301	0.918	0.958	1.625	3.296	3.996	4.181
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2457.968								

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

Annual Analysis for 1996 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	4	14.05	12.9	18.3	5.2	33.167	5.759	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	4	1.9	3.15	7.8	1.	10.03	3.167	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	4	355.5	351.75	363.	333.	172.917	13.15	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	4	11.25	13.15	21.5	8.6	32.923	5.738	**	**	**	**
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	4	8.05	7.915	8.49	7.07	0.372	0.61	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	4	8.031	7.573	8.49	7.07	0.528	0.727	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	4	0.009	0.027	0.085	0.003	0.002	0.039	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	4	62.	632.75	2400.	7.	1389389.583	1178.724	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	4	1.73	1.921	3.38	0.845	1.158	1.076	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			83.424								

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	55	18.2	19.018	28.2	8.2	30.48	5.521	11.48	15.1	24.	26.58
00065	STAGE, STREAM (FEET)	04/12/85-05/08/95	18	-3.88	-3.186	0.75	-8.35	9.976	3.158	0.018	0.173	-6.02	-7.675
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	40	1.75	86.393	800.	0.4	36018.886	189.786	0.5	0.7	67.	269.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	55	323.	288.564	368.	79.	7223.213	84.989	119.2	261.	344.	355.8
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	35	9.8	10.054	13.3	7.2	2.051	1.432	8.4	9.2	10.6	12.2
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	38	8.195	8.139	8.45	7.6	0.036	0.189	7.85	8.035	8.243	8.351
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	38	8.195	8.093	8.45	7.6	0.038	0.195	7.85	8.035	8.242	8.351
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	38	0.006	0.008	0.025	0.004	0.	0.004	0.004	0.006	0.009	0.014
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-09/17/96	35	0.07	0.055	0.14	0.	0.001	0.032	0.025	0.025	0.08	0.086
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-09/17/96	35	0.34	0.362	0.88	0.06	0.059	0.243	0.082	0.13	0.52	0.726
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	53	64.	3002.811	41000.	0.	53667766.964	7325.829	8.6	23.	2060.	11380.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	53	1.806	2.174	4.613	0.	1.421	1.192	0.924	1.361	3.31	4.051
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			149.169								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	53	12.6	12.609	17.5	5.2	4.119	2.029	10.08	11.6	13.8	15.3
00065	STAGE, STREAM (FEET)	04/12/85-05/08/95	41	-6.3	-5.313	8.5	-8.35	10.421	3.228	6.06	-4.625	-7.24	-7.892
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	48	66.5	102.075	550.	0.4	16909.416	130.036	0.5	3.375	127.5	382.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	53	182.	214.377	363.	113.	7461.086	86.378	120.4	136.5	316.	339.2
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	55	10.	10.573	21.5	8.2	4.12	2.03	9.	9.2	11.4	12.8
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	51	8.	8.031	8.55	7.07	0.065	0.256	7.8	7.9	8.1	8.45
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	51	8.	7.943	8.55	7.07	0.073	0.271	7.8	7.9	8.1	8.45
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	51	0.01	0.011	0.085	0.003	0.	0.011	0.004	0.008	0.013	0.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-09/17/96	51 ##	0.025	0.039	0.231	0.	0.002	0.041	0.025	0.025	0.025	0.088
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-09/17/96	50	0.33	0.338	0.69	0.2	0.01	0.098	0.22	0.258	0.39	0.488
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	54	4450.	4981.426	18000.	1.	24540560.551	4953.843	13.	63.5	7887.5	13025.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	54	3.648	3.031	4.255	0.	1.417	1.19	1.113	1.803	3.897	4.114
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1072.796								

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/85-12/10/96	22	23.	22.95	28.5	15.	9.713	3.117	18.96	21.375	25.275	27.
00065	STAGE, STREAM (FEET)	04/12/85-05/08/95	6	0.43	-1.082	0.64	-8.33	12.642	3.556	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-12/10/96	14	0.7	1.093	3.5	0.4	0.678	0.823	0.45	0.575	1.35	2.65
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/85-12/10/96	21	334.	334.952	373.	296.	416.448	20.407	305.8	320.5	355.	362.6
00300	OXYGEN, DISSOLVED MG/L	04/24/85-12/10/96	14	9.4	9.3	10.5	8.1	0.509	0.714	8.3	8.6	9.825	10.4
00400	PH (STANDARD UNITS)	06/16/87-12/10/96	17	8.27	8.244	8.49	7.83	0.025	0.158	8.014	8.145	8.35	8.458
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/10/96	17	8.27	8.214	8.49	7.83	0.026	0.161	8.014	8.145	8.35	8.458
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/10/96	17	0.005	0.006	0.015	0.003	0.	0.003	0.003	0.004	0.007	0.01
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-09/17/96	11	0.025	0.037	0.072	0.	0.001	0.024	0.004	0.025	0.07	0.072
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-09/17/96	11	0.13	0.155	0.29	0.09	0.005	0.069	0.09	0.09	0.21	0.276
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	22	81.	126.227	418.	6.	15300.851	123.697	16.2	42.5	205.5	391.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/85-12/10/96	22	1.908	1.896	2.621	0.778	0.218	0.467	1.18	1.628	2.313	2.591
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			78.651								

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

Station Inventory for Station: BUFF0063

NPS Station ID: BUFF0063 LAT/LON: 35.990281/ -92.676393 Agency: 21ARUNFA Date Created: 10/06/79
Location: BRUSH CREEK- APPR 1.5 MI UPST FR BUFFALO R CONF; FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF67
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005004 RF1 Mile Point: 26.640 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005002600.00 RF3 Mile Point: 0.38 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BRUSH CREEK- APPR 1.5 MILES UPSTREAM FROM BUFFALO RIVER CONF; 53.2 RM

Parameter Inventory for Station: BUFF0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	2680.	2680.	2680.	2680.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	302.	302.	302.	302.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	111.	111.	111.	111.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	11.4	11.4	11.4	11.4	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	152.	152.	152.	152.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	8200.	8200.	8200.	8200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0064

NPS Station ID: BUFF0064 LAT/LON: 35.999448/ -92.697781 Agency: 1116APCC Date Created: 02/03/90
Location: BRUSH CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS022 /BUFT13 /4J00034
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 171 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 2.10 On/Off RF1:
RF3 Index: 11010005002600.00 RF3 Mile Point: 0.03 Distance from RF3: 0.04 On/Off RF3:
Description:
POINT LOCATION: AT THE MOUTH OF THE CREEK -- ACCESS VIA ABANDONED ROAD LEADING UPRIVER TO OLD RAILROAD BED FROM THE PLUM FIELD RIVER ACCESS OR DURING HIGH WATER VIA UNPAVED (4X4) ROAD 9.5 MILES NORTH OF MARSHALL

Parameter Inventory for Station: BUFF0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-05/06/96	58	15.95	16.424	24.	3.	22.959	4.792	9.98	13.3	20.05	22.54
00060	FLOW, STREAM, MEAN DAILY CFS	11/01/90-10/30/95	23	5.	29.49	306.	0.06	6299.734	79.371	0.58	1.	10.	161.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/27/93-05/06/96	8	7.	37.888	252.	0.2	7549.593	86.888	**	**	**	**
00065	STAGE, STREAM (FEET)	04/10/85-05/16/94	21	-2.5	-1.536	1.88	-5.2	3.957	1.989	0.696	1.47	-2.615	-3.368
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-05/06/96	39	0.5	2.518	54.5	0.2	77.515	8.804	0.3	0.3	0.7	6.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-05/06/96	57	330.	311.965	396.	187.	2337.284	48.345	228.8	288.	347.	363.
00300	OXYGEN, DISSOLVED MG/L	04/22/85-05/06/96	51	9.8	10.325	17.8	6.5	4.712	2.171	7.6	9.1	11.7	12.8
00400	PH (STANDARD UNITS)	06/23/87-05/06/96	51	8.2	8.208	8.72	7.48	0.07	0.266	7.904	8.04	8.41	8.55
00400	CONVERTED PH (STANDARD UNITS)	06/23/87-05/06/96	51	8.2	8.12	8.72	7.48	0.078	0.28	7.904	8.04	8.41	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/87-05/06/96	51	0.006	0.008	0.033	0.002	0.	0.006	0.003	0.004	0.009	0.012
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/10/93-12/13/93	4	166.	155.	189.	99.	1522.	39.013	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/09/89-05/06/96	25 ##	0.025	0.048	0.125	0.025	0.001	0.03	0.025	0.025	0.071	0.095
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/09/89-08/09/89	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/09/89-05/06/96	25	0.54	0.478	1.22	0.005	0.066	0.258	0.028	0.32	0.615	0.68
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/89-11/02/92	7 ##	0.015	0.015	0.03	0.001	0.	0.008	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/93-03/21/94	5	166.	161.8	193.	99.	1418.7	37.666	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	07/20/92-07/20/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/06/92-05/06/96	24	5.	4.708	6.	2.	1.085	1.042	3.	4.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/06/92-05/06/96	23	9.	8.87	13.	4.	6.119	2.474	5.4	7.	11.	12.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	57	9.	134.088	3940.	0.	330978.296	575.307	0.	2.	19.	171.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	57	0.954	1.004	3.595	0.	0.692	0.832	0.	0.301	1.278	2.234
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.083								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/06/92-05/06/96	22 ##	0.015	0.024	0.115	0.	0.001	0.026	0.003	0.015	0.015	0.065
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/10/94-10/30/95	11	0.5	2.555	20.1	0.2	34.449	5.869	0.2	0.4	1.5	16.64

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

EPA Water Quality Criteria Analysis for Station: BUFF0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	39	1	0.03	22	0	0.00	11	0	0.00	6	1	0.17			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	51	0	0.00	26	0	0.00	16	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	51	0	0.00	26	0	0.00	15	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	51	0	0.00	26	0	0.00	15	0	0.00	10	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	25	0	0.00	13	0	0.00	8	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	24	0	0.00	12	0	0.00	8	0	0.00	4	0	0.00			
		Drinking Water	250.	24	0	0.00	12	0	0.00	8	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	23	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	57	3	0.05	26	0	0.00	16	2	0.13	15	1	0.07			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-05/06/96	27	16.3	16.819	24.	6.5	26.872	5.184	9.9	12.	21.9	23.64
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-05/06/96	22	0.4	0.718	6.4	0.2	1.653	1.286	0.23	0.3	0.7	0.91
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-05/06/96	26	331.5	315.692	396.	216.	2367.022	48.652	227.	290.75	350.	365.6
00300	OXYGEN, DISSOLVED MG/L	04/22/85-05/06/96	26	9.6	10.092	15.7	6.5	4.566	2.137	7.45	8.975	11.375	13.1
00400	PH (STANDARD UNITS)	06/23/87-05/06/96	26	8.165	8.154	8.64	7.51	0.062	0.248	7.885	7.988	8.3	8.501
00400	CONVERTED PH (STANDARD UNITS)	06/23/87-05/06/96	26	8.165	8.083	8.64	7.51	0.067	0.259	7.885	7.988	8.3	8.501
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/87-05/06/96	26	0.007	0.008	0.031	0.002	0.	0.006	0.003	0.005	0.01	0.013
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	26	4.	22.038	170.	0.	2353.558	48.513	0.	2.	11.	142.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	26	0.602	0.733	2.23	0.	0.424	0.651	0.	0.301	1.037	2.153
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.413								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-05/06/96	15	14.2	12.98	17.2	3.	15.979	3.997	4.74	11.5	15.7	16.78
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-05/06/96	11	0.7	2.236	9.2	0.3	11.903	3.45	0.3	0.3	2.5	9.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-05/06/96	16	309.5	297.563	350.	224.	1610.796	40.135	229.6	261.25	329.75	339.5
00300	OXYGEN, DISSOLVED MG/L	04/22/85-05/06/96	16	10.5	11.338	17.8	7.	5.632	2.373	8.61	10.225	12.575	15.
00400	PH (STANDARD UNITS)	06/23/87-05/06/96	15	8.41	8.369	8.72	7.48	0.088	0.296	7.876	8.21	8.55	8.672
00400	CONVERTED PH (STANDARD UNITS)	06/23/87-05/06/96	15	8.41	8.227	8.72	7.48	0.109	0.33	7.876	8.21	8.55	8.672
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/87-05/06/96	15	0.004	0.006	0.033	0.002	0.	0.008	0.002	0.003	0.006	0.018
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	16	14.	177.438	1935.	0.	229655.596	479.224	0.7	8.25	152.25	836.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	16	1.146	1.33	3.287	0.	0.833	0.913	0.	0.916	2.157	2.78
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.4								

** - 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: 5/10 to 7/14 - Station BUFF0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-05/06/96	16	19.7	18.988	22.9	15.	6.603	2.57	15.21	16.075	21.025	22.27
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-05/06/96	6	0.75	9.633	54.5	0.3	483.183	21.981	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-05/06/96	15	335.	320.867	385.	187.	3048.695	55.215	205.	298.	353.	376.6
00300	OXYGEN, DISSOLVED MG/L	04/22/85-05/06/96	9	9.4	9.2	10.8	7.3	0.97	0.985	7.3	8.65	9.8	10.8
00400	PH (STANDARD UNITS)	06/23/87-05/06/96	10	8.14	8.106	8.27	7.8	0.021	0.145	7.818	7.995	8.218	8.267
00400	CONVERTED PH (STANDARD UNITS)	06/23/87-05/06/96	10	8.14	8.082	8.27	7.8	0.022	0.147	7.818	7.995	8.218	8.267
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/87-05/06/96	10	0.007	0.008	0.016	0.005	0.	0.003	0.005	0.006	0.01	0.015
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	15	12.	282.067	3940.	0.	1024724.781	1012.287	0.	3.	36.	1628.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-05/06/96	15	1.079	1.123	3.595	0.	0.844	0.919	0.	0.477	1.556	2.605
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.28								

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

Station Inventory for Station: BUFF0065

NPS Station ID: BUFF0065 LAT/LON: 35.996670/ -92.700005 Agency: 1116APCC Date Created: 02/03/90
Location: BEAR CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS021 /BUFT12 /4J00033
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 171 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.20 On/Off RF1:
RF3 Index: 11010005000505.60 RF3 Mile Point: 10.91 Distance from RF3: 0.01 On/Off RF3:
Description:
POINT LOCATION: AT THE MOUTH OF THE CREEK -- ACCESS VIA OLD RAILROAD BED 1.1 MILES EAST OF GILBERT OR DURING HIGH WATER VIA UNPAVED ROAD 7.2 MILES NORTH OF MARSHALL

Parameter Inventory for Station: BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	107	16.2	17.341	29.7	2.4	46.381	6.81	8.5	13.	23.9	26.56
00060	FLOW, STREAM, MEAN DAILY CFS	11/01/90-10/30/95	22	37.	101.636	1170.	5.	59372.814	243.665	7.6	13.75	84.25	176.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/08/93-10/21/96	44	320.	675.705	6500.	-1.	1630898.446	1277.066	14.5	56.25	687.5	1450.
00065	STAGE, STREAM (FEET)	04/10/85-12/18/95	48	3.09	1.943	9.	-3.	6.412	2.532	1.141	1.625	4.45	-2.297
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	84	2.7	40.745	350.	0.5	6254.274	79.084	0.7	1.125	38.75	187.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	106	223.5	214.226	422.	58.	4478.424	66.921	120.7	162.5	257.75	290.3
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	86	10.2	10.351	17.8	6.5	3.719	1.929	8.17	9.075	11.425	13.2
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	92	8.105	8.104	8.99	7.3	0.139	0.373	7.593	7.825	8.33	8.571
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	92	8.105	7.956	8.99	7.3	0.161	0.402	7.593	7.825	8.33	8.571
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	92	0.008	0.011	0.05	0.001	0.	0.01	0.003	0.005	0.015	0.026
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/10/93-10/19/93	4	123.	113.5	143.	65.	1284.333	35.838	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/94-12/18/95	36	44.5	127.764	662.	0.5	27163.05	164.812	0.85	6.25	222.	402.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	66 ##	0.025	0.042	0.269	0.01	0.001	0.037	0.025	0.025	0.061	0.072
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-11/05/94	26	0.91	1.006	2.6	0.05	0.579	0.761	0.1	0.298	1.66	2.243
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	66	0.32	0.38	0.91	0.01	0.077	0.277	0.04	0.115	0.643	0.829
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	46	0.108	0.249	1.03	0.001	0.082	0.286	0.015	0.053	0.348	0.725
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/03/94-12/18/95	24	8.	6.7	11.4	1.1	12.809	3.579	1.2	2.45	9.575	10.45
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/93-09/19/94	6	120.	116.5	148.	65.	898.3	29.972	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/06/92-10/21/96	61	4.	4.213	10.	2.	2.07	1.439	3.	3.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/06/92-10/21/96	60	9.	9.017	17.	5.	5.169	2.274	6.	7.	11.	11.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/04/85-07/15/87	4	110.	106.75	135.	72.	942.25	30.696	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	08/04/85-07/15/87	4	2.034	2.014	2.13	1.857	0.017	0.131	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			103.267								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	107	30.	3645.953	43000.	0.	69315157.894	8325.573	1.8	14.	1900.	15320.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	107	1.477	1.972	4.633	0.	1.839	1.356	0.241	1.146	3.279	4.185
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			93.816								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/94-12/18/95	36	120.	128.083	220.	72.	1407.564	37.518	91.7	98.25	145.75	186.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/06/92-10/21/96	59	0.039	0.063	0.272	0.01	0.004	0.065	0.015	0.015	0.09	0.172
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/10/94-12/18/95	46	36.5	66.317	350.	0.6	7838.001	88.532	1.37	3.	79.5	211.8
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/29/94-12/18/95	34	2.07	2.443	6.57	1.18	2.281	1.51	1.22	1.57	2.133	5.61

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

EPA Water Quality Criteria Analysis for Station: BUFF0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	84	17	0.20	53	12	0.23	20	5	0.25	11	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	86	0	0.00	50	0	0.00	24	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	92	0	0.00	52	0	0.00	26	0	0.00	14	0	0.00			
		Other-Lo Lim.	6.5	92	0	0.00	52	0	0.00	26	0	0.00	14	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	66	0	0.00	40	0	0.00	20	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	61	0	0.00	37	0	0.00	20	0	0.00	4	0	0.00			
		Drinking Water	250.	61	0	0.00	37	0	0.00	20	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	60	0	0.00	36	0	0.00	20	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	4	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	107	35	0.33	64	22	0.34	24	12	0.50	19	1	0.05			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	46	18	0.39	29	12	0.41	14	6	0.43	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

Annual Analysis for 1985 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	10	24.45	23.43	27.	16.2	13.945	3.734	16.38	20.925	26.25	27.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	10	244.5	242.2	270.	206.	374.178	19.344	207.6	228.75	256.	269.5
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	9	22.	24.222	48.	4.	225.444	15.015	4.	11.	37.	48.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	9	1.342	1.283	1.681	0.602	0.123	0.351	0.602	1.025	1.56	1.681
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.171								

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

Annual Analysis for 1987 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	4	25.5	25.625	29.5	22.	9.563	3.092	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	4	242.5	238.	255.	212.	339.333	18.421	**	**	**	**
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	4	8.48	8.5	8.89	8.15	0.127	0.356	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	4	8.422	8.4	8.89	8.15	0.141	0.375	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	4	0.004	0.004	0.007	0.001	0.	0.003	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	3	22.	24.667	42.	10.	261.333	16.166	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	3	1.342	1.322	1.623	1.	0.097	0.312	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.984								

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

Annual Analysis for 1988 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	5	26.1	25.74	29.	21.	9.588	3.096	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	5	0.5	0.7	1.1	0.5	0.08	0.283	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	4	252.	258.5	305.	225.	1189.667	34.492	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	3	8.1	7.767	8.1	7.1	0.333	0.577	**	**	**	**
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	5	7.53	7.674	8.1	7.45	0.079	0.281	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	5	7.53	7.613	8.1	7.45	0.084	0.289	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	5	0.03	0.024	0.035	0.008	0.	0.012	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	5	16.	17.2	20.	14.	7.2	2.683	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	5	1.204	1.231	1.301	1.146	0.005	0.068	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.033								

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

Annual Analysis for 1989 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	8	22.8	22.838	29.7	16.1	14.737	3.839	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	8	1.5	1.688	3.7	0.9	0.776	0.881	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	8	260.	251.25	285.	186.	1017.643	31.901	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	8	9.45	9.45	10.1	8.3	0.369	0.607	**	**	**	**
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	6	8.295	8.312	8.54	8.05	0.029	0.169	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	6	8.294	8.284	8.54	8.05	0.029	0.172	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	6	0.005	0.005	0.009	0.003	0.	0.002	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	8	16.5	16.875	36.	4.	86.125	9.28	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	8	1.216	1.162	1.556	0.602	0.076	0.276	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.505								

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

Annual Analysis for 1990 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	9	17.2	19.278	28.3	12.5	39.614	6.294	12.5	13.3	25.55	28.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	9	1.3	1.433	2.8	0.6	0.57	0.755	0.6	0.85	2.	2.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	8	252.5	255.25	284.	220.	417.643	20.436	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	9	9.9	9.956	12.3	7.3	2.73	1.652	7.3	8.7	11.5	12.3
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	9	8.19	8.212	8.71	7.5	0.105	0.325	7.5	8.14	8.39	8.71
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	9	8.19	8.081	8.71	7.5	0.125	0.353	7.5	8.14	8.39	8.71
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	9	0.006	0.008	0.032	0.002	0.	0.009	0.002	0.004	0.007	0.032
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	9	16.	60.778	405.	0.	16784.944	129.557	0.	10.	32.	405.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	9	1.204	1.262	2.607	0.	0.475	0.689	0.	0.962	1.502	2.607
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.283								

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

Annual Analysis for 1991 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	12	13.7	14.625	26.5	2.4	50.478	7.105	3.78	9.85	19.625	26.14
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	11	1.3	4.127	25.	0.6	50.298	7.092	0.6	0.7	4.1	20.92
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	12	211.	228.833	422.	139.	5160.515	71.837	150.4	180.75	254.25	375.2
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	12	10.25	10.275	13.6	6.5	4.369	2.09	6.86	9.025	12.225	13.36
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	12	8.245	8.317	8.99	7.82	0.138	0.371	7.826	8.1	8.525	8.972
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	12	8.24	8.194	8.99	7.82	0.154	0.392	7.826	8.1	8.525	8.972
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	12	0.006	0.006	0.015	0.001	0.	0.005	0.001	0.003	0.008	0.015
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	11	28.	207.818	2000.	0.	354304.364	595.235	0.	2.	46.	1622.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	11	1.447	1.272	3.301	0.	0.948	0.974	0.	0.301	1.663	3.049
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.703								

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

Annual Analysis for 1992 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	6	18.1	17.9	25.2	10.1	31.708	5.631	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	6	1.35	1.4	2.6	0.6	0.476	0.69	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	6	245.	245.667	295.	205.	1463.067	38.25	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	6	9.85	9.85	12.4	6.9	4.011	2.003	**	**	**	**
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	5	8.22	8.302	8.58	8.01	0.058	0.241	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	5	8.22	8.251	8.58	8.01	0.061	0.247	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	5	0.006	0.006	0.01	0.003	0.	0.003	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	6	27.5	28.833	53.	10.	334.167	18.28	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	6	1.412	1.372	1.724	1.	0.1	0.315	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			23.556								

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

Annual Analysis for 1993 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	8	16.	15.25	27.5	8.8	37.977	6.163	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	6	2.15	7.867	38.	1.	218.639	14.786	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	6	211.	203.833	290.	121.	4072.567	63.817	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	7	11.	10.543	13.2	8.	2.943	1.715	**	**	**	**
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	7	8.14	8.249	8.8	7.75	0.113	0.337	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	7	8.14	8.147	8.8	7.75	0.125	0.354	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	7	0.007	0.007	0.018	0.002	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	6	16.5	209.333	1190.	0.	230971.867	480.595	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	6	1.167	1.153	3.076	0.	1.314	1.146	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.208								

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

Annual Analysis for 1994 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	22	15.6	15.782	25.6	4.8	13.487	3.673	14.03	14.675	16.3	21.18
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	19	85.	122.389	350.	1.8	14240.575	119.334	2.2	10.	216.	310.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	23	158.	169.13	339.	58.	6256.664	79.099	78.	112.	196.	323.
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	16	9.4	9.863	14.8	8.4	2.545	1.595	8.61	8.8	10.2	12.7
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	19	7.8	7.924	8.74	7.3	0.136	0.368	7.6	7.65	8.35	8.45
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	19	7.8	7.802	8.74	7.3	0.151	0.389	7.6	7.65	8.35	8.45
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	19	0.016	0.016	0.05	0.002	0.	0.011	0.004	0.004	0.022	0.025
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	25	5200.	9416.6	43000.	0.	127454089.083	11289.557	0.	16.	17400.	24580.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	25	3.716	2.836	4.633	0.	2.842	1.686	0.	1.19	4.239	4.388
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			685.378								

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

Annual Analysis for 1995 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	19	9.1	11.416	29.1	5.3	34.397	5.865	8.	8.4	13.4	24.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	15	39.	63.713	210.	2.2	3891.553	62.382	3.1	27.	84.	195.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	21	146.	187.524	315.	112.	5466.962	73.939	112.4	124.5	256.5	311.8
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	20	11.35	11.52	14.2	8.3	2.491	1.578	9.46	10.325	13.025	13.6
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	21	8.04	7.926	8.22	7.43	0.051	0.226	7.558	7.78	8.09	8.162
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	21	8.04	7.863	8.22	7.43	0.055	0.235	7.558	7.78	8.09	8.162
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	21	0.009	0.014	0.037	0.006	0.	0.009	0.007	0.008	0.017	0.028
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	21	1900.	7134.19	40000.	11.	120979427.662	10999.065	20.8	204.	9000.	29840.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	21	3.279	3.079	4.602	1.041	1.234	1.111	1.317	2.303	3.954	4.462
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1198.176								

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

Annual Analysis for 1996 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	4	18.	16.2	26.2	2.6	99.073	9.954	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	4	1.4	1.9	3.9	0.9	1.84	1.356	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	4	235.5	244.25	291.	215.	1318.25	36.308	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	4	10.6	12.075	17.8	9.3	15.049	3.879	**	**	**	**
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	4	8.44	8.345	8.85	7.65	0.26	0.51	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	4	8.426	8.107	8.85	7.65	0.336	0.58	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	4	0.004	0.008	0.022	0.001	0.	0.01	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	4	26.	27.25	56.	1.	828.917	28.791	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	4	1.142	1.008	1.748	0.	0.727	0.853	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.183								

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	65	16.2	16.942	29.5	2.4	49.732	7.052	8.46	9.5	23.65	26.44
00065	STAGE, STREAM (FEET)	04/10/85-12/18/95	27	3.3	2.307	9.	-3.	7.73	2.78	1.166	2.45	4.3	-2.612
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	53	2.2	47.032	350.	0.5	7699.564	87.747	0.6	1.	43.	206.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	65	248.	223.831	422.	58.	5474.643	73.991	117.6	161.	267.5	311.4
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	50	10.25	10.352	14.2	6.9	3.124	1.768	8.11	9.175	11.525	13.13
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	52	8.105	8.083	8.89	7.3	0.107	0.327	7.562	7.93	8.243	8.471
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	52	8.105	7.955	8.89	7.3	0.124	0.352	7.562	7.93	8.243	8.471
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	52	0.008	0.011	0.05	0.001	0.	0.01	0.003	0.006	0.012	0.027
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	40 ##	0.025	0.044	0.124	0.01	0.001	0.027	0.025	0.025	0.07	0.074
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	40	0.59	0.478	0.91	0.01	0.09	0.299	0.052	0.19	0.678	0.887
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	30	0.1	0.277	1.03	0.014	0.104	0.322	0.015	0.058	0.535	0.859
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	64	29.	4196.297	43000.	0.	92386423.768	9611.786	0.5	14.	1880.	18100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	64	1.462	1.983	4.633	0.	1.966	1.402	0.	1.146	3.274	4.257
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			96.138								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	22	14.2	13.295	19.7	2.6	16.216	4.027	5.46	12.25	15.275	17.52
00065	STAGE, STREAM (FEET)	04/10/85-12/18/95	15	3.2	1.948	4.9	-2.65	5.098	2.258	1.744	2.17	4.9	-2.26
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	20	7.5	43.66	270.	1.	5333.144	73.028	1.31	2.575	67.5	183.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	23	168.	173.	233.	109.	1812.636	42.575	112.	127.	215.	227.
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	24	10.25	10.971	17.8	8.7	4.955	2.226	8.75	9.4	12.25	14.2
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	26	7.9	8.165	8.99	7.59	0.225	0.474	7.6	7.8	8.558	8.874
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	26	7.9	7.966	8.99	7.59	0.266	0.516	7.6	7.8	8.557	8.874
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	26	0.013	0.011	0.026	0.001	0.	0.009	0.001	0.003	0.016	0.025
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	20 ##	0.025	0.039	0.269	0.025	0.003	0.055	0.025	0.025	0.025	0.052
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	20	0.26	0.254	0.64	0.01	0.021	0.146	0.031	0.19	0.33	0.394
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	13	0.188	0.236	0.71	0.03	0.041	0.201	0.039	0.084	0.303	0.643
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	24	173.	4991.417	22300.	0.	53176302.949	7292.208	1.	8.75	9100.	18300.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	24	2.105	2.319	4.348	0.	2.601	1.613	0.	0.938	3.957	4.258
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			208.659								

** - 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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	20	23.95	23.09	29.7	15.	19.028	4.362	16.	20.5	26.275	29.09
00065	STAGE, STREAM (FEET)	04/10/85-12/18/95	6	0.95	0.288	1.44	-2.27	1.798	1.341	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	11	1.5	5.155	38.	0.8	119.931	10.951	0.82	1.1	2.8	31.32
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	18	241.5	232.222	305.	121.	1709.595	41.347	175.	215.5	256.75	273.5
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	12	9.2	9.108	11.	6.5	1.941	1.393	6.74	8.1	10.225	10.94
00400	PH (STANDARD UNITS)	06/17/87-10/21/96	14	8.16	8.071	8.54	7.5	0.112	0.335	7.515	7.803	8.35	8.465
00400	CONVERTED PH (STANDARD UNITS)	06/17/87-10/21/96	14	8.16	7.946	8.54	7.5	0.129	0.359	7.515	7.802	8.35	8.465
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/87-10/21/96	14	0.007	0.011	0.032	0.003	0.	0.009	0.003	0.004	0.016	0.031
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	6	0.041	0.043	0.069	0.02	0.	0.022	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	6	0.11	0.15	0.32	0.04	0.011	0.107	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	3	0.02	0.017	0.03	0.001	0.	0.015	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	19	26.	92.632	1190.	6.	71141.468	266.724	10.	20.	44.	110.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	19	1.415	1.498	3.076	0.778	0.224	0.473	1.	1.301	1.643	2.041
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.477								

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

Station Inventory for Station: BUFF0066

NPS Station ID: BUFF0066 LAT/LON: 35.990281/ -92.704726 Agency: 21ARUNFA Date Created: 10/06/79
Location: BEAR CR- APPR 1 MI UPST FR BUFFALO R, NR GILBERT FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF66
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005026 RF1 Mile Point: 0.410 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005078400.00 RF3 Mile Point: 0.15 Distance from RF3: 0.06 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BEAR CREEK- APPR 1 MILE UPSTREAM FROM BUFFALO RIVER, 1 MI ESE OF GILBERT

Parameter Inventory for Station: BUFF0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/03/73-07/03/73	1	704.	704.	704.	704.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/03/73-07/03/73	1	173.	173.	173.	173.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	87.	87.	87.	87.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/03/73-07/03/73	1	194.	194.	194.	194.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	15.6	15.6	15.6	15.6	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/03/73-07/03/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/03/73-07/03/73	1	8700.	8700.	8700.	8700.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0067

NPS Station ID: BUFF0067
LAT/LON: 35.922087/ -92.705698
Agency: 21ARAMBT
Date Created: 09/24/88
Location: BEAR CREEK BELOW MARSHALL ARK
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): WHI0064 /4J0009 /USGS07056520
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SW LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005026
RF1 Mile Point: 8.870
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005000504.30
RF3 Mile Point: 4.58
Distance from RF3: 0.03
On/Off RF3:
Description:
LOCATED ON BEAR CREEK BELOW MARSHALL ON THE DOWNSTREAM SIDE OF THE HIGHWAY 74 BRIDGE IN SEARCY COUNTY, ARKANSAS, IN SEC 29, R 16 W, T 15 N.

Parameter Inventory for Station: BUFF0067

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: BUFF0068

NPS Station ID: BUFF0068
LAT/LON: 35.922226/ -92.705559
Agency: 112WRD
Date Created: 08/24/85
Location: BEAR CREEK WEST OF MARSHALL, AR
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07056520
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005026
RF1 Mile Point: 8.870
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005002608.74
RF3 Mile Point: 8.89
Distance from RF3: 0.17
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/13/83-06/10/86	24	14.	13.25	24.	2.	35.935	5.995	4.5	8.	17.	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/13/83-09/24/85	16	18.	16.	37.	-3.	118.4	10.881	3.1	3.75	22.5	32.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/13/83-06/10/86	22	3.5	7.423	60.	1.	163.248	12.777	2.	2.	6.525	20.5
00300	OXYGEN, DISSOLVED MG/L	12/13/83-06/10/86	21	10.8	10.329	14.8	5.9	4.472	2.115	6.8	9.25	11.65	13.22
00310	BOD, 5 DAY, 20 DEG C MG/L	12/13/83-06/10/86	22	0.75	0.932	5.1	0.2	1.039	1.02	0.2	0.375	1.125	1.58
00335	COD, .025N K2CR2O7 MG/L	05/07/85-05/07/85	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/13/83-06/10/86	22	7.635	7.689	8.45	7.3	0.06	0.245	7.4	7.568	7.8	8.01
00400	CONVERTED PH (STANDARD UNITS)	12/13/83-06/10/86	22	7.635	7.635	8.45	7.3	0.063	0.251	7.4	7.567	7.8	8.01
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/13/83-06/10/86	22	0.023	0.023	0.05	0.004	0.	0.011	0.01	0.016	0.027	0.04
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/83-06/10/86	23	4.	7.478	48.	0.5	124.693	11.167	0.7	2.	7.	25.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/13/83-06/10/86	20	0.01	0.024	0.08	0.005	0.001	0.024	0.005	0.005	0.048	0.06
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/83-05/13/86	19	0.41	0.429	0.76	0.22	0.021	0.146	0.25	0.33	0.53	0.64
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/83-06/10/86	20	0.05	0.062	0.17	0.03	0.001	0.035	0.031	0.04	0.085	0.109
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/84-06/10/86	16	97.	98.375	230.	4.	2199.05	46.894	41.8	77.	115.	167.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/13/83-06/10/86	22	5.	4.636	6.	3.	1.29	1.136	3.	3.75	6.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/13/83-05/13/86	19	11.	10.579	16.	4.	8.702	2.95	7.	9.	13.	15.
01027	CADMIUM, TOTAL (UG/L AS CD)	12/13/83-06/10/86	21	0.5	0.533	1.	0.	0.113	0.337	0.	0.5	0.85	1.
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/13/83-06/10/86	23 ##	0.5	0.891	4.	0.5	0.726	0.852	0.5	0.5	1.	2.
01042	COPPER, TOTAL (UG/L AS CU)	12/13/83-06/10/86	22	13.5	16.045	43.	5.	107.569	10.372	7.5	7.5	22.5	33.2
01051	LEAD, TOTAL (UG/L AS PB)	12/13/83-06/10/86	22	5.	14.636	85.	0.5	549.457	23.44	0.65	1.	15.	65.9
01092	ZINC, TOTAL (UG/L AS ZN)	12/13/83-06/10/86	18	19.5	18.889	40.	5.	172.693	13.141	5.	5.75	32.5	40.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/13/83-06/10/86	23	24.	254.522	2600.	2.	358796.806	598.996	2.	4.	180.	1032.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/13/83-06/10/86	23	1.38	1.457	3.415	0.301	0.919	0.959	0.301	0.602	2.255	2.96
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.615								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/13/83-06/10/86	23	106.	114.783	180.	73.	976.451	31.248	76.4	97.	131.	170.8
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/13/83-06/10/86	21	0.04	0.037	0.09	0.005	0.	0.02	0.006	0.025	0.05	0.06
71900	MERCURY, TOTAL (UG/L AS HG)	01/14/86-01/14/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	22	1	0.05	5	0	0.00	13	1	0.08	4	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	5	0	0.00	13	0	0.00	3	0	0.00			
00400	PH	Other-Hi Lim.	9.	22	0	0.00	4	0	0.00	14	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	22	0	0.00	4	0	0.00	14	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	5	0	0.00	11	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	5	0	0.00	13	0	0.00	4	0	0.00			
		Drinking Water	250.	22	0	0.00	5	0	0.00	13	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	19	0	0.00	4	0	0.00	13	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	21	0	0.00	5	0	0.00	13	0	0.00	3	0	0.00			
		Drinking Water	5.	21	0	0.00	5	0	0.00	13	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	23	0	0.00	5	0	0.00	14	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	22	8	0.36	5	1	0.20	13	4	0.31	4	3	0.75			
		Drinking Water	1300.	22	0	0.00	5	0	0.00	13	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	22	1	0.05	5	0	0.00	13	1	0.08	4	0	0.00			
		Drinking Water	15.	22	6	0.27	5	0	0.00	13	6	0.46	4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	18	0	0.00	4	0	0.00	10	0	0.00	4	0	0.00			
		Drinking Water	5000.	18	0	0.00	4	0	0.00	10	0	0.00	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	23	5	0.22	6	1	0.17	13	2	0.15	4	2	0.50			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	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									
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	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: BUFF0069

NPS Station ID: BUFF0069
LAT/LON: 35.922087/ -92.705698
Agency: 1116APCC
Date Created: 10/01/83
Location: BEAR CREEK BELOW MARSHALL ARK
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): 050202 /WHI64 /USGS07056520/4J00009
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SW LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005026
RF1 Mile Point: 8.870
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005003405.09
RF3 Mile Point: 6.26
Distance from RF3: 0.40
On/Off RF3:
Description:
LOCATED ON BEAR CREEK BELOW MARSHALL ON THE DOWNSTREAM SIDE OF THE HIGHWAY 74 BRIDGE IN SEARCY COUNTY, ARKANSAS, IN SEC 29, R 16 W, T 15 N.

Parameter Inventory for Station: BUFF0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/13/83-06/10/86	24	14.	13.25	24.	2.	35.935	5.995	4.5	8.	17.	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/13/83-06/10/86	24	18.	16.667	37.	-3.	111.014	10.536	2.5	0.75	22.5	31.5
00065	STAGE, STREAM (FEET)	12/13/83-06/10/86	22	21.6	21.541	27.2	18.	2.765	1.663	19.2	21.075	21.975	22.44
00300	OXYGEN, DISSOLVED MG/L	12/13/83-06/10/86	21	10.8	10.329	14.8	5.9	4.472	2.115	6.8	9.25	11.65	13.22
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	12/13/83-06/10/86	19	101.	99.737	153.	67.	300.649	17.339	75.	92.	104.	114.
00310	BOD, 5 DAY, 20 DEG C MG/L	12/13/83-06/10/86	22	0.75	0.932	5.1	0.2	1.039	1.02	0.2	0.375	1.125	1.58
00335	COD, .025N K2CR2O7 MG/L	05/07/85-05/07/85	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/13/83-06/10/86	22	7.635	7.691	8.45	7.29	0.058	0.24	7.426	7.563	7.798	8.002
00400	CONVERTED PH (STANDARD UNITS)	12/13/83-06/10/86	22	7.635	7.639	8.45	7.29	0.061	0.246	7.426	7.563	7.797	8.002
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/13/83-06/10/86	22	0.023	0.023	0.051	0.004	0.	0.01	0.01	0.016	0.027	0.038
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/83-06/10/86	23	4.	7.478	48.	0.5	124.693	11.167	0.7	2.	7.	25.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/13/83-06/10/86	20	0.01	0.024	0.08	0.005	0.001	0.024	0.005	0.005	0.048	0.06
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/83-05/13/86	19	0.41	0.429	0.76	0.22	0.021	0.146	0.25	0.33	0.53	0.64
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/83-06/10/86	20	0.05	0.062	0.17	0.03	0.001	0.035	0.031	0.04	0.085	0.109
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/13/83-06/10/86	23	88.	91.826	232.	4.	1819.605	42.657	56.8	62.	104.	135.2
00940	CHLORIDE,TOTAL IN WATER MG/L	12/13/83-06/10/86	22	5.	4.636	6.	3.	1.29	1.136	3.	3.75	6.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/13/83-05/13/86	19	11.	10.579	16.	4.	8.702	2.95	7.	9.	13.	15.
01027	CADMIUM, TOTAL (UG/L AS CD)	12/13/83-06/10/86	21 ##	0.25	0.371	0.8	0.25	0.035	0.188	0.25	0.25	0.5	0.7
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/13/83-06/10/86	23 ##	0.5	0.891	4.	0.5	0.726	0.852	0.5	0.5	1.	2.
01042	COPPER, TOTAL (UG/L AS CU)	12/13/83-06/10/86	22	13.5	16.045	43.	5.	107.569	10.372	7.5	7.5	22.5	33.2
01051	LEAD, TOTAL (UG/L AS PB)	12/13/83-06/10/86	22	5.	14.636	85.	0.5	549.457	23.44	0.65	1.	15.	65.9
01092	ZINC, TOTAL (UG/L AS ZN)	12/13/83-06/10/86	18	15.5	17.194	39.	1.5	167.21	12.931	2.85	5.25	32.5	36.3
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/13/83-06/10/86	23	24.	254.522	2600.	2.	358796.806	598.996	2.	4.	180.	1032.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/13/83-06/10/86	23	1.38	1.457	3.415	0.301	0.919	0.959	0.301	0.602	2.255	2.96
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.615								
39161	LASSO- (ALCHLOR) -UG/L	09/24/85-09/24/85	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	09/24/85-09/24/85	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/13/83-06/10/86	23	106.	114.783	180.	73.	976.451	31.248	76.4	97.	131.	170.8
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/13/83-06/10/86	21	0.04	0.037	0.09	0.005	0.	0.02	0.006	0.025	0.05	0.06

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

Parameter Inventory for Station: BUFF0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900	MERCURY, TOTAL (UG/L AS HG)	06/04/85-01/14/86	2 ##	0.2	0.2	0.25	0.15	0.005	0.071	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/13/83-06/10/86	22	3.5	7.377	58.	1.	155.143	12.456	2.	2.	6.525	21.2

** - 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: BUFF0069

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	5	0	0.00	13	0	0.00	3	0	0.00			
00400	PH	Other-Hi Lim.	9.	22	0	0.00	4	0	0.00	14	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	22	0	0.00	4	0	0.00	14	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	5	0	0.00	11	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	5	0	0.00	13	0	0.00	4	0	0.00			
		Drinking Water	250.	22	0	0.00	5	0	0.00	13	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	19	0	0.00	4	0	0.00	13	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	21	0	0.00	5	0	0.00	13	0	0.00	3	0	0.00			
		Drinking Water	5.	21	0	0.00	5	0	0.00	13	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	23	0	0.00	5	0	0.00	14	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	22	8	0.36	5	1	0.20	13	4	0.31	4	3	0.75			
		Drinking Water	1300.	22	0	0.00	5	0	0.00	13	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	22	1	0.05	5	0	0.00	13	1	0.08	4	0	0.00			
		Drinking Water	15.	22	6	0.27	5	0	0.00	13	6	0.46	4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	18	0	0.00	4	0	0.00	10	0	0.00	4	0	0.00			
		Drinking Water	5000.	18	0	0.00	4	0	0.00	10	0	0.00	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	23	5	0.22	6	1	0.17	13	2	0.15	4	2	0.50			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	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									
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	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.	22	1	0.05	5	0	0.00	13	1	0.08	4	0	0.00			

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

Station Inventory for Station: BUFF0070

NPS Station ID: BUFF0070
LAT/LON: 35.940560/ -92.712782
Agency: 112WRD
Date Created: / /
Location: BEAR CREEK NEAR MARSHALL
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07056510
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010005000504.30
RF3 Mile Point: 4.58
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/31/87-10/05/88	3	16.5	16.667	18.5	15.	3.083	1.756	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/17/64-11/17/64	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/31/87-10/05/88	3	7.	6.667	7.	6.	0.333	0.577	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/17/64-11/17/64	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/17/64-10/05/88	4	353.	310.25	370.	165.	9443.583	97.178	**	**	**	**
00400	PH (STANDARD UNITS)	11/17/64-11/17/64	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/17/64-11/17/64	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/17/64-11/17/64	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	11/17/64-11/17/64	1	208.	208.	208.	208.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	11/17/64-11/17/64	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/17/64-11/17/64	1	179.	179.	179.	179.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/17/64-11/17/64	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/17/64-11/17/64	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/17/64-11/17/64	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/17/64-11/17/64	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	11/17/64-11/17/64	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/17/64-11/17/64	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/17/64-11/17/64	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/17/64-11/17/64	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/17/64-11/17/64	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/17/64-11/17/64	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/17/64-11/17/64	1	189.	189.	189.	189.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/17/64-11/17/64	1	1.99	1.99	1.99	1.99	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/17/64-11/17/64	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/17/64-11/17/64	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	11/17/64-11/17/64	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: BUFF0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: BUFF0071

NPS Station ID: BUFF0071
LAT/LON: 35.940560/ -92.713892
Agency: 21ARAPCC
Date Created: 07/16/94
Location: BEAR CREEK AT HWY 65 4 MI. W. OF MARSHALL
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05UWS076 /UWBRK01 /4J00001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SC LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:
UNASSESSED WATERS SURVEY

Parameter Inventory for Station: BUFF0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/30/94-10/01/96	6	15.75	14.767	19.2	7.4	21.171	4.601	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/30/94-10/01/96	6	9.7	9.8	13.3	6.4	8.524	2.92	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/30/94-01/09/95	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/30/94-10/01/96	6	7.625	7.75	8.75	7.26	0.316	0.562	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/30/94-10/01/96	6	7.578	7.547	8.75	7.26	0.366	0.605	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/30/94-10/01/96	6	0.026	0.028	0.055	0.002	0.	0.022	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/30/94-10/01/96	7	1.	1.071	2.	0.5	0.452	0.673	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/30/94-10/01/96	7 ##	0.025	0.03	0.058	0.025	0.	0.012	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/30/94-10/01/96	7	0.51	0.527	1.03	0.24	0.07	0.264	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/30/94-10/01/96	7	0.033	0.033	0.055	0.015	0.	0.019	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/30/94-10/01/96	7	1.6	1.486	2.2	0.5	0.288	0.537	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/30/94-10/01/96	7	113.	116.143	161.	91.	524.476	22.901	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/09/95-10/01/96	6	41.55	42.683	60.8	33.3	92.79	9.633	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/09/95-10/01/96	6	2.1	2.083	2.3	1.9	0.018	0.133	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/09/95-10/01/96	6	2.7	2.953	4.7	2.	0.981	0.99	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/09/95-10/01/96	6	0.95	0.85	1.	0.6	0.039	0.197	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/30/94-10/01/96	7	4.	4.286	5.	4.	0.238	0.488	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/30/94-10/01/96	7	10.	9.	11.	5.	4.667	2.16	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	04/03/95-10/01/96	5	23.	23.8	29.	21.	9.7	3.114	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	04/03/95-10/01/96	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/24/95-10/01/96	4	9.	9.	14.	4.	16.667	4.082	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/30/94-10/01/96	7 ##	0.25	0.185	0.25	0.02	0.012	0.111	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/30/94-10/01/96	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	04/03/95-10/01/96	5 ##	1.5	2.	4.	1.5	1.25	1.118	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/30/94-10/01/96	7 ##	1.	1.429	3.	1.	0.619	0.787	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/09/95-10/01/96	6	5.5	11.5	46.	1.	297.1	17.237	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/30/94-10/01/96	7 ##	1.	0.771	1.	0.2	0.152	0.39	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/09/95-10/01/96	6	6.8	6.25	9.8	2.4	12.367	3.517	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	04/03/95-10/01/96	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	04/03/95-10/01/96	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/30/94-10/01/96	7 ##	2.	4.571	14.	1.	25.619	5.062	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/09/95-10/01/96	6 ##	8.	73.667	269.	8.	11987.467	109.487	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/30/94-10/01/96	6	69.	120.833	300.	20.	14132.967	118.882	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/30/94-10/01/96	6	1.838	1.878	2.477	1.301	0.229	0.479	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			75.469								
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/24/95-07/24/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34351	ENDOSULFAN SULFATE TOTWUG/L	07/24/95-07/24/95	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/24/95-07/24/95	1 ##	0.042	0.042	0.042	0.042	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/24/95-07/24/95	1 ##	0.104	0.104	0.104	0.104	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	07/24/95-07/24/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	07/24/95-07/24/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
38559	TERBUTHYLAZINE WATER, TOTUG/L	07/24/95-07/24/95	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
38578	PROPAZINE, TOTAL, WATER UG/L	07/24/95-07/24/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
38815	HEXAZINONE WATER, TOTUG/L	07/24/95-07/24/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	07/24/95-07/24/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
38887	TERBUTRYN WATER, TOTUG/L	07/24/95-07/24/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	07/24/95-07/24/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39056	PROMETONE IN WHOLE WATER (UG/L)	07/24/95-07/24/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	07/24/95-07/24/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/24/95-07/24/95	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/24/95-07/24/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/24/95-07/24/95	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	07/24/95-07/24/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.031	0.031	0.031	0.031	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49295	INVALID PARAMETER	07/24/95-07/24/95	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
49296	INVALID PARAMETER	07/24/95-07/24/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49308	INVALID PARAMETER	07/24/95-07/24/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
49309	INVALID PARAMETER	07/24/95-07/24/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
49310	INVALID PARAMETER	07/24/95-07/24/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
49312	INVALID PARAMETER	07/24/95-07/24/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
49313	INVALID PARAMETER	07/24/95-07/24/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49314	INVALID PARAMETER	07/24/95-07/24/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/30/94-10/01/96	7	134.	139.714	189.	114.	627.905	25.058	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/30/94-10/01/96	7 ##	0.015	0.024	0.059	0.015	0.	0.016	**	**	**	**
77729	RAMROD WHOLE WATER,UG/L	07/24/95-07/24/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/24/95-07/24/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
79194	FLUCHLORALIN, WATER, WHOLE UG/L	07/24/95-07/24/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	07/24/95-07/24/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81403	DURSBAN(CHLOROPYRIFOS)WHOLE WATER SAMPLE (UG/L)	07/24/95-07/24/95	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	07/24/95-07/24/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	07/24/95-07/24/95	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/30/94-10/01/96	6	2.15	2.85	5.8	1.6	2.523	1.588	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	07/24/95-07/24/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82185	ATRATON (GESTAMIN) TOTAL UG/L	07/24/95-07/24/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82187	CYPRAZINE TOTAL UG/L	07/24/95-07/24/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82199	ORDRAM (HYDRAM) IN WATER UG/L	07/24/95-07/24/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	07/24/95-07/24/95	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
82614	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	07/24/95-07/24/95	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: BUFF0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	250.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	4.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	2	0.33	3	1	0.33	1	0	0.00	2	1	0.50			
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									
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00	1	0	0.00									
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00	1	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									
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									
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00	1	0	0.00									
81403	DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMP	Fresh Acute	0.083	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			

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

Station Inventory for Station: BUFF0072

NPS Station ID: BUFF0072
LAT/LON: 35.988892/ -92.713892
Agency: 1116APCC
Date Created: 02/03/90
Location: GILBERT SPRING
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 05NPS033 /BUFS41 /4J00021
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 177
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 39G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 3.60
On/Off RF1:
RF3 Index: 11010005006600.00
RF3 Mile Point: 0.05
Distance from RF3: 0.01
On/Off RF3:
Description:
POINT LOCATION: SOUTHEAST SIDE OF GILBERT -- 300 FEET EAST OF GILBERT STORE SOUTH OF THE OLD RAILROAD BED

Parameter Inventory for Station: BUFF0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/87-11/04/96	64	15.05	14.77	19.	9.7	5.197	2.28	11.15	13.1	16.85	17.35
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/08/90-09/25/90	2	21.5	21.5	22.	21.	0.5	0.707	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/19/91-11/27/95	22	3.	6.205	67.	0.3	195.357	13.977	0.4	0.95	4.25	13.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/04/96	13	4.	3.838	8.	0.1	5.009	2.238	0.38	2.	5.5	7.2
00065	STAGE, STREAM (FEET)	01/06/92-04/29/94	7	-1.98	-0.496	4.74	-2.2	7.607	2.758	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-11/04/96	61	1.1	5.398	27.	0.4	65.771	8.11	0.52	0.7	4.05	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/87-11/04/96	63	377.	375.413	466.	206.	2457.698	49.575	301.6	356.	408.	434.6
00300	OXYGEN, DISSOLVED MG/L	09/04/88-11/04/96	58	8.8	8.966	15.	7.3	1.274	1.129	7.8	8.4	9.4	10.23
00400	PH (STANDARD UNITS)	06/16/87-11/04/96	75	7.66	7.729	8.52	6.69	0.094	0.307	7.448	7.55	7.81	8.2
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-11/04/96	75	7.66	7.62	8.52	6.69	0.107	0.326	7.448	7.55	7.81	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-11/04/96	75	0.022	0.024	0.204	0.003	0.001	0.024	0.006	0.015	0.028	0.036
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-12/06/93	3	197.	198.333	215.	183.	257.333	16.042	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/94-04/29/94	15	7.	11.533	27.	2.	84.981	9.219	2.	4.	20.	26.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/08/90-11/04/96	56 ##	0.025	0.049	0.35	0.	0.004	0.063	0.025	0.025	0.05	0.099
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/08/90-04/29/94	20	0.9	0.724	1.25	0.05	0.141	0.376	0.1	0.393	0.96	1.145
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/08/90-11/04/96	56	0.73	0.741	1.16	0.45	0.03	0.172	0.46	0.643	0.87	0.969
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/08/90-04/29/94	27	0.05	0.049	0.103	0.001	0.001	0.026	0.015	0.04	0.063	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-06/13/94	6	198.5	197.667	215.	183.	142.267	11.928	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/08/90-11/04/96	55	4.	4.436	8.	3.	1.362	1.167	3.	4.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/08/90-11/04/96	57	6.	6.702	12.	3.	4.892	2.212	4.	5.	8.	10.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/19/91-05/19/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/19/91-05/19/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/19/91-05/19/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/19/91-05/19/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/19/91-05/19/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	72	26.	1670.194	17700.	0.	16840335.004	4103.698	1.3	6.	360.5	7430.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	72	1.415	1.647	4.248	0.	1.596	1.263	0.09	0.778	2.547	3.868
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			44.355								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/94-04/29/94	15	150.	167.2	223.	144.	812.457	28.504	144.6	146.	189.	219.4
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/08/90-11/04/96	58 ##	0.015	0.022	0.05	0.	0.	0.011	0.015	0.015	0.03	0.04
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	26	9.2	11.412	27.	0.4	108.314	10.407	0.7	1.45	22.5	25.6

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

Parameter Inventory for Station: BUFF0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/29/94-04/29/94	14	1.66	1.716	1.9	1.54	0.012	0.107	1.6	1.66	1.813	1.9

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

EPA Water Quality Criteria Analysis for Station: BUFF0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	61	0	0.00	28	0	0.00	23	0	0.00	10	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	58	0	0.00	33	0	0.00	15	0	0.00	10	0	0.00			
00400	PH	Other-Hi Lim.	9.	75	0	0.00	33	0	0.00	29	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	75	0	0.00	33	0	0.00	29	0	0.00	13	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	56	0	0.00	23	0	0.00	24	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	55	0	0.00	23	0	0.00	25	0	0.00	7	0	0.00			
		Drinking Water	250.	55	0	0.00	23	0	0.00	25	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	57	0	0.00	23	0	0.00	25	0	0.00	9	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	72	19	0.26	34	6	0.18	26	12	0.46	12	1	0.08			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	26	0	0.00	6	0	0.00	18	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: 7/15 to 1/09 - Station BUFF0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/87-11/04/96	34	15.65	15.459	19.	12.	4.255	2.063	12.25	13.875	17.025	18.25
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-11/04/96	28	1.	1.475	6.5	0.4	1.698	1.303	0.58	0.7	2.	3.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/87-11/04/96	35	391.	385.143	466.	206.	2746.832	52.41	313.2	371.	414.	436.8
00300	OXYGEN, DISSOLVED MG/L	09/04/88-11/04/96	33	8.9	8.936	10.7	7.5	0.546	0.739	7.88	8.45	9.45	10.
00400	PH (STANDARD UNITS)	06/16/87-11/04/96	33	7.59	7.612	8.52	7.08	0.048	0.218	7.402	7.525	7.705	7.788
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-11/04/96	33	7.59	7.567	8.52	7.08	0.05	0.223	7.402	7.525	7.705	7.788
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-11/04/96	33	0.026	0.027	0.083	0.003	0.	0.013	0.016	0.02	0.03	0.04
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/08/90-11/04/96	22 ##	0.025	0.043	0.11	0.025	0.001	0.025	0.025	0.025	0.07	0.074
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/08/90-11/04/96	23	0.8	0.784	1.04	0.58	0.012	0.111	0.634	0.7	0.87	0.912
00940	CHLORIDE,TOTAL IN WATER MG/L	05/08/90-11/04/96	23	4.	4.652	7.	3.	0.874	0.935	4.	4.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/08/90-11/04/96	23	7.	6.739	12.	3.	5.292	2.301	3.4	5.	8.	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	34	15.5	272.088	5900.	0.	1032405.174	1016.073	0.5	4.	71.5	604.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	34	1.188	1.297	3.771	0.	0.927	0.963	0.	0.602	1.851	2.779
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.803								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/08/90-11/04/96	23 ##	0.015	0.024	0.05	0.015	0.	0.013	0.015	0.015	0.03	0.049

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/87-11/04/96	15	12.	12.207	15.5	9.7	2.825	1.681	10.24	11.	14.	14.78
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-11/04/96	23	15.	12.026	27.	0.5	102.947	10.146	0.62	1.3	22.	24.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/87-11/04/96	14	349.5	340.714	417.	270.	1944.989	44.102	273.5	300.5	372.25	401.
00300	OXYGEN, DISSOLVED MG/L	09/04/88-11/04/96	15	9.2	9.58	15.	7.9	2.833	1.683	8.2	8.6	9.8	12.48
00400	PH (STANDARD UNITS)	06/16/87-11/04/96	29	7.9	7.889	8.3	6.69	0.138	0.372	7.49	7.66	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-11/04/96	29	7.9	7.676	8.3	6.69	0.186	0.431	7.49	7.66	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-11/04/96	29	0.013	0.021	0.204	0.005	0.001	0.036	0.005	0.006	0.022	0.032
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/08/90-11/04/96	25 ##	0.025	0.043	0.35	0.	0.005	0.067	0.025	0.025	0.025	0.099
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/08/90-11/04/96	24	0.675	0.669	1.04	0.45	0.04	0.2	0.45	0.46	0.848	1.015
00940	CHLORIDE,TOTAL IN WATER MG/L	05/08/90-11/04/96	25	4.	4.16	8.	3.	1.723	1.313	3.	3.	5.	6.4
00945	SULFATE, TOTAL (MG/L AS SO4)	05/08/90-11/04/96	25	6.	6.56	12.	5.	4.757	2.181	5.	5.	8.	10.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	26	65.	4242.538	17700.	0.	35670240.018	5972.457	1.7	12.25	8112.5	15625.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	26	1.801	2.337	4.248	0.	2.294	1.514	0.211	1.071	3.909	4.193
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			217.343								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/08/90-11/04/96	26 ##	0.015	0.02	0.043	0.	0.	0.01	0.015	0.015	0.025	0.038

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/87-11/04/96	15	15.8	15.773	17.	13.8	1.259	1.122	14.04	15.	17.	17.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-11/04/96	10	0.8	1.14	4.5	0.4	1.44	1.2	0.41	0.65	1.025	4.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/87-11/04/96	14	387.	385.786	430.	311.	924.951	30.413	331.5	370.75	409.25	421.5
00300	OXYGEN, DISSOLVED MG/L	09/04/88-11/04/96	10	8.25	8.14	9.1	7.3	0.334	0.578	7.31	7.475	8.5	9.04
00400	PH (STANDARD UNITS)	06/16/87-11/04/96	13	7.61	7.672	8.1	7.48	0.029	0.169	7.496	7.565	7.78	8.004
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-11/04/96	13	7.61	7.646	8.1	7.48	0.029	0.171	7.496	7.565	7.78	8.004
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-11/04/96	13	0.025	0.023	0.033	0.008	0.	0.007	0.01	0.017	0.027	0.032
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/08/90-11/04/96	9 ##	0.025	0.079	0.26	0.	0.011	0.104	0.	0.025	0.163	0.26
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/08/90-11/04/96	9	0.75	0.822	1.16	0.69	0.027	0.165	0.69	0.69	0.94	1.16
00940	CHLORIDE,TOTAL IN WATER MG/L	05/08/90-11/04/96	7	4.	4.714	7.	4.	1.571	1.254	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/08/90-11/04/96	9	7.	7.	10.	4.	5.25	2.291	4.	5.	9.5	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	12	9.	58.083	400.	2.	13723.356	117.147	2.	4.5	48.5	329.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/14/87-11/04/96	12	0.952	1.144	2.602	0.301	0.526	0.725	0.301	0.646	1.665	2.487

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Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0072

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 =			13.925								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/08/90-11/04/96	9	0.03	0.023	0.031	0.015	0.	0.008	0.015	0.015	0.03	0.031

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

Station Inventory for Station: BUFF0073

NPS Station ID: BUFF0073
LAT/LON: 35.988892/ -92.713892
Agency: 11TRAIN
Date Created: 03/08/97
Location: spring SP-20
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 355920092425001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0073

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: BUFF0074

NPS Station ID: BUFF0074
LAT/LON: 35.988892/ -92.713892
Agency: 112WRD
Date Created: 11/20/93
Location: SPRING SP-20
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 355920092425001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin: U
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/93-07/23/93	1	17.4	17.4	17.4	17.4	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/23/93-07/23/93	1	527.	527.	527.	527.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/93-07/23/93	1	422.	422.	422.	422.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/23/93-07/23/93	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/23/93-07/23/93	1	7.58	7.58	7.58	7.58	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/23/93-07/23/93	1	7.58	7.58	7.58	7.58	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/93-07/23/93	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/93-07/23/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/93-07/23/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/93-07/23/93	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	07/23/93-07/23/93	1	221.	221.	221.	221.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/23/93-07/23/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/23/93-07/23/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/23/93-07/23/93	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/23/93-07/23/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/23/93-07/23/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/93-07/23/93	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/93-07/23/93	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/93-07/23/93	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/23/93-07/23/93	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/93-07/23/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/93-07/23/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/23/93-07/23/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/23/93-07/23/93	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/23/93-07/23/93	2	42.	42.	42.	42.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/23/93-07/23/93	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/23/93-07/23/93	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/23/93-07/23/93	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/93-07/23/93	2	2.	2.	2.	2.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/23/93-07/23/93	2	3.	3.	3.	3.	0.	0.	**	**	**	**

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Parameter Inventory for Station: BUFF0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075	SILVER, DISSOLVED (UG/L AS AG)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/23/93-07/23/93	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/23/93-07/23/93	2	3.	3.	3.	3.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/93-07/23/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	07/23/93-07/23/93	1	25.	25.	25.	25.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/23/93-07/23/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/23/93-07/23/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
34253	A-BHC-ALPHA DISSUG/L	07/23/93-07/23/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/23/93-07/23/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	07/23/93-07/23/93	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/23/93-07/23/93	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49235	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49291	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	07/23/93-07/23/93	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: BUFF0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49311	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/93-07/23/93	1	244.	244.	244.	244.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	07/23/93-07/23/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
75985	TRITIUM,1 SIGMA PRC EST, TOTAL, WATER PC/L	07/23/93-07/23/93	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/23/93-07/23/93	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/23/93-07/23/93	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/93-07/23/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	2	0	0.00	2	0	0.00									
		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

EPA Water Quality Criteria Analysis for Station: BUFF0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	2	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	2	0	0.00	2	0	0.00									
		Drinking Water	6.	2	0	0.00	2	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00	1	0	0.00									
07000	TRITIUM, TOTAL	Drinking Water	20000.	1	0	0.00	1	0	0.00									
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	2	0	0.00	2	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: BUFF0075

NPS Station ID: BUFF0075
LAT/LON: 35.940004/ -92.715005
Agency: 21ARAPCC
Date Created: 08/12/77
Location: BEAR CREEK BELOW MARSHALL STP
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 060317 /4J151
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SC LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005026
RF1 Mile Point: 6.890
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005002806.23
RF3 Mile Point: 6.23
Distance from RF3: 0.00
On/Off RF3:
Description:
A BASIN SURVEY STATION INITIATED IN THE SUMMERS OF 1970-1971 AS PART OF A STUDY OF THE WATER QUALITY AND SOURCES OF POLLUTION IN THE ARKANSAS PORTION OF THE WHITE RIVER BASIN THIS STATION IS LOCATED ON BEAR CREEK AT HIGHWAY 65 ABOVE MARSHALL AND DOWNSTREAM FROM MARSHALL STP THIS STATION WAS ORIGINALLY DESIGNATED AS129U SECTION 17 TOWNSHIP 15 NORTH RANGE 16 WEST IN SEARCY COUNTY AR

Parameter Inventory for Station: BUFF0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/71-07/22/71	4	20.	20.875	25.	18.5	8.729	2.955	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/19/71-07/22/71	4	27.5	27.5	34.	21.	28.333	5.323	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/19/71-07/22/71	4 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/19/71-07/22/71	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-07/22/71	4	279.5	283.75	316.	260.	584.25	24.171	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/71-07/22/71	4	7.5	7.6	8.4	7.	0.347	0.589	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/19/71-07/22/71	4	1.45	1.325	1.6	0.8	0.143	0.377	**	**	**	**
00400	PH (STANDARD UNITS)	07/19/71-07/22/71	4	6.85	6.9	7.3	6.6	0.087	0.294	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/19/71-07/22/71	4	6.847	6.834	7.3	6.6	0.092	0.304	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/71-07/22/71	4	0.142	0.146	0.251	0.05	0.007	0.083	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/71-07/22/71	4	168.5	163.25	171.	145.	150.917	12.285	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/19/71-07/22/71	4	261.5	269.	298.	255.	391.333	19.782	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/19/71-07/22/71	4	255.5	261.75	288.	248.	320.25	17.896	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/19/71-07/22/71	4	7.5	7.25	10.	4.	6.25	2.5	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/22/71	4	0.25	0.263	0.33	0.22	0.002	0.048	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/19/71-07/22/71	4	0.1	0.103	0.12	0.09	0.	0.013	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/22/71	4	174.	173.	177.	167.	18.667	4.32	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/22/71	4	158.	158.5	160.	158.	1.	1.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/71-07/22/71	4	63.2	63.4	64.	63.2	0.16	0.4	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/71-07/22/71	4	3.6	3.5	4.6	2.2	0.973	0.987	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/71-07/22/71	4	4.	4.75	8.	3.	4.917	2.217	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/19/71-07/22/71	4	7.	6.75	7.	6.	0.25	0.5	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	4	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	4	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	4	0	0.00									

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

Station Inventory for Station: BUFF0076

NPS Station ID: BUFF0076
LAT/LON: 35.986115/ -92.716670
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER AT GILBERT, ARKANSAS
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF33
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005005
RF1 Mile Point: 0.970
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005000504.30
RF3 Mile Point: 4.85
Distance from RF3: 0.06
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER AT GILBERT, ARKANSAS

Parameter Inventory for Station: BUFF0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-12/10/75	10	26.85	26.86	49.	9.7	174.765	13.22	9.76	14.575	38.625	48.
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-12/10/75	14	1041.	1959.643	11121.	393.	7435647.632	2726.838	501.5	803.	1828.75	7108.
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-12/10/75	14	227.5	243.286	363.	163.	3341.143	57.803	168.	199.	288.	338.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-12/10/75	10	1.95	1.95	3.5	0.7	0.805	0.897	0.72	1.2	2.725	3.43
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-12/10/75	9	0.007	0.011	0.03	0.003	0.	0.009	0.003	0.005	0.015	0.03
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-12/10/75	9	0.04	0.037	0.07	0.009	0.001	0.027	0.009	0.01	0.06	0.07
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-12/10/75	10	1.445	1.533	2.23	1.17	0.117	0.343	1.177	1.248	1.808	2.19
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-12/10/75	14	6.5	7.507	23.	0.1	38.308	6.189	1.05	2.	11.25	18.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-12/10/75	10	0.875	0.877	1.13	0.64	0.022	0.148	0.645	0.773	0.988	1.121
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-12/10/75	9	0.005	0.025	0.06	0.	0.001	0.028	0.	0.001	0.06	0.06
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-12/10/75	14	104.	102.	198.	35.	1169.692	34.201	58.5	86.5	111.25	156.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-12/10/75	10	0.5	0.66	1.	0.2	0.094	0.306	0.22	0.475	1.	1.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	3	0.2	0.267	0.4	0.2	0.013	0.115	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	12	0.7	0.687	1.4	0.1	0.18	0.424	0.1	0.335	0.975	1.37
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	14	10.	10.3	15.	6.	5.26	2.293	6.5	9.15	12.	14.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-12/10/75	9	2.	1.333	2.	0.5	0.625	0.791	0.5	0.5	2.	2.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	3	0.5	0.6	0.9	0.4	0.07	0.265	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-12/10/75	9	2.	2.111	4.	0.5	1.799	1.341	0.5	0.75	3.5	4.
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	3	0.7	0.567	0.7	0.3	0.053	0.231	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-12/10/75	14	5.15	5.879	8.	4.	1.483	1.218	4.5	5.	7.	7.5
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-12/10/75	10	2.75	3.7	12.	1.	12.622	3.553	1.	1.	5.25	11.4
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	2	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-12/10/75	14	3.	2.964	5.	1.	2.095	1.447	1.	1.875	4.25	5.
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-12/10/75	9	161.	383.333	1650.	5.	268630.25	518.296	5.	68.5	512.5	1650.
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-12/10/75	10	6.5	9.85	30.	0.5	98.892	9.944	0.55	3.25	15.25	29.5
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-12/10/75	10	2.75	3.43	10.	0.3	6.605	2.57	0.52	2.5	3.5	9.5
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	3	3.	2.3	3.	0.9	1.47	1.212	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-12/10/75	14	6.	7.107	14.	0.3	14.282	3.779	2.65	5.	8.875	13.5
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-12/10/75	14	250.	244.857	600.	71.	16225.824	127.381	107.5	151.25	294.25	466.5
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-12/10/75	9	8.	31.4	215.	1.5	4762.678	69.012	1.5	5.25	14.8	215.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-12/10/75	10	6.45	6.83	17.	0.5	22.68	4.762	0.6	2.625	9.175	16.27
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-12/10/75	9	2.	1.778	4.	0.5	2.069	1.439	0.5	0.5	3.	4.
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	3	1.	1.1	2.	0.3	0.73	0.854	**	**	**	**

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

Parameter Inventory for Station: BUFF0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	14	10.	10.471	14.	8.	3.481	1.866	8.5	9.	12.25	13.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	3	38.	38.	47.	29.	81.	9.	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	3	0.5	0.533	0.7	0.4	0.023	0.153	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-12/10/75	10	9.	38.5	147.	1.	2847.389	53.361	1.2	3.	91.	142.6
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-12/10/75	9	1.	6.144	19.	0.3	52.413	7.24	0.3	1.	13.5	19.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-12/10/75	14	34.5	61.5	340.	21.	6862.577	82.841	25.	31.5	45.	224.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-12/10/75	14	1.15	3115.121	9900.	0.8	18941867.922	4352.226	0.8	0.875	8450.	9250.
81357	CALCIUM SUSPENDED MG/L	05/21/74-12/10/75	9	0.04	0.067	0.2	0.02	0.003	0.057	0.02	0.03	0.095	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: BUFF0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	5.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	1300.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	15.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	1	0.10	5	1	0.20	2	0	0.00	3	0	0.00			
		Drinking Water	5000.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	5000.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			

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

Station Inventory for Station: BUFF0077

NPS Station ID: BUFF0077
LAT/LON: 35.984726/ -92.716670
Agency: 1116APCC
Date Created: 02/03/90
Location: BUFFALO RIVER AT GILBERT
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS006 /BUFR06 /4J00015
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 171
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 39G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 1.20
On/Off RF1:
RF3 Index: 11010005000613.27
RF3 Mile Point: 13.27
Distance from RF3: 0.00
On/Off RF3:
Description:
POINT LOCATION: UPPER END OF THE GRAVEL BAR SOUTH OF THE TOWN OF GILBERT ARKANSAS -- END OF HIGHWAY 333 3 MILES EAST OF HIGHWAY 65

Parameter Inventory for Station: BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	98	18.2	18.422	31.8	2.3	63.796	7.987	8.09	11.225	25.6	30.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	3	16.	18.	24.	14.	28.	5.292	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	03/19/91-11/27/95	23	790.	945.696	4000.	0.	946550.312	972.908	23.2	150.	1600.	2260.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-11/04/96	10	1000.	955.	1700.	75.	352333.333	593.577	87.5	406.25	1525.	1690.
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	83	2.1	2.503	9.5	0.3	3.562	1.887	0.72	1.1	3.1	4.524
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	58	1.8	3.674	18.	0.1	20.346	4.511	0.7	1.	4.275	11.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	94	216.	207.128	333.	59.	2046.091	45.234	143.5	182.5	236.	253.
00300	OXYGEN, DISSOLVED MG/L	04/24/85-11/04/96	84	9.7	10.048	17.	6.4	3.762	1.94	7.9	8.9	11.	12.8
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	76	8.12	8.119	9.6	7.	0.107	0.328	7.75	7.91	8.3	8.429
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	76	8.12	7.992	9.6	7.	0.124	0.352	7.75	7.91	8.3	8.429
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	76	0.008	0.01	0.1	0.	0.	0.012	0.004	0.005	0.012	0.018
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	82.	72.4	115.	0.	2366.3	48.645	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-11/04/96	56 ##	0.025	0.044	0.33	0.	0.003	0.055	0.	0.025	0.052	0.113
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/85-12/18/90	30	0.23	0.298	1.71	0.02	0.1	0.317	0.055	0.1	0.37	0.46
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/04/96	65	0.07	0.116	0.59	0.005	0.018	0.133	0.01	0.01	0.165	0.294
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	39	0.015	0.028	0.094	0.001	0.001	0.028	0.001	0.006	0.042	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/25/90	2	5.65	5.65	11.3	0.	63.845	7.99	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	6	99.	100.5	115.	82.	171.1	13.081	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/25/90	7	34.	27.864	42.	0.05	216.012	14.697	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	6	2.5	2.5	4.	1.	1.1	1.049	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/25/90	7	1.	1.293	2.	0.05	0.55	0.742	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/25/90	6	0.65	0.602	1.	0.01	0.106	0.325	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	49	3.	2.857	6.	2.	0.583	0.764	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	54	5.5	6.056	13.	2.	5.563	2.359	3.	5.	7.	10.5
01002	ARSENIC, TOTAL (UG/L AS AS)	01/28/87-05/03/88	6	2.	3.167	10.	1.	12.167	3.488	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/14/91-05/14/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/28/87-05/14/91	9 ##	0.5	0.567	1.	0.1	0.078	0.278	0.1	0.5	0.75	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/14/91-05/14/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/28/87-05/14/91	7 ##	1.	1.429	4.	1.	1.286	1.134	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	01/28/87-10/17/89	8 ##	0.5	1.563	8.	0.5	6.817	2.611	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/14/91-05/14/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/28/87-05/14/91	9	1.	3.111	12.	1.	13.861	3.723	1.	1.	4.5	12.
01045	IRON, TOTAL (UG/L AS FE)	01/28/87-10/17/89	8	55.	100.5	460.	6.	21965.429	148.207	**	**	**	**

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

Parameter Inventory for Station: BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	05/14/91-05/14/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/28/87-05/14/91	9 ##	1.	2.333	10.	1.	9.25	3.041	1.	1.	2.5	10.
01067	NICKEL, TOTAL (UG/L AS NI)	01/28/87-10/17/89	8	1.	2.	5.	1.	2.286	1.512	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/28/87-05/03/88	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/14/91-05/14/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/28/87-05/14/91	9	5.	7.556	19.	3.	25.528	5.053	3.	4.	10.	19.
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	01/28/87-10/17/89	8 ##	6.	15.75	60.	5.	392.214	19.804	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/22/85-03/28/88	7	20.	690.	4000.	0.	2183366.667	1477.622	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	09/22/85-03/28/88	7	1.301	1.598	3.602	0.	1.849	1.36	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			39.633								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	95	4.	175.053	13500.	0.	1920767.114	1385.917	0.	0.	16.	78.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	95	0.602	0.757	4.13	0.	0.662	0.814	0.	0.	1.204	1.892
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.72								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	53 ##	0.015	0.017	0.11	0.	0.	0.016	0.	0.015	0.015	0.03
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	12	2.65	7.167	50.	0.5	187.675	13.699	0.65	1.625	6.275	37.52

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

EPA Water Quality Criteria Analysis for Station: BUFF0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	58	0	0.00	33	0	0.00	16	0	0.00	9	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	84	0	0.00	47	0	0.00	25	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	76	1	0.01	42	1	0.02	22	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	76	0	0.00	42	0	0.00	22	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	65	0	0.00	36	0	0.00	18	0	0.00	11	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	49	0	0.00	27	0	0.00	14	0	0.00	8	0	0.00			
		Drinking Water	250.	49	0	0.00	27	0	0.00	14	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	54	0	0.00	28	0	0.00	17	0	0.00	9	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	2	0	0.00	4	0	0.00						
		Drinking Water	50.	6	0	0.00	2	0	0.00	4	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	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	5.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	2	0	0.00	4	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	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	1300.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	15.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	100.	8	0	0.00	3	0	0.00	5	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	6	0	0.00	2	0	0.00	4	0	0.00						
		Drinking Water	100.	6	0	0.00	2	0	0.00	4	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.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	5000.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	7	1	0.14	4	0	0.00	2	0	0.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	95	5	0.05	51	3	0.06	28	1	0.04	16	1	0.06			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	1	0.08	6	1	0.17	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

Annual Analysis for 1985 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	8	24.5	21.825	30.	6.	60.779	7.796	**	**	**	**
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	9	2.1	3.022	9.5	1.1	6.734	2.595	1.1	1.4	3.45	9.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	8	217.5	212.375	236.	181.	361.411	19.011	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	9	0.	2.222	10.	0.	11.444	3.383	0.	0.	4.	10.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	9	0.	0.278	1.	0.	0.14	0.374	0.	0.	0.602	1.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.898								

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

Annual Analysis for 1986 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	6	27.55	24.517	31.5	8.	79.022	8.889	**	**	**	**
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	6	1.2	1.417	2.7	0.9	0.454	0.674	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	6	224.	221.333	238.	192.	285.867	16.908	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	6	4.	4.333	8.	2.	5.467	2.338	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	6	0.602	0.581	0.903	0.301	0.06	0.245	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.813								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	8	22.	19.6	29.	7.	79.966	8.942	**	**	**	**
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	8	1.4	2.438	9.1	0.7	8.057	2.838	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	8	195.5	183.375	242.	85.	2467.696	49.676	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.05	8.102	8.62	7.79	0.103	0.321	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.05	8.025	8.62	7.79	0.11	0.332	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	5	0.009	0.009	0.016	0.002	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	8	0.	72.25	564.	0.	39504.5	198.757	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	8	0.	0.487	2.751	0.	0.998	0.999	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.07								

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

Annual Analysis for 1988 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	10	17.95	18.33	28.3	8.	65.273	8.079	8.	9.35	26.775	28.2
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	10	1.05	1.44	2.5	0.6	0.656	0.81	0.61	0.775	2.425	2.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	10	251.	242.6	333.	148.	3512.044	59.263	150.7	186.25	287.	331.4
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	7.77	7.769	8.45	7.	0.173	0.416	7.	7.525	8.055	8.45
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	9	7.77	7.587	8.45	7.	0.211	0.459	7.	7.525	8.055	8.45
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	9	0.017	0.026	0.1	0.004	0.001	0.029	0.004	0.009	0.03	0.1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	10	6.	12.2	68.	0.	409.289	20.231	0.	1.5	11.5	62.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	10	0.778	0.75	1.833	0.	0.317	0.563	0.	0.226	1.051	1.77
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.618								

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

Annual Analysis for 1989 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	11	18.6	16.555	27.1	6.7	43.705	6.611	6.74	9.	19.5	26.38
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	7	1.4	2.429	4.5	0.8	2.612	1.616	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	11	228.	222.364	265.	128.	1395.055	37.35	140.8	209.	248.	262.8
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	11	8.12	8.16	8.3	8.03	0.009	0.093	8.036	8.08	8.22	8.3
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	11	8.12	8.151	8.3	8.03	0.009	0.094	8.036	8.08	8.22	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	11	0.008	0.007	0.009	0.005	0.	0.001	0.005	0.006	0.008	0.009
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	11	2.	14.545	106.	0.	1016.873	31.888	0.	0.	8.	91.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	11	0.301	0.57	2.025	0.	0.46	0.678	0.	0.	0.903	1.927
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.712								

** - 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 box-and-whisker plot

Annual Analysis for 1990 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	13	15.1	17.415	30.2	8.4	53.871	7.34	8.84	11.4	23.85	29.88
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	11	2.7	3.127	8.	1.	5.202	2.281	1.04	1.5	2.9	7.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	11	229.	192.909	257.	59.	4259.091	65.262	68.8	142.	235.	255.
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.11	8.098	8.47	7.75	0.065	0.255	7.753	7.873	8.32	8.446
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.104	8.032	8.47	7.75	0.07	0.265	7.753	7.872	8.32	8.446
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	12	0.008	0.009	0.018	0.003	0.	0.005	0.004	0.005	0.013	0.018
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	12	2.	47.5	308.	0.	9199.364	95.913	0.	0.	67.5	263.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	12	0.301	0.718	2.489	0.	0.89	0.943	0.	0.	1.653	2.403
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.227								

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

Annual Analysis for 1991 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	14	15.	18.014	31.	8.2	60.623	7.786	8.5	10.95	25.875	30.5
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	10	2.275	2.47	6.8	0.3	4.44	2.107	0.32	0.688	3.575	6.62
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	12	216.	207.583	250.	130.	1398.811	37.401	139.6	183.75	241.5	248.2
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	11	8.17	8.189	8.37	7.94	0.019	0.138	7.968	8.08	8.33	8.37
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	11	8.17	8.169	8.37	7.94	0.019	0.14	7.968	8.08	8.33	8.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	11	0.007	0.007	0.011	0.004	0.	0.002	0.004	0.005	0.008	0.011
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	12	8.	30.25	220.	0.	3910.932	62.537	0.	2.	21.	174.1
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	12	0.889	0.902	2.342	0.	0.522	0.723	0.	0.301	1.321	2.188
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.986								

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

Annual Analysis for 1992 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	6	18.75	18.1	28.	9.	53.776	7.333	**	**	**	**
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	6	2.5	2.783	5.7	1.5	2.502	1.582	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	6	199.	197.833	225.	160.	692.967	26.324	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.18	8.186	8.39	8.	0.023	0.152	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.18	8.165	8.39	8.	0.024	0.154	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	5	0.007	0.007	0.01	0.004	0.	0.002	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	5	5.	166.8	820.	0.	133348.7	365.169	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	5	0.699	0.913	2.914	0.	1.429	1.196	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0077

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 =			8.192								

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

Annual Analysis for 1993 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	6	13.9	17.217	31.1	9.4	88.198	9.391	**	**	**	**
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	6	3.1	2.908	4.15	0.7	1.532	1.238	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	6	196.	194.5	263.	118.	2548.3	50.481	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.21	8.162	8.42	7.89	0.042	0.205	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.208	8.121	8.42	7.89	0.044	0.21	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.006	0.008	0.013	0.004	0.	0.004	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	6	20.	22.167	48.	1.	303.367	17.417	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	6	1.301	1.124	1.681	0.	0.374	0.612	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.298								

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

Annual Analysis for 1994 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	6	16.65	18.233	29.7	8.1	63.175	7.948	**	**	**	**
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	3	2.42	2.303	3.95	0.54	2.917	1.708	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	6	189.5	189.333	260.	125.	2915.467	53.995	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.37	8.303	8.57	7.81	0.077	0.278	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.369	8.218	8.57	7.81	0.086	0.294	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.004	0.006	0.015	0.003	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	6	9.	2267.5	13500.	0.	30281647.9	5502.876	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	6	0.929	1.32	4.13	0.	2.422	1.556	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.91								

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

Annual Analysis for 1995 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	6	15.7	17.183	31.7	6.6	81.238	9.013	**	**	**	**
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	3	4.07	3.337	4.54	1.4	2.868	1.694	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	6	215.	211.167	239.	174.	703.767	26.529	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	7.905	7.932	8.3	7.66	0.062	0.249	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	7.878	7.877	8.3	7.66	0.066	0.257	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.013	0.013	0.022	0.005	0.	0.007	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	6	4.5	11.333	28.	1.	159.467	12.628	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	6	0.628	0.768	1.447	0.	0.332	0.576	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.868								

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

Annual Analysis for 1996 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	4	12.2	14.625	31.8	2.3	153.309	12.382	**	**	**	**
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	4	2.975	2.753	3.9	1.16	1.718	1.311	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	4	186.5	183.5	207.	154.	733.667	27.086	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	4	8.295	8.5	9.6	7.81	0.674	0.821	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	4	8.164	8.133	9.6	7.81	0.854	0.924	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	4	0.007	0.007	0.015	0.	0.	0.007	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	4	39.	37.75	73.	0.	970.917	31.16	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	4	1.573	1.252	1.863	0.	0.726	0.852	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.88								

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	54	19.6	19.978	31.8	2.3	72.725	8.528	8.4	12.15	28.475	30.6
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	43	1.16	1.783	9.1	0.3	2.802	1.674	0.64	0.8	2.4	3.49
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	33	1.7	2.709	14.	0.6	10.178	3.19	0.74	1.	2.3	8.18
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	52	230.	223.615	333.	85.	1719.967	41.472	170.6	211.	242.75	259.1
00300	OXYGEN, DISSOLVED MG/L	04/24/85-11/04/96	47	9.6	9.84	14.8	6.5	3.191	1.786	7.72	8.8	10.8	13.02
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	42	8.16	8.146	9.6	7.	0.142	0.377	7.776	8.018	8.3	8.525
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	42	8.16	7.974	9.6	7.	0.173	0.416	7.776	8.018	8.3	8.525
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	42	0.007	0.011	0.1	0.	0.	0.015	0.003	0.005	0.01	0.017
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-11/04/96	30 ##	0.025	0.032	0.12	0.	0.001	0.026	0.	0.025	0.05	0.06
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/04/96	36	0.025	0.075	0.38	0.005	0.01	0.099	0.005	0.01	0.128	0.255
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	22	0.015	0.025	0.094	0.001	0.001	0.025	0.001	0.008	0.033	0.07
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	27	3.	3.111	6.	2.	0.641	0.801	2.	3.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	28	5.5	5.786	13.	2.	6.249	2.5	3.	4.	7.	10.1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	51	4.	290.529	13500.	0.	3567005.014	1888.652	0.	0.	10.	68.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	51	0.602	0.724	4.13	0.	0.699	0.836	0.	0.	1.	1.83
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.296								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	27 ##	0.015	0.019	0.11	0.	0.	0.02	0.	0.015	0.015	0.036

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	28	11.25	12.525	24.	6.6	22.423	4.735	6.99	8.55	15.15	19.75
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	26	3.05	3.554	9.5	1.3	3.202	1.789	1.845	2.4	4.018	6.09
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	16	2.25	4.663	18.	0.1	32.624	5.712	0.52	0.925	5.775	17.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	27	179.	175.148	265.	59.	1702.593	41.262	121.6	154.	193.	229.8
00300	OXYGEN, DISSOLVED MG/L	04/24/85-11/04/96	25	11.	11.272	17.	8.9	3.2	1.789	9.	10.2	12.15	13.4
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	22	8.215	8.12	8.52	7.66	0.071	0.266	7.75	7.863	8.318	8.464
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	22	8.215	8.042	8.52	7.66	0.077	0.278	7.75	7.862	8.318	8.464
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	22	0.006	0.009	0.022	0.003	0.	0.006	0.003	0.005	0.014	0.018
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-11/04/96	17 ##	0.025	0.07	0.33	0.	0.008	0.087	0.	0.025	0.12	0.218
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/04/96	18	0.15	0.177	0.55	0.01	0.025	0.157	0.028	0.05	0.188	0.55
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	11	0.019	0.029	0.084	0.001	0.001	0.029	0.001	0.004	0.06	0.079
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	14	3.	2.643	4.	2.	0.401	0.633	2.	2.	3.	3.5
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	17	6.	6.882	11.	4.	5.985	2.446	4.8	5.	9.	11.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	28	3.5	38.	820.	0.	23788.	154.234	0.	0.	11.5	34.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	28	0.54	0.646	2.914	0.	0.51	0.714	0.	0.	1.059	1.497
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.429								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	17 ##	0.015	0.016	0.038	0.	0.	0.009	0.	0.015	0.015	0.032

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/12/85-11/04/96	16	25.05	23.494	30.5	17.6	14.161	3.763	18.02	19.65	25.975	28.26
00065	STAGE, STREAM (FEET)	01/12/85-11/04/96	14	2.56	2.766	8.	0.8	3.257	1.805	1.	1.475	3.125	6.25
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	9	2.7	5.456	18.	0.5	33.715	5.806	0.5	1.05	9.2	18.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/12/85-11/04/96	15	212.	207.533	254.	128.	1182.124	34.382	138.2	192.	230.	249.8
00300	OXYGEN, DISSOLVED MG/L	04/24/85-11/04/96	12	8.3	8.308	10.1	6.4	1.17	1.082	6.52	7.625	9.05	9.98
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.04	8.024	8.39	7.74	0.055	0.233	7.743	7.788	8.268	8.375
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.04	7.971	8.39	7.74	0.058	0.24	7.743	7.788	8.267	8.375
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	12	0.009	0.011	0.018	0.004	0.	0.005	0.004	0.006	0.016	0.018
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/18/88-11/04/96	9 ##	0.025	0.035	0.11	0.	0.001	0.037	0.	0.013	0.054	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 box-and-whisker plot

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/85-11/04/96	11	0.14	0.15	0.59	0.01	0.024	0.155	0.02	0.06	0.17	0.506
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/85-09/29/92	6	0.021	0.036	0.08	0.001	0.001	0.035	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	8	2.	2.375	3.	2.	0.268	0.518	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	9	5.	5.333	7.	3.	1.5	1.225	3.	5.	6.5	7.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	16	21.	46.813	308.	0.	6029.229	77.648	0.	0.	67.75	166.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/12/85-11/04/96	16	1.322	1.058	2.489	0.	0.777	0.881	0.	0.	1.831	2.164
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.437								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	9 ##	0.015	0.013	0.03	0.	0.	0.009	0.	0.008	0.015	0.03

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

Station Inventory for Station: BUFF0078

NPS Station ID: BUFF0078
LAT/LON: 36.090838/ -92.738893
Agency: 112WRD
Date Created: 02/24/96
Location: 17N17W25BDD1SP
FIPS State/County: 05089 ARKANSAS/MARION
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 360527092442001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/95-06/14/95	1	13.7	13.7	13.7	13.7	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/95-06/14/95	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/95-06/14/95	1	311.	311.	311.	311.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/14/95-06/14/95	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/14/95-06/14/95	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/95-06/14/95	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/95-06/14/95	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/95-06/14/95	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/95-06/14/95	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/95-06/14/95	1	172.	172.	172.	172.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/14/95-06/14/95	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/14/95-06/14/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/14/95-06/14/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/14/95-06/14/95	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/14/95-06/14/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/14/95-06/14/95	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/14/95-06/14/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/14/95-06/14/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/14/95-06/14/95	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/95-06/14/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/95-06/14/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/14/95-06/14/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/14/95-06/14/95	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/14/95-06/14/95	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	06/14/95-06/14/95	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/14/95-06/14/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/14/95-06/14/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/14/95-06/14/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/14/95-06/14/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/14/95-06/14/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/95-06/14/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/14/95-06/14/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/95-06/14/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/14/95-06/14/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/14/95-06/14/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/14/95-06/14/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/14/95-06/14/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/14/95-06/14/95	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/14/95-06/14/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	06/14/95-06/14/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	06/14/95-06/14/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	06/14/95-06/14/95	1 ##	-0.301	-0.301	-0.301	-0.301	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			0.5								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	06/14/95-06/14/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	06/14/95-06/14/95	1	1.477	1.477	1.477	1.477	0.	0.	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			30.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/14/95-06/14/95	1	110.	110.	110.	110.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/14/95-06/14/95	1	2.041	2.041	2.041	2.041	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			110.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/14/95-06/14/95	1	174.	174.	174.	174.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00							1	0	0.00			
		Drinking Water	4.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
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: BUFF0079

NPS Station ID: BUFF0079 LAT/LON: 35.985004/ -92.740837 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R- APPR 200 FT DNST FR HWY 65 BRIDGE FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF64
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005005 RF1 Mile Point: 4.030 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000500.49 RF3 Mile Point: 2.79 Distance from RF3: 0.05 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER- APPR 200 FEET DOWNSTREAM FROM HWY 65 BRIDGE; RM 58.7

Parameter Inventory for Station: BUFF0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	02/04/73-07/03/73	2	2100.	2100.	3335.	865.	3050450.	1746.554	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	02/04/73-07/03/73	2	428.	428.	538.	318.	24200.	155.563	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/03/73-07/03/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/03/73-07/03/73	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/04/73-07/03/73	2	0.52	0.52	0.9	0.14	0.289	0.537	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/03/73-07/03/73	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/03/73-07/03/73	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/03/73-07/03/73	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	02/04/73-07/03/73	2	272.	272.	377.	167.	22050.	148.492	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/03/73-07/03/73	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	02/04/73-07/03/73	2	59.	59.	63.	55.	32.	5.657	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	02/04/73-07/03/73	2	9650.	9650.	11400.	7900.	6125000.	2474.874	**	**	**	**

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

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

Station Inventory for Station: BUFF0080

NPS Station ID: BUFF0080
LAT/LON: 35.983892/ -92.745560
Agency: 112WRD
Date Created: / /
Location: BUFFALO RIVER NEAR ST. JOE, ARK.
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07056000
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005005
RF1 Mile Point: 4.240
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005004405.96
RF3 Mile Point: 5.96
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	349	16.9	16.889	33.5	0.	62.486	7.905	7.	10.	24.	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	170	18.4	17.268	42.	-6.	99.943	9.997	4.64	6.	25.	29.
00025	BAROMETRIC PRESSURE (MM OF HG)	05/06/93-08/21/96	35	751.	751.114	758.	741.	16.928	4.114	745.6	749.	755.	757.
00060	FLOW, STREAM, MEAN DAILY CFS	07/23/45-01/23/90	74	325.	1193.311	11900.	11.	5183421.642	2276.713	32.	68.25	1061.5	3020.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	305	360.	1211.734	25500.	1.	8181180.202	2860.276	40.	85.	1020.	3134.
00065	STAGE, STREAM (FEET)	05/06/93-08/21/96	36	5.18	6.356	20.48	3.22	16.12	4.015	3.536	3.878	6.42	12.426
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/10/74-09/21/76	28	5.15	7.007	30.	1.5	42.341	6.507	2.	2.7	8.725	15.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	109	2.2	7.387	190.	0.5	438.884	20.95	1.	1.5	4.65	15.
00080p	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	112	5.	8.152	80.	0.	122.076	11.049	0.	5.	10.	18.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	219	209.	206.256	348.	113.	1852.962	43.046	150.	172.	239.	255.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	264	9.7	9.738	13.8	2.8	2.978	1.726	7.4	8.6	11.	11.9
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	106	91.	91.189	126.	67.	96.193	9.808	77.7	86.	96.	105.
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	233	1.2	1.398	6.9	0.	0.853	0.923	0.5	0.7	1.8	2.66
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	86	4.	4.437	35.	0.5	20.658	4.545	1.	2.	5.25	8.
00340	COD, .25N K2CR2O7 MG/L	04/10/74-03/31/75	4	4.	4.25	5.	4.	0.25	0.5	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	324	8.	7.95	8.84	6.8	0.096	0.309	7.6	7.8	8.158	8.3
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	324	8.	7.818	8.84	6.8	0.113	0.337	7.6	7.8	8.157	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	324	0.01	0.015	0.158	0.001	0.	0.017	0.005	0.007	0.016	0.025
00403	PH, LAB, STANDARD UNITS SU	05/06/93-08/21/96	36	7.7	7.722	8.2	7.1	0.069	0.263	7.37	7.6	7.9	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	05/06/93-08/21/96	36	7.7	7.644	8.2	7.1	0.075	0.275	7.37	7.6	7.9	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/93-08/21/96	36	0.02	0.023	0.079	0.006	0.	0.015	0.008	0.013	0.025	0.043
00405	CARBON DIOXIDE (MG/L AS CO2)	04/10/74-03/21/77	11	2.	2.409	5.6	1.5	1.341	1.158	1.5	1.6	2.6	5.04
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/45-07/22/80	89	102.	100.888	197.	54.	608.487	24.668	66.	84.5	119.	126.
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/06/93-08/21/96	36	94.5	93.056	131.	49.	485.368	22.031	56.2	83.25	111.5	122.
00440	BICARBONATE ION (MG/L AS HCO3)	07/23/45-03/21/77	77	122.	121.805	240.	66.	944.369	30.731	80.	100.5	142.	154.4
00445	CARBONATE ION (MG/L AS CO3)	07/23/45-03/21/77	75	0.	0.453	6.	0.	1.873	1.369	0.	0.	0.	2.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/06/93-08/21/96	36	0.	0.528	19.	0.	10.028	3.167	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/06/93-08/21/96	36	112.5	112.306	162.	59.	757.933	27.531	68.6	98.75	136.25	149.
00500	RESIDUE, TOTAL (MG/L)	04/10/74-09/21/76	28	135.	129.	187.	82.	708.963	26.626	82.9	107.	148.	163.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/10/74-08/09/77	39	128.	123.821	170.	75.	656.572	25.624	80.	101.	145.	154.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	236	3.	9.64	228.	0.	819.868	28.633	0.5	2.	7.	16.
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	09/16/93-09/16/93	2	280.	280.	300.	260.	800.	28.284	**	**	**	**
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	09/16/93-09/16/93	2	295.	295.	320.	270.	1250.	35.355	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/14/77-09/14/82	18	0.515	0.563	1.2	0.11	0.122	0.35	0.191	0.235	0.903	1.11
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/14/77-09/14/82	32	0.32	0.375	1.1	0.	0.09	0.3	0.056	0.105	0.548	0.898
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/06/93-08/21/96	36	0.01	0.015	0.05	0.005	0.	0.011	0.007	0.008	0.02	0.03
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	190	0.025	0.037	0.16	0.005	0.001	0.029	0.005	0.02	0.05	0.08
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/06/93-08/21/96	36 ##	0.005	0.006	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.01

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

Parameter Inventory for Station: BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/77-09/16/80	41 ##	0.01	0.014	0.05	0.005	0.	0.012	0.005	0.005	0.023	0.025
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	71	0.09	0.132	0.88	0.01	0.018	0.133	0.04	0.05	0.19	0.278
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/06/93-08/21/96	36 ##	0.1	0.103	0.2	0.1	0.	0.017	0.1	0.1	0.1	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	131	0.1	0.251	1.5	0.	0.087	0.294	0.05	0.1	0.3	0.7
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	157	0.08	0.111	0.58	0.005	0.011	0.106	0.01	0.04	0.15	0.254
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/06/93-08/21/96	36	0.065	0.094	0.3	0.025	0.006	0.079	0.025	0.025	0.2	0.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	263	0.015	0.027	0.367	0.	0.002	0.044	0.005	0.01	0.03	0.053
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/06/93-08/21/96	36 ##	0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/06/93-08/21/96	36 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	65	2.9	3.225	8.9	0.5	2.636	1.623	1.26	2.1	4.05	5.24
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/06/93-08/21/96	36	1.05	1.417	5.1	0.6	1.013	1.007	0.7	0.8	1.775	2.91
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/06/93-08/21/96	34	0.2	0.356	2.7	0.1	0.333	0.577	0.1	0.1	0.2	0.85
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	161	105.	105.174	204.	36.	589.02	24.27	74.	86.5	120.	130.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/23/45-03/21/77	77	5.	6.987	49.	0.	81.934	9.052	0.	2.	9.	12.
00910	CALCIUM (MG/L AS CACO3)	04/10/74-07/20/76	9	82.	83.778	110.	62.	332.444	18.233	62.	66.	101.	110.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	86	35.	35.105	51.	19.	57.671	7.594	24.	30.	41.25	45.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/74-07/22/80	14	36.	37.143	53.	19.	89.209	9.445	23.	31.5	44.	51.5
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	87	2.9	3.123	13.	1.1	2.476	1.573	1.5	2.3	3.6	4.92
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/74-07/22/80	14	3.1	3.079	4.	0.5	0.857	0.926	1.3	2.925	3.85	4.
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/74-07/22/80	23	2.1	3.4	31.	1.1	36.663	6.055	1.18	1.7	2.5	3.68
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	78	1.7	1.781	4.2	0.8	0.354	0.595	1.1	1.4	2.	2.4
00931	SODIUM ADSORPTION RATIO	07/23/45-10/04/63	42	0.1	0.102	0.2	0.	0.001	0.027	0.1	0.1	0.1	0.1
00932	SODIUM, PERCENT	07/23/45-10/04/63	42	4.	4.333	10.	2.	2.764	1.663	3.	3.	5.	6.7
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	56	0.85	0.884	1.8	0.5	0.052	0.227	0.6	0.7	1.	1.2
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/74-07/22/80	23	0.9	1.085	7.	0.1	1.779	1.334	0.14	0.7	1.	1.38
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	321	3.	3.427	31.	1.	4.27	2.066	2.	2.	4.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	321	5.	5.291	12.	0.5	3.895	1.974	3.	4.	6.	8.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	50 ##	0.05	0.071	0.3	0.	0.004	0.062	0.	0.05	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	51	5.7	5.767	10.	1.2	3.328	1.824	3.66	4.5	7.	8.62
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/06/93-08/21/95	17 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/74-09/14/82	53 ##	2.5	2.528	11.	0.5	3.273	1.809	1.5	1.5	2.5	2.8
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/06/93-08/21/95	17	17.	16.412	24.	10.	15.382	3.922	11.6	13.5	19.	23.2
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/06/93-08/21/95	17 ##	0.25	0.353	0.5	0.25	0.016	0.127	0.25	0.25	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/23/90-08/21/95	47 ##	0.25	0.404	3.	0.25	0.173	0.416	0.25	0.25	0.5	0.5
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	155 ##	0.5	2.821	20.	0.	17.118	4.137	0.	0.5	4.	10.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/23/90-08/21/95	45 ##	0.5	1.056	3.	0.5	0.798	0.893	0.5	0.5	2.25	2.5
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	139 ##	0.5	2.691	140.	0.	152.646	12.355	0.	0.5	2.	4.
01035	COBALT, DISSOLVED (UG/L AS CO)	05/06/93-08/21/95	17 ##	1.5	1.088	1.5	0.5	0.257	0.507	0.5	0.5	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	10/23/90-08/21/95	49 ##	12.5	8.194	12.5	0.5	25.029	5.003	0.5	3.5	12.5	12.5
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	171 ##	7.5	15.079	200.	0.	673.104	25.944	4.2	5.	10.	23.4
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	67	143.	567.701	4800.	5.	1098569.546	1048.127	33.8	70.	370.	1565.6
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	48	14.5	26.052	140.	0.	1108.577	33.295	0.	7.	30.	83.7
01049	LEAD, DISSOLVED (UG/L AS PB)	10/23/90-08/21/95	50 ##	1.	1.83	10.	0.5	3.925	1.981	0.5	1.	1.	5.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	135	2.	28.281	480.	0.	6128.017	78.282	0.5	0.5	17.	75.6
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	68	40.5	52.713	270.	2.	3279.786	57.269	5.	15.	59.5	100.3
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/06/93-08/21/96	36	5.	6.333	23.	2.	20.286	4.504	2.	3.25	8.	12.2
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/06/93-08/21/95	17 ##	5.	3.147	5.	0.5	5.211	2.283	0.5	0.5	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/06/93-08/21/95	17 ##	5.	3.5	5.	0.5	3.781	1.945	0.5	1.5	5.	5.
01075	SILVER, DISSOLVED (UG/L AS AG)	05/06/93-08/21/95	17 ##	0.5	0.618	2.	0.5	0.142	0.376	0.5	0.5	0.5	1.2
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/06/93-08/17/94	10	43.	41.8	55.	26.	101.733	10.086	26.5	31.	50.5	54.7
01085	VANADIUM, DISSOLVED (UG/L AS V)	05/06/93-08/17/94	10 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/19/90-08/21/95	44 ##	4.	3.739	10.	0.5	4.052	2.013	1.	3.	4.	5.5
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	159	10.	22.846	960.	0.	6145.971	78.396	3.	5.	20.	40.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	10/19/94-08/21/95	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/18/49-10/18/49	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/19/94-08/21/95	7	14.	35.571	173.	6.	3696.952	60.803	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/06/93-08/17/94	10 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/06/93-08/21/95	17 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01147	SELENIUM, TOTAL (UG/L AS SE)	10/14/80-09/14/82	23 ##	2.5	3.348	6.	2.5	1.783	1.335	2.5	2.5	5.	5.6
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	4 ##	0.006	0.006	0.008	0.004	0.	0.002	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.004	0.003	0.	0.001	**	**	**	**

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

Parameter Inventory for Station: BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	4 ##	0.007	0.007	0.009	0.004	0.	0.003	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/11/94-06/05/95	3 ##	0.002	0.002	0.003	0.001	0.	0.001	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	4 ##	0.004	0.004	0.007	0.002	0.	0.003	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	10/19/94-08/21/95	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/10/74-09/05/78	43	60.	203.558	2400.	2.	168699.395	410.73	3.2	20.	190.	580.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	04/10/74-09/05/78	43	1.778	1.762	3.38	0.301	0.574	0.757	0.46	1.301	2.279	2.762
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			57.831								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	155	12.	84.99	2500.	2.	70233.086	265.015	2.	4.	44.	134.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	155	1.079	1.169	3.398	0.301	0.556	0.746	0.301	0.602	1.643	2.127
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.759								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/06/93-08/21/96	35	13.	338.057	5300.	1.	1229808.879	1108.967	3.	7.	51.	738.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	05/06/93-08/21/96	35	1.114	1.344	3.724	0.	0.781	0.884	0.477	0.845	1.708	2.812
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			22.093								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	11/20/92-08/21/96	29	10.	249.5	4000.	0.5	716440.429	846.428	2.	3.5	43.5	210.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	11/20/92-08/21/96	29	1.	1.147	3.602	-0.301	0.846	0.92	0.301	0.54	1.634	2.322
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			14.02								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/06/93-08/21/96	36	36.	657.556	13000.	1.	5004530.94	2237.081	3.7	13.5	217.5	1710.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/06/93-08/21/96	36	1.556	1.728	4.114	0.	0.875	0.935	0.565	1.129	2.318	3.194
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			53.484								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/01/75-01/17/77	16	28.	130.313	704.	2.	51961.296	227.95	4.1	17.	118.	701.2
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/01/75-01/17/77	16	1.447	1.607	2.848	0.301	0.49	0.7	0.58	1.228	2.072	2.846
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			40.484								
34253	A-BHC-ALPHA DISSUG/L	05/11/94-06/05/95	4 ##	0.002	0.002	0.004	0.001	0.	0.001	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/11/94-06/05/95	4 ##	0.004	0.004	0.005	0.003	0.	0.001	**	**	**	**
34790	SURFACTANTS, AS CTAS, WATER MG/L	07/13/94-07/13/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
34795	ANTIMONY, BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34800	ARSENIC, BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
34805	BARIUM, BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	290.	290.	290.	290.	0.	0.	**	**	**	**
34810	BERYLLIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34816	BISMUTH,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34825	CADMIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
34830	CALCIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34835	CERIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	64.	64.	64.	64.	0.	0.	**	**	**	**
34840	COBALT,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
34845	CHROMIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
34850	COPPER,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
34855	EUROPIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34860	GALLIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
34870	GOLD,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34875	HOLMIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
34880	IRON,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
34885	LANTHANUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	40.	40.	40.	40.	0.	0.	**	**	**	**
34890	LEAD,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	19.	19.	19.	19.	0.	0.	**	**	**	**
34895	LITHIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	50.	50.	50.	50.	0.	0.	**	**	**	**
34900	MAGNESIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
34905	MANGANESE,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	770.	770.	770.	770.	0.	0.	**	**	**	**
34910	MERCURY,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
34915	MOLYBDENUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34920	NEODYMIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	34.	34.	34.	34.	0.	0.	**	**	**	**
34925	NICKEL,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	42.	42.	42.	42.	0.	0.	**	**	**	**
34930	NIOBIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
34935	PHOSPHORUS,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34940	POTASSIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
34945	SCANDIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
34950	SELENIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
34955	SILVER,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34960	SODIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34965	STRONTIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	75.	75.	75.	75.	0.	0.	**	**	**	**
34970	SULFUR,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
34975	TANTALUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
34980	THORIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
34985	TIN,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	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: BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
35000	URANIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
35005	VANADIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	100.	100.	100.	100.	0.	0.	**	**	**	**
35010	YTTRIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**
35015	YTTERBIUM,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
35020	ZINC,BEDLOAD SED,WET SIEVE DIAM	07/13/94-07/13/94	1	130.	130.	130.	130.	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	05/11/94-05/11/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/11/94-06/05/95	4 ##	0.002	0.003	0.004	0.002	0.	0.001	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/06/93-08/21/96	36	94.	92.833	132.	49.	503.629	22.442	56.2	83.	111.5	122.
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	18	0.	0.	0.001	0.	0.	0.	0.	0.	0.	0.001
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/11/94-06/05/95	4 ##	0.004	0.004	0.006	0.002	0.	0.002	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	18	0.	0.	0.001	0.	0.	0.	0.	0.	0.	0.001
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	18	0.	0.001	0.02	0.	0.	0.005	0.	0.	0.	0.005
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	18	0.	0.	0.001	0.	0.	0.	0.	0.	0.	0.001
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-06/05/95	4 ##	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	18	0.	0.	0.001	0.	0.	0.	0.	0.	0.	0.001
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	18	0.	0.056	0.5	0.	0.026	0.162	0.	0.	0.	0.5
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/13/79-01/04/83	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-08/04/81	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-06/05/95	4 ##	0.005	0.005	0.007	0.003	0.	0.003	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-06/05/95	4 ##	0.007	0.007	0.011	0.002	0.	0.005	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-06/05/95	4 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	18	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39632	ATRAZINE DISSOLVED IN WATER PPB	05/11/94-06/05/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	11/27/78-01/04/83	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	18	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.001
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
49235	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49237	INVALID PARAMETER	07/13/94-07/13/94	1	41.9	41.9	41.9	41.9	0.	0.	**	**	**	**
49238	INVALID PARAMETER	07/13/94-07/13/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
49239	INVALID PARAMETER	07/13/94-07/13/94	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
49240	INVALID PARAMETER	07/13/94-07/13/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
49241	INVALID PARAMETER	07/13/94-07/13/94	1	32.4	32.4	32.4	32.4	0.	0.	**	**	**	**
49242	INVALID PARAMETER	07/13/94-07/13/94	1	245.	245.	245.	245.	0.	0.	**	**	**	**
49243	INVALID PARAMETER	07/13/94-07/13/94	1	10.9	10.9	10.9	10.9	0.	0.	**	**	**	**
49244	INVALID PARAMETER	07/13/94-07/13/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
49245	INVALID PARAMETER	07/13/94-07/13/94	1	165.	165.	165.	165.	0.	0.	**	**	**	**
49246	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
49247	INVALID PARAMETER	07/13/94-07/13/94	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
49248	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
49249	INVALID PARAMETER	07/13/94-07/13/94	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
49250	INVALID PARAMETER	07/13/94-07/13/94	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
49251	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
49252	INVALID PARAMETER	07/13/94-07/13/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
49253	INVALID PARAMETER	07/13/94-07/13/94	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49254	INVALID PARAMETER	07/13/94-07/13/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
49255	INVALID PARAMETER	07/13/94-07/13/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
49257	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
49258	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49260	INVALID PARAMETER	04/10/95-06/05/95	3 ##	0.001	0.002	0.005	0.001	0.	0.002	**	**	**	**
49261	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
49264	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
49266	INVALID PARAMETER	07/13/94-07/13/94	1	2.53	2.53	2.53	2.53	0.	0.	**	**	**	**
49267	INVALID PARAMETER	07/13/94-07/13/94	1	3.03	3.03	3.03	3.03	0.	0.	**	**	**	**
49269	INVALID PARAMETER	07/13/94-07/13/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49270	INVALID PARAMETER	07/13/94-07/13/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49271	INVALID PARAMETER	07/13/94-07/13/94	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
49272	INVALID PARAMETER	07/13/94-07/13/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
49273	INVALID PARAMETER	07/13/94-07/13/94	1	92.7	92.7	92.7	92.7	0.	0.	**	**	**	**
49274	INVALID PARAMETER	07/13/94-07/13/94	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
49275	INVALID PARAMETER	07/13/94-07/13/94	1	61.	61.	61.	61.	0.	0.	**	**	**	**
49276	INVALID PARAMETER	07/13/94-07/13/94	1	100.	100.	100.	100.	0.	0.	**	**	**	**
49277	INVALID PARAMETER	07/13/94-07/13/94	1	62.	62.	62.	62.	0.	0.	**	**	**	**
49278	INVALID PARAMETER	07/13/94-07/13/94	1	100.	100.	100.	100.	0.	0.	**	**	**	**
49279	INVALID PARAMETER	07/13/94-07/13/94	1	58.	58.	58.	58.	0.	0.	**	**	**	**
49280	INVALID PARAMETER	07/13/94-07/13/94	1	42.	42.	42.	42.	0.	0.	**	**	**	**
49289	INVALID PARAMETER	07/13/94-07/13/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
49291	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	05/11/94-05/11/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49311	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	05/11/94-05/11/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	05/11/94-05/11/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	05/11/94-05/08/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49316	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49317	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49318	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49319	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49320	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49321	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49322	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49324	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49325	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49326	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49327	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49328	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49329	INVALID PARAMETER	07/13/94-07/13/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49330	INVALID PARAMETER	07/13/94-07/13/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49331	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49332	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49335	INVALID PARAMETER	07/13/94-07/13/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49338	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49339	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49341	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49342	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49343	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49344	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49345	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49346	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49347	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49348	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49349	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49350	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49351	INVALID PARAMETER	07/13/94-07/13/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
49353	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49354	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49355	INVALID PARAMETER	07/13/94-07/13/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
49356	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49357	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49358	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49359	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49360	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49361	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49362	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49363	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49364	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49365	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49366	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49367	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49368	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49369	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49370	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49371	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49372	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49373	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49374	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49375	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49376	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49377	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49378	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49379	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49380	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49381	INVALID PARAMETER	07/13/94-07/13/94	1	41.	41.	41.	41.	0.	0.	**	**	**	**
49382	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49383	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49384	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49387	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49388	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49389	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49390	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49391	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49392	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49393	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49394	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49395	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49396	INVALID PARAMETER	07/13/94-07/13/94	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
49397	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49398	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49399	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49400	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49401	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49402	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49403	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49404	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49405	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49406	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49407	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49408	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49409	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49410	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49411	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49413	INVALID PARAMETER	07/13/94-07/13/94	1	25.	25.	25.	25.	0.	0.	**	**	**	**
49421	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49422	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49424	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49426	INVALID PARAMETER	07/13/94-07/13/94	1	84.	84.	84.	84.	0.	0.	**	**	**	**
49427	INVALID PARAMETER	07/13/94-07/13/94	1	69.	69.	69.	69.	0.	0.	**	**	**	**
49428	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49429	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49430	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49431	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49433	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49434	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49435	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49436	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49437	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49438	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49439	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49441	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49442	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49443	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49444	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49446	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49449	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49450	INVALID PARAMETER	07/13/94-07/13/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
49451	INVALID PARAMETER	07/13/94-07/13/94	1	140.	140.	140.	140.	0.	0.	**	**	**	**
49452	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49454	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49455	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49458	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49459	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49460	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49461	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49465	INVALID PARAMETER	07/13/94-07/13/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
49466	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49467	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49468	INVALID PARAMETER	07/13/94-07/13/94	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49490	INVALID PARAMETER	07/13/94-07/13/94	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	263	123.	125.095	1060.	77.	3903.628	62.479	89.	103.	138.	148.6
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/23/45-10/04/63	39	115.	110.128	147.	66.	484.536	22.012	78.	90.	128.	140.
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/23/45-09/29/81	61	109.	432.895	4570.	3.91	783155.931	884.961	9.604	26.65	388.5	1142.408
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	113	0.16	0.168	0.3	0.1	0.001	0.035	0.13	0.14	0.19	0.21
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/06/93-08/21/96	36	66.5	66.083	100.	4.	572.821	23.934	26.4	52.5	86.75	95.6
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	152 ##	0.015	0.016	0.175	0.005	0.	0.021	0.005	0.005	0.015	0.03
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	09/16/93-09/16/93	2	28.	28.	44.	12.	512.	22.627	**	**	**	**
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	09/16/93-09/16/93	2	2.1	2.1	2.7	1.5	0.72	0.849	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/23/45-10/04/63	64	0.6	0.786	3.8	0.	0.589	0.768	0.1	0.3	1.	1.9
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	10/04/63-10/04/63	1	20.	20.	20.	20.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/18/49-10/04/63	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/14/77-09/14/82	18	2.25	2.483	5.3	0.5	2.337	1.529	0.86	1.075	4.	4.85
71900	MERCURY, TOTAL (UG/L AS HG)	10/13/76-09/12/89	6 ##	0.375	0.542	1.4	0.25	0.199	0.447	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/06/93-08/21/96	36	19.5	41.389	298.	1.	5136.53	71.67	2.7	5.25	38.25	134.9
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	05/06/93-05/06/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/22/91-09/27/94	33	2.	12.655	140.	0.5	949.381	30.812	1.	1.15	8.75	31.2
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/11/94-06/05/95	4 ##	0.004	0.004	0.005	0.002	0.	0.002	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/11/94-06/05/95	4 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**

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Parameter Inventory for Station: BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/11/94-05/11/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.004	0.004	0.005	0.002	0.	0.002	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.009	0.009	0.015	0.004	0.	0.007	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.011	0.011	0.02	0.001	0.	0.011	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/11/94-06/05/95	4 ##	0.012	0.012	0.02	0.003	0.	0.01	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.002	0.002	0.003	0.001	0.	0.001	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.002	0.	0.001	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.02	0.02	0.03	0.01	0.	0.012	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.006	0.006	0.01	0.002	0.	0.005	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.013	0.013	0.025	0.002	0.	0.014	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.006	0.006	0.01	0.002	0.	0.005	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.005	0.004	0.005	0.003	0.	0.001	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.01	0.012	0.025	0.001	0.	0.013	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/11/94-06/05/95	4 ##	0.006	0.006	0.01	0.003	0.	0.004	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	28	0	0.00	12	0	0.00	11	0	0.00	5	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	109	2	0.02	50	0	0.00	39	2	0.05	20	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	264	1	0.00	123	1	0.01	92	0	0.00	49	0	0.00			
00400	PH	Other-Hi Lim.	9.	324	0	0.00	149	0	0.00	114	0	0.00	61	0	0.00			
		Other-Lo Lim.	6.5	324	0	0.00	149	0	0.00	114	0	0.00	61	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	36	0	0.00	16	0	0.00	12	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	36	0	0.00	16	0	0.00	12	0	0.00	8	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	36	0	0.00	16	0	0.00	12	0	0.00	8	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	41	0	0.00	19	0	0.00	15	0	0.00	7	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	71	0	0.00	31	0	0.00	28	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	157	0	0.00	74	0	0.00	54	0	0.00	29	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	36	0	0.00	16	0	0.00	12	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	321	0	0.00	154	0	0.00	109	0	0.00	58	0	0.00			
		Drinking Water	250.	321	0	0.00	154	0	0.00	109	0	0.00	58	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	321	0	0.00	151	0	0.00	112	0	0.00	58	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	50	0	0.00	24	0	0.00	16	0	0.00	10	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	50.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	53	0	0.00	22	0	0.00	22	0	0.00	9	0	0.00			
		Drinking Water	50.	53	0	0.00	22	0	0.00	22	0	0.00	9	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	4.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	47	0	0.00	25	0	0.00	13	0	0.00	9	0	0.00			
		Drinking Water	5.	47	0	0.00	25	0	0.00	13	0	0.00	9	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	118 &	2	0.02	57	2	0.04	44	0	0.00	17	0	0.00			
		Drinking Water	5.	118 &	1	0.01	57	1	0.02	44	0	0.00	17	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: BUFF0080

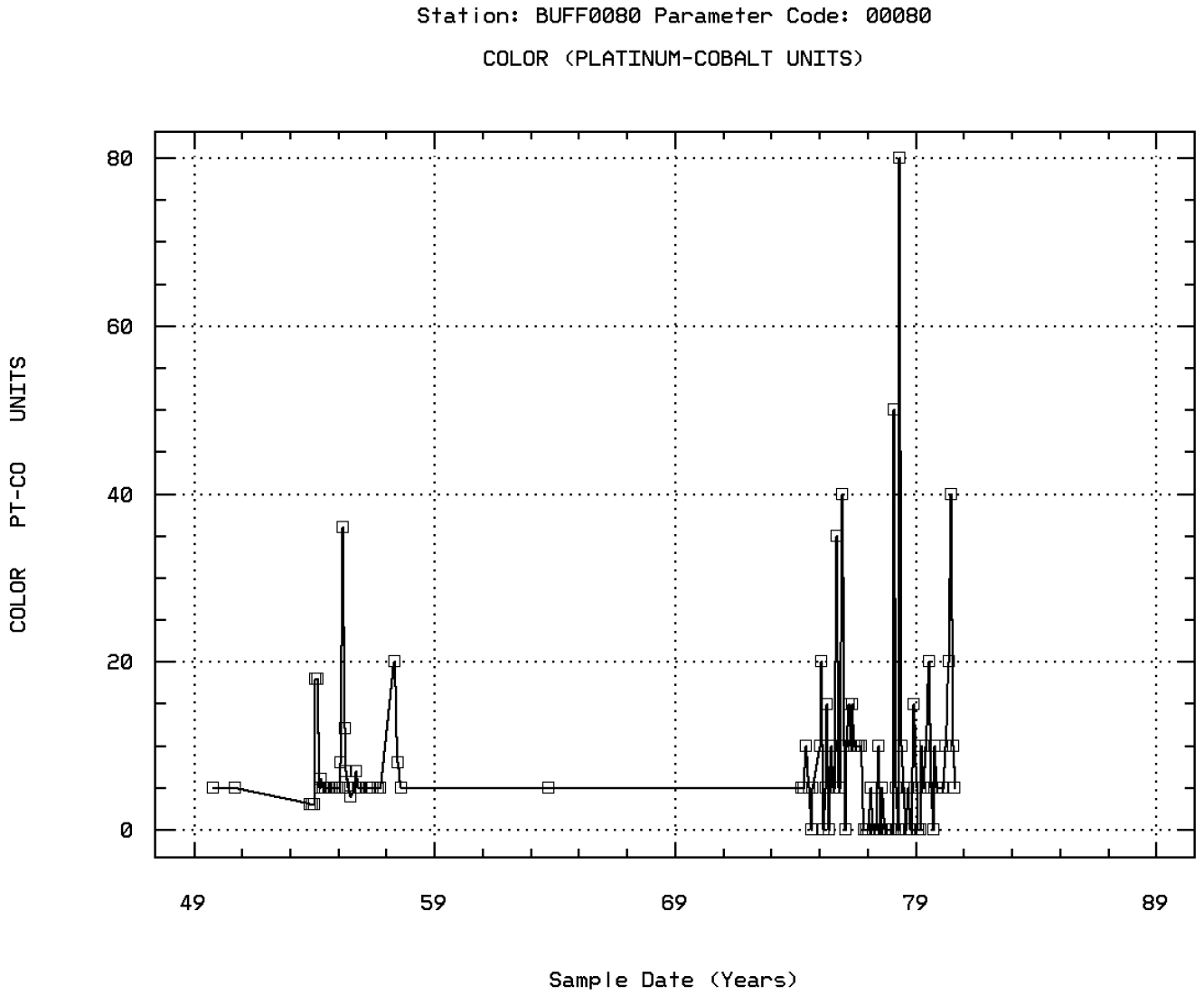
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	45	0	0.00	24	0	0.00	13	0	0.00	8	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	139	1	0.01	62	0	0.00	55	1	0.02	22	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	49	0	0.00	25	0	0.00	14	0	0.00	10	0	0.00			
		Drinking Water	1300.	49	0	0.00	25	0	0.00	14	0	0.00	10	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	171	28	0.16	83	9	0.11	61	11	0.18	27	8	0.30			
		Drinking Water	1300.	171	0	0.00	83	0	0.00	61	0	0.00	27	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	50	0	0.00	26	0	0.00	14	0	0.00	10	0	0.00			
		Drinking Water	15.	50	0	0.00	26	0	0.00	14	0	0.00	10	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	135	13	0.10	64	3	0.05	47	9	0.19	24	1	0.04			
		Drinking Water	15.	135	34	0.25	64	16	0.25	47	14	0.30	24	4	0.17			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	100.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	100.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	44	0	0.00	23	0	0.00	13	0	0.00	8	0	0.00			
		Drinking Water	5000.	44	0	0.00	23	0	0.00	13	0	0.00	8	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	159	3	0.02	77	0	0.00	56	3	0.05	26	0	0.00			
		Drinking Water	5000.	159	0	0.00	77	0	0.00	56	0	0.00	26	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	6.	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	50.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	23	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00			
		Drinking Water	50.	23	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	4	0	0.00				2	0	0.00	2	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	43	2	0.05	21	0	0.00	14	2	0.14	8	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	155	13	0.08	76	4	0.05	53	6	0.11	26	3	0.12			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	35	5	0.14	15	2	0.13	12	3	0.25	8	0	0.00			
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	4	0	0.00				2	0	0.00	2	0	0.00			
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00							1	0	0.00			
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	4	0	0.00				2	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	0.2	4	0	0.00				2	0	0.00	2	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	1	0	0.00	1	0	0.00						
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	4	0	0.00				2	0	0.00	2	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	2	0	0.00	1	0	0.00	1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	2.	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	3.	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	0.4	2	0	0.00	1	0	0.00	1	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	0.2	2	0	0.00	1	0	0.00	1	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	1	0	0.00	1	0	0.00						
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	4	0	0.00				2	0	0.00	2	0	0.00			
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	2	0	0.00				1	0	0.00	1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	11	0	0.00	6	0	0.00	4	0	0.00	1	0	0.00			
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	2	0	0.00				1	0	0.00	1	0	0.00			
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00			
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	0.2	18	0	0.00	12	0	0.00	5	0	0.00	1	0	0.00			
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	4	0	0.00				2	0	0.00	2	0	0.00			

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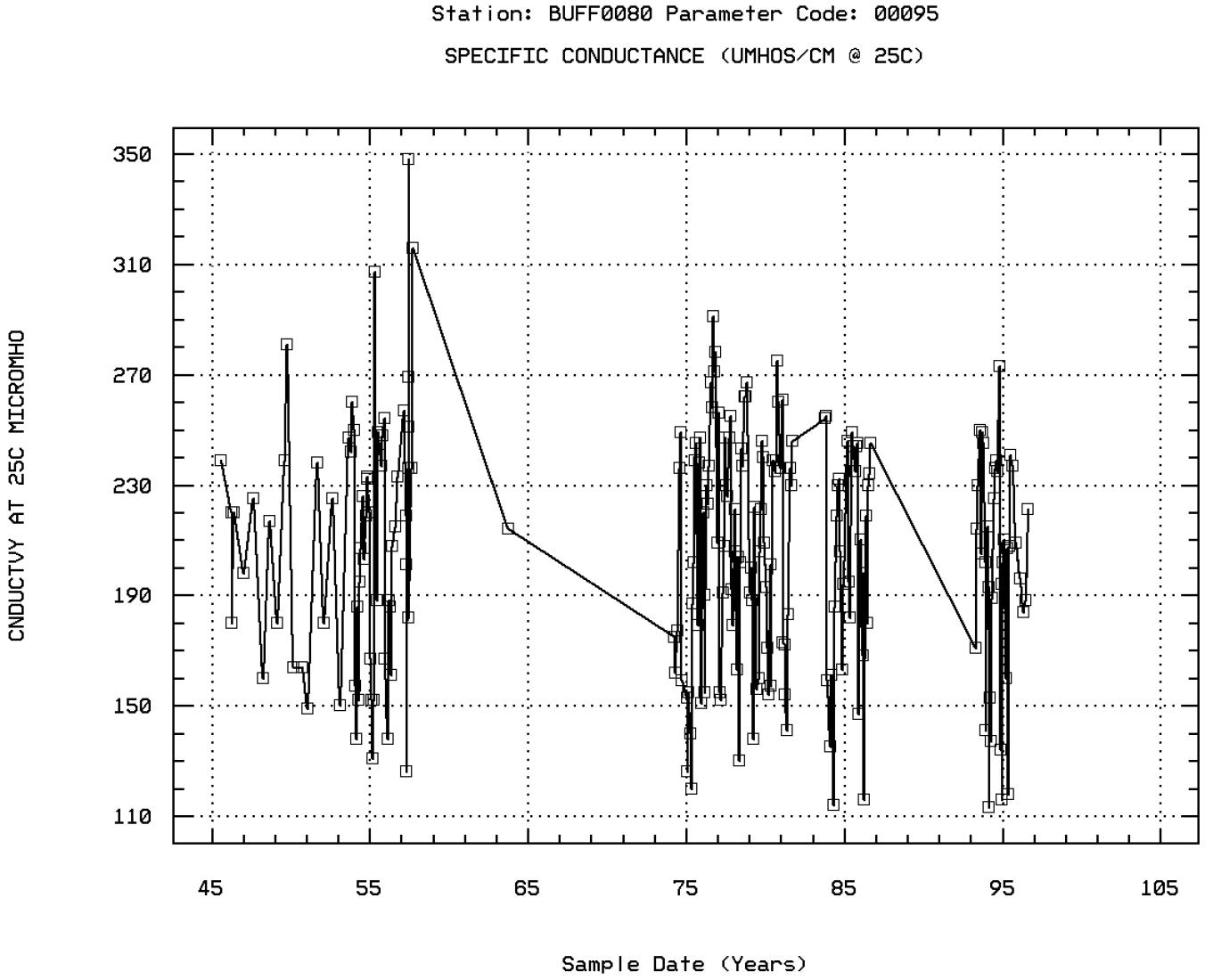
EPA Water Quality Criteria Analysis for Station: BUFF0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	64	0	0.00	30	0	0.00	24	0	0.00	10	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	5	0	0.00	1	0	0.00						
		Drinking Water	2.	6	0	0.00	5	0	0.00	1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	33	2	0.06	18	1	0.06	8	1	0.13	7	0	0.00			

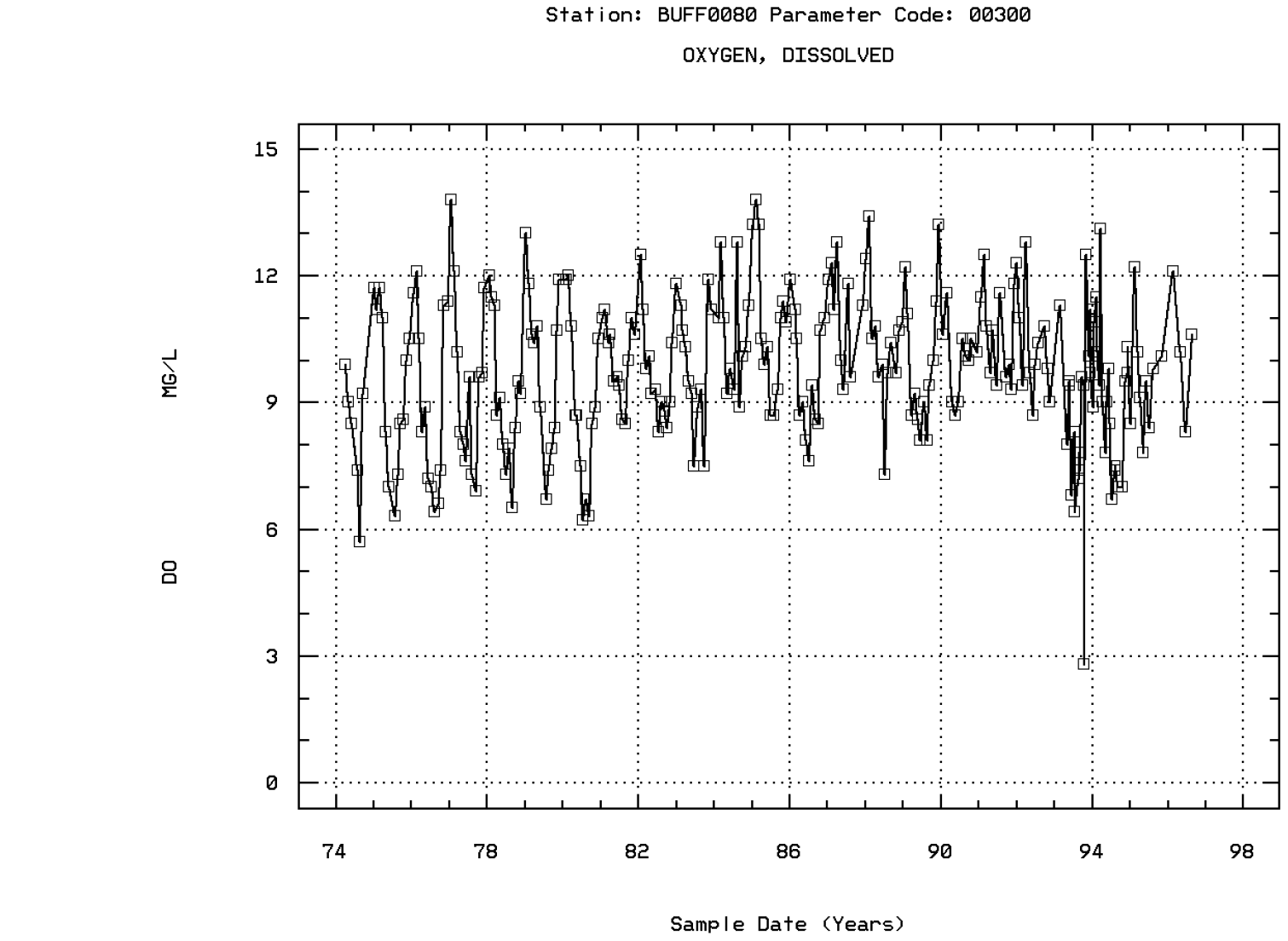
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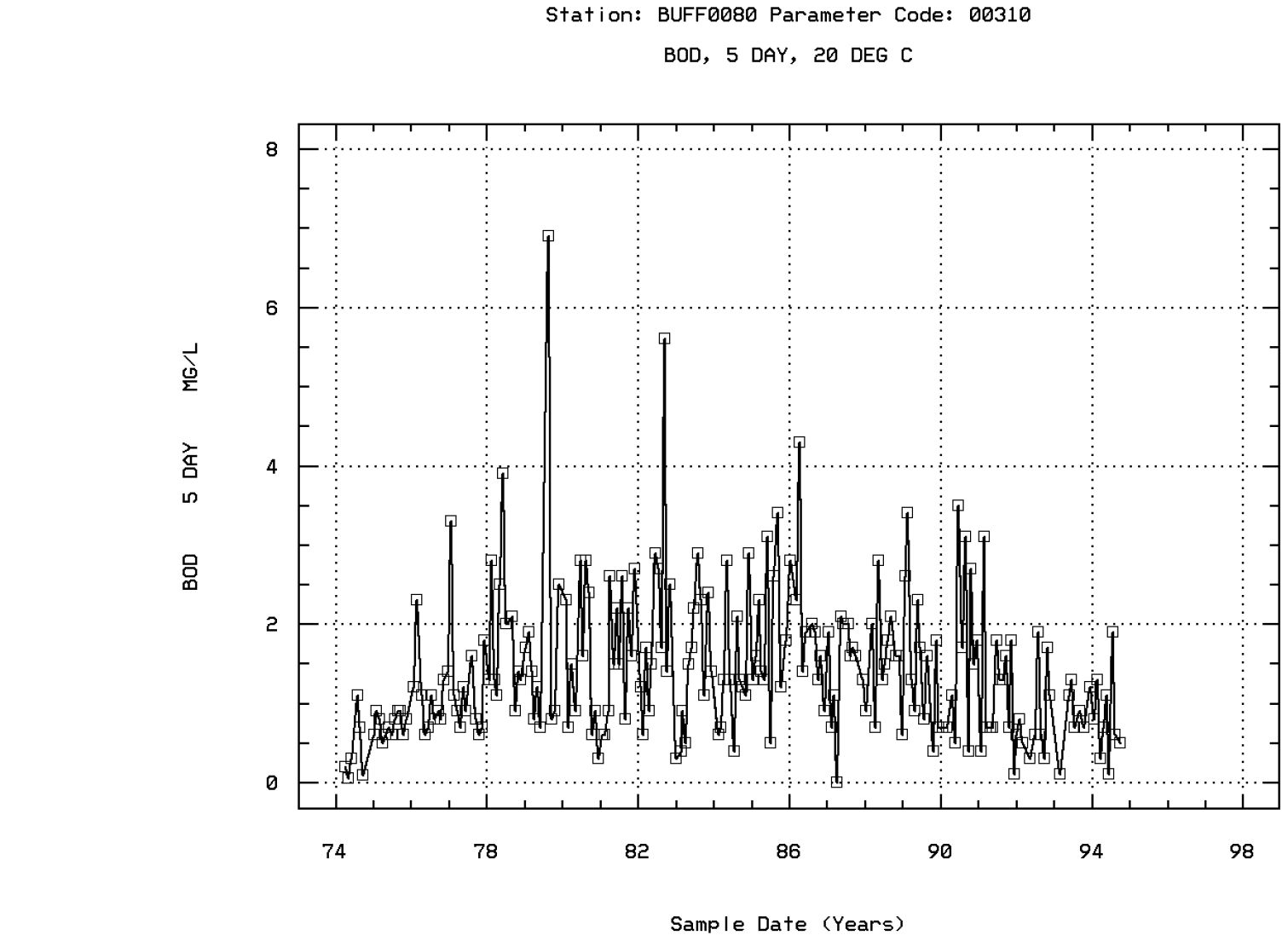
BUFFALO RIVER NEAR ST. JOE, ARK.



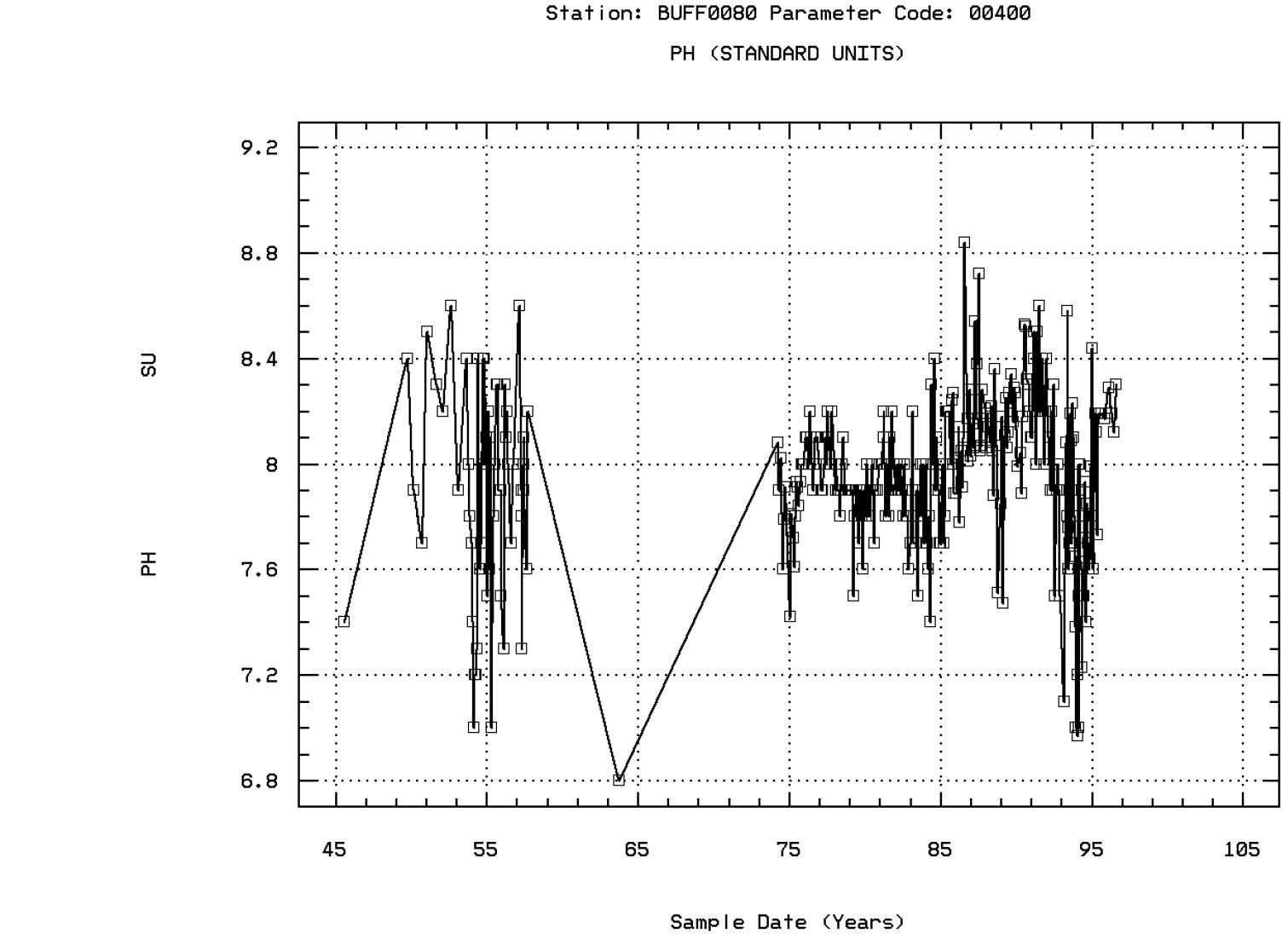
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.



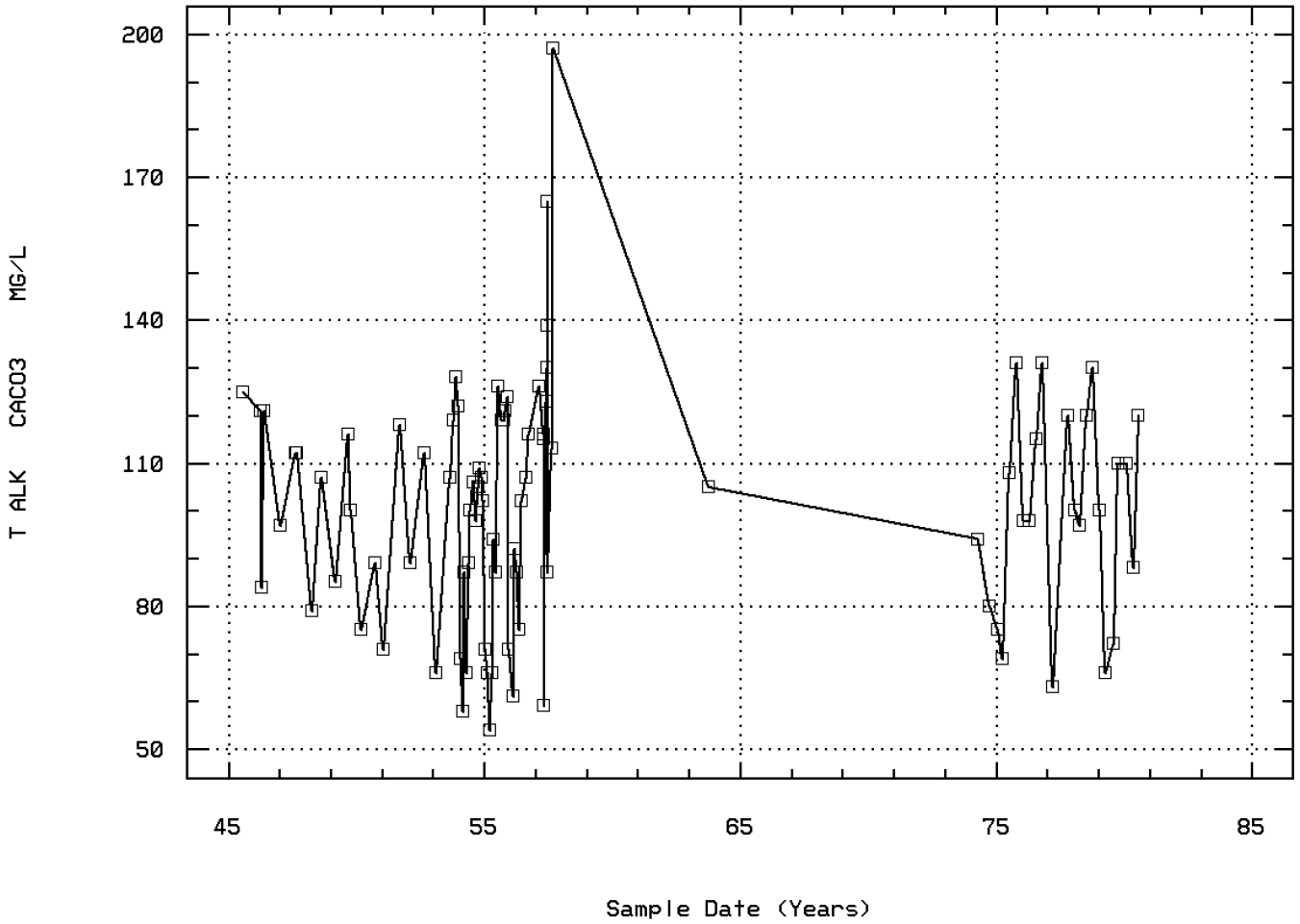
BUFFALO RIVER NEAR ST. JOE, ARK.



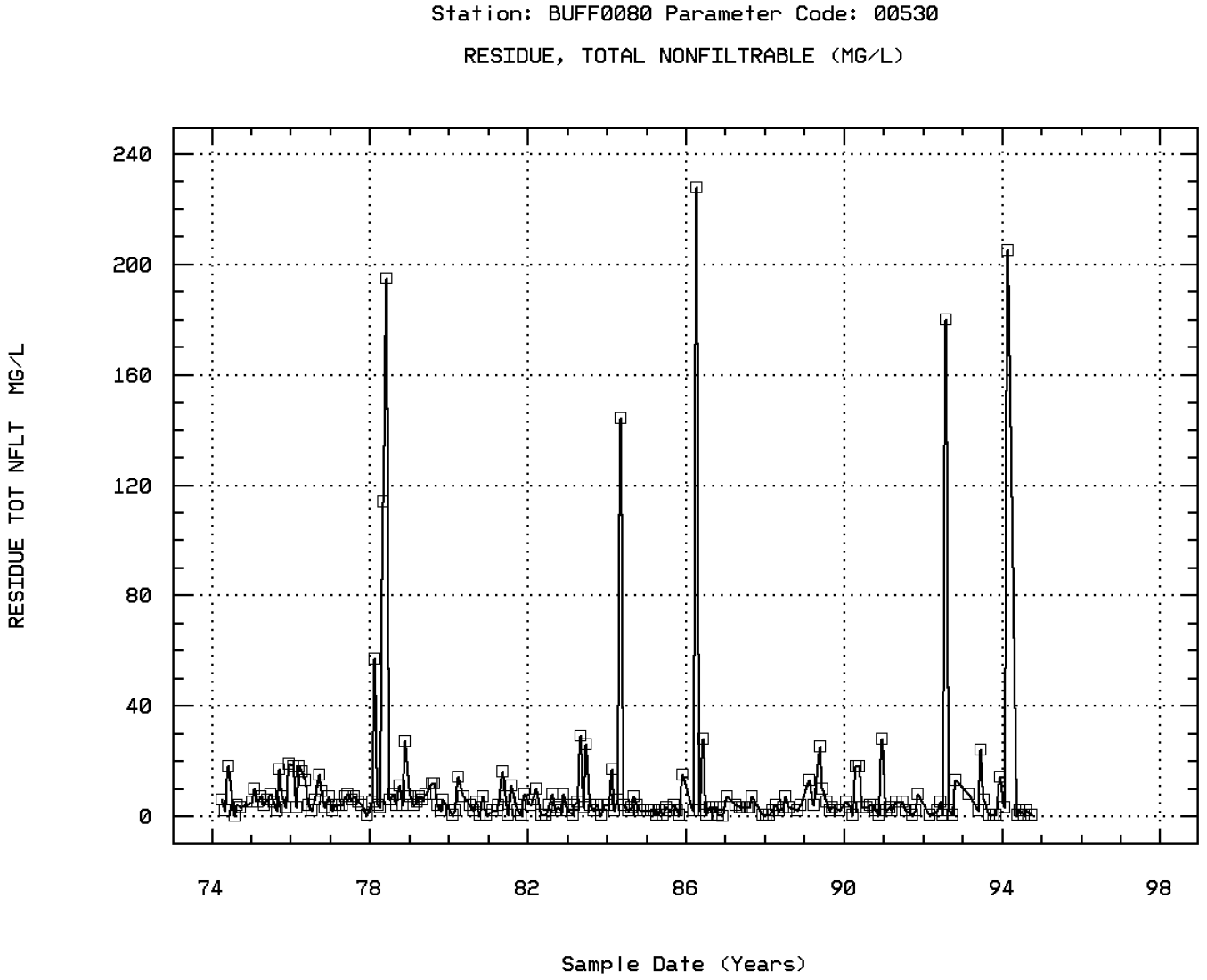
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00410

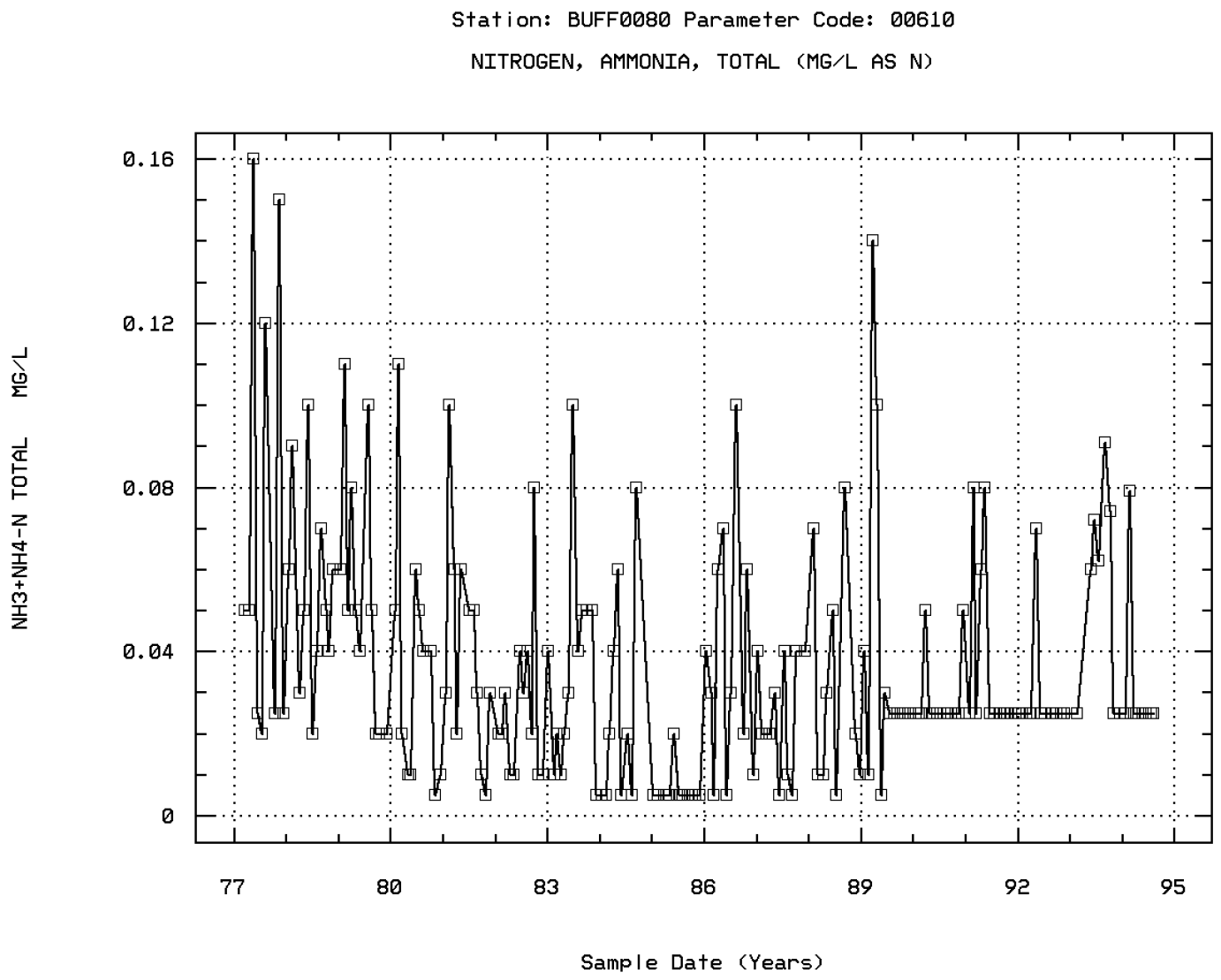
ALKALINITY, TOTAL (MG/L AS CACO3)



BUFFALO RIVER NEAR ST. JOE, ARK.



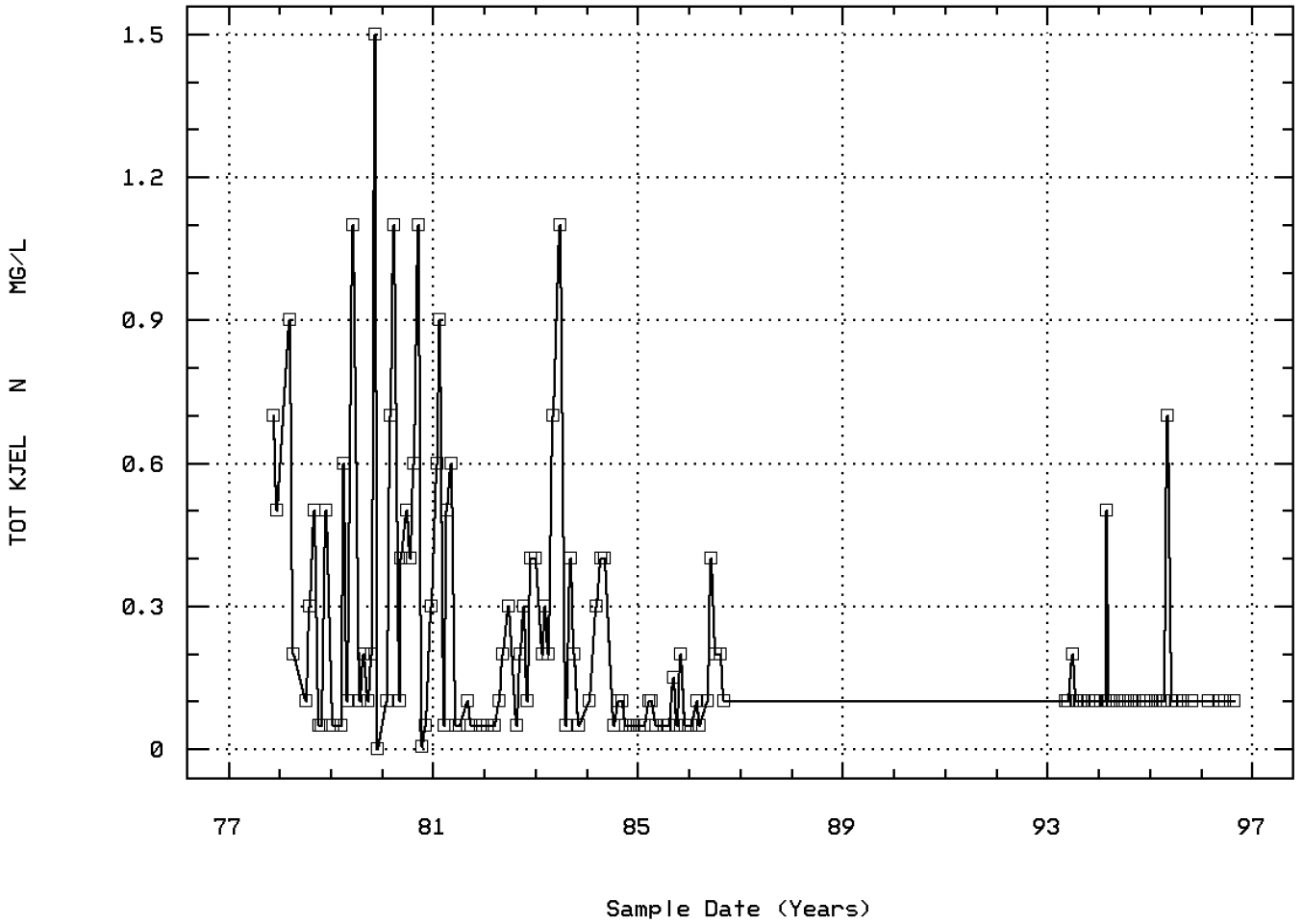
BUFFALO RIVER NEAR ST. JOE, ARK.



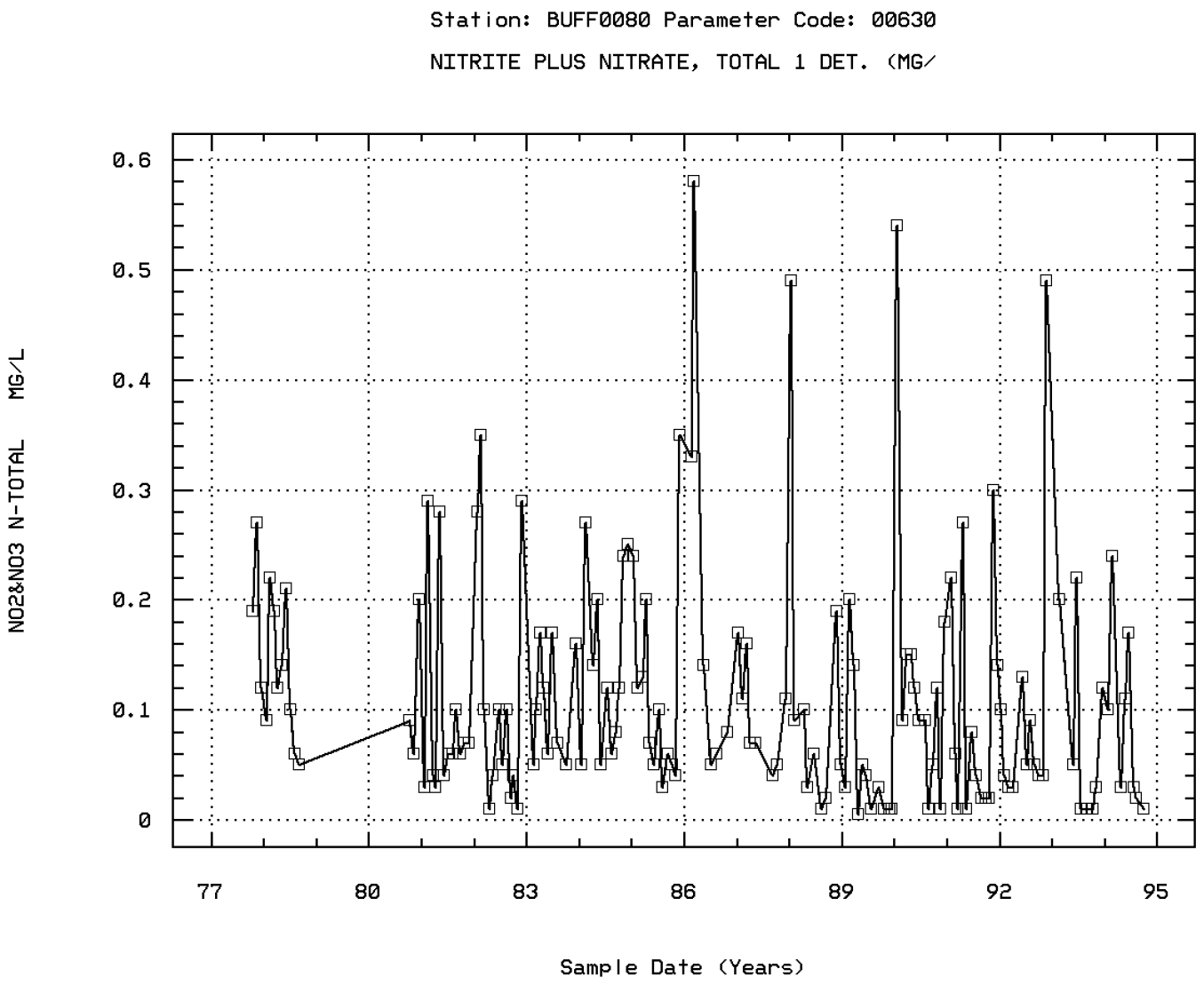
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00625

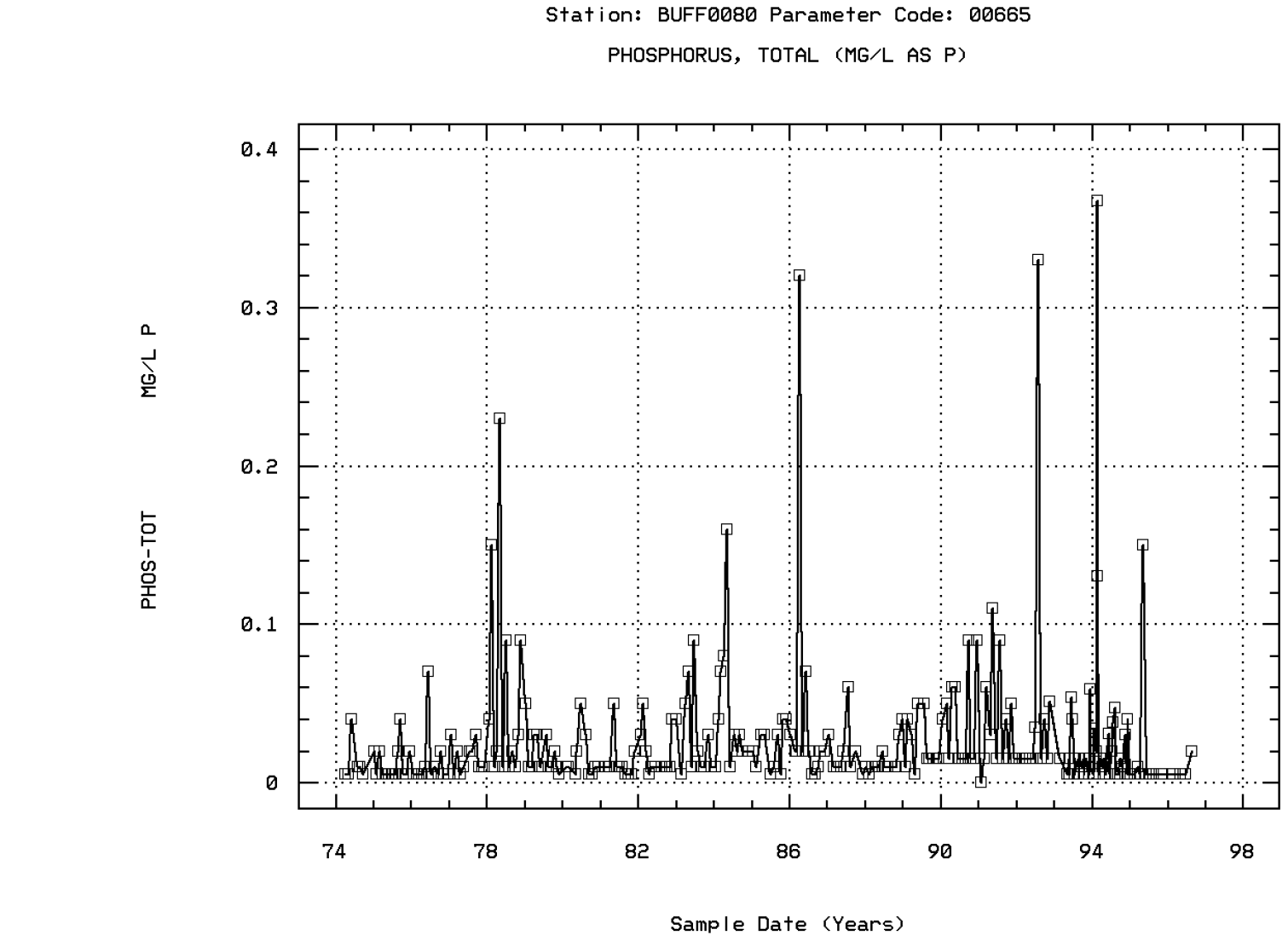
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



BUFFALO RIVER NEAR ST. JOE, ARK.



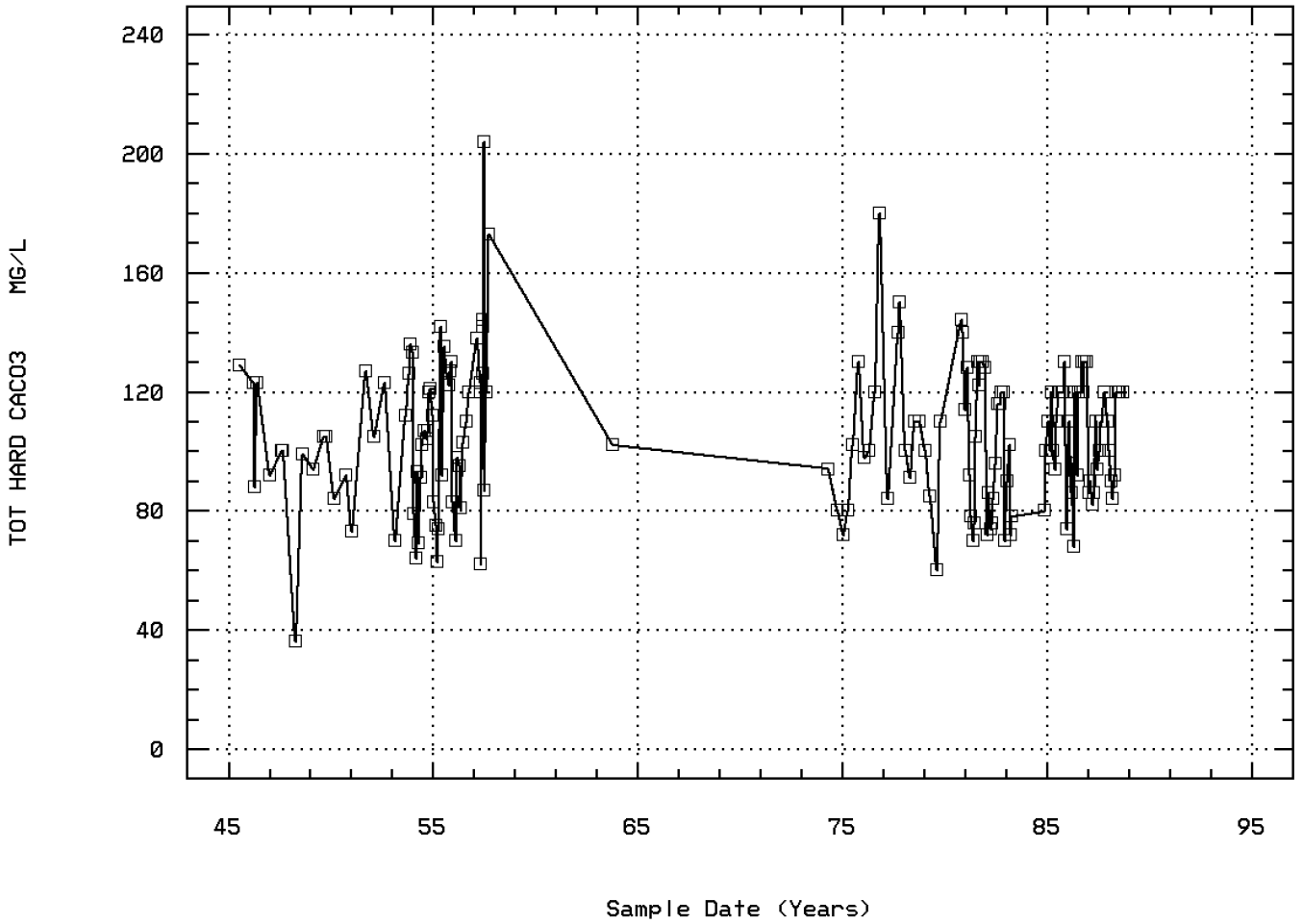
BUFFALO RIVER NEAR ST. JOE, ARK.



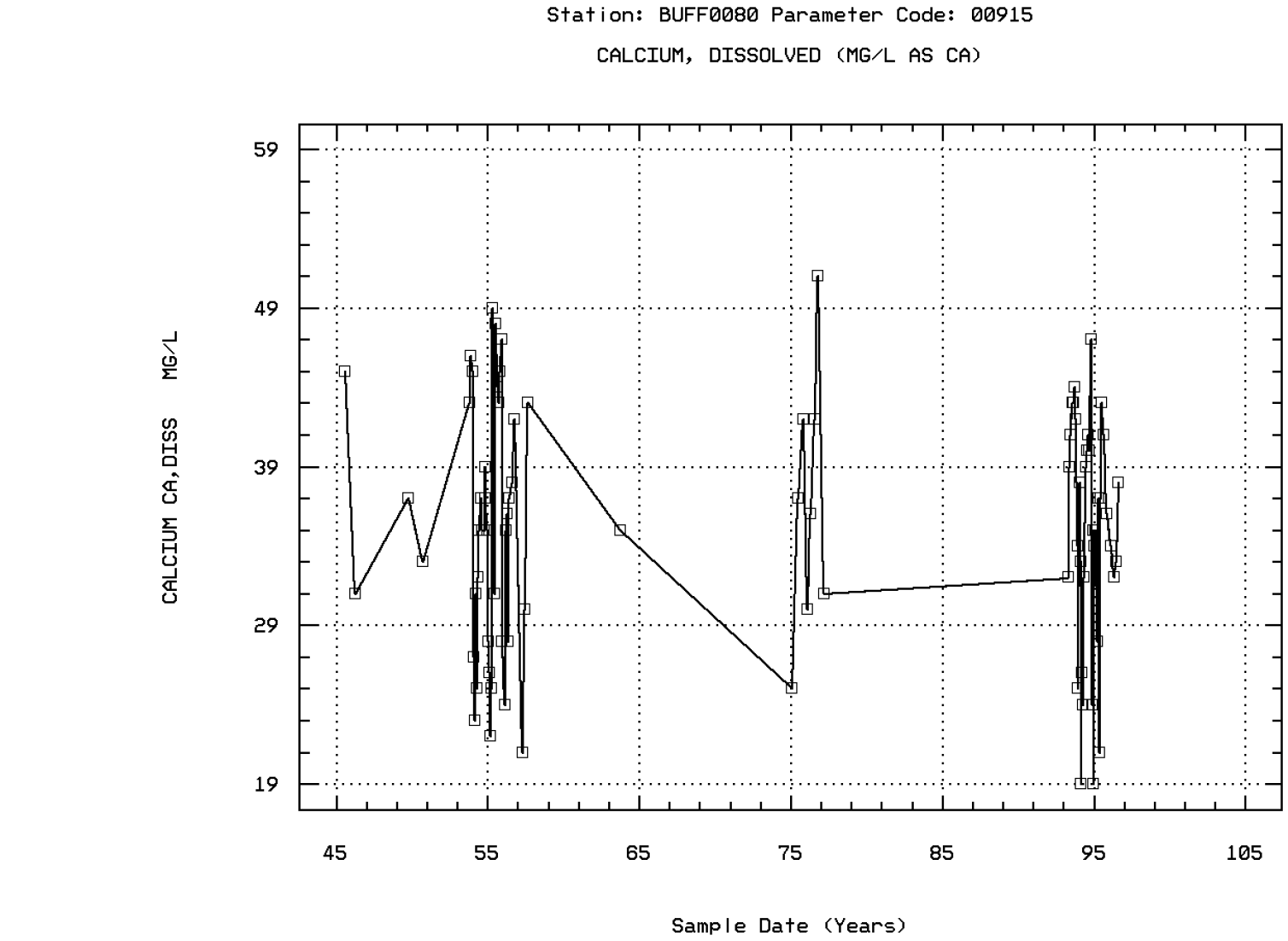
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00900

HARDNESS, TOTAL (MG/L AS CACO3)



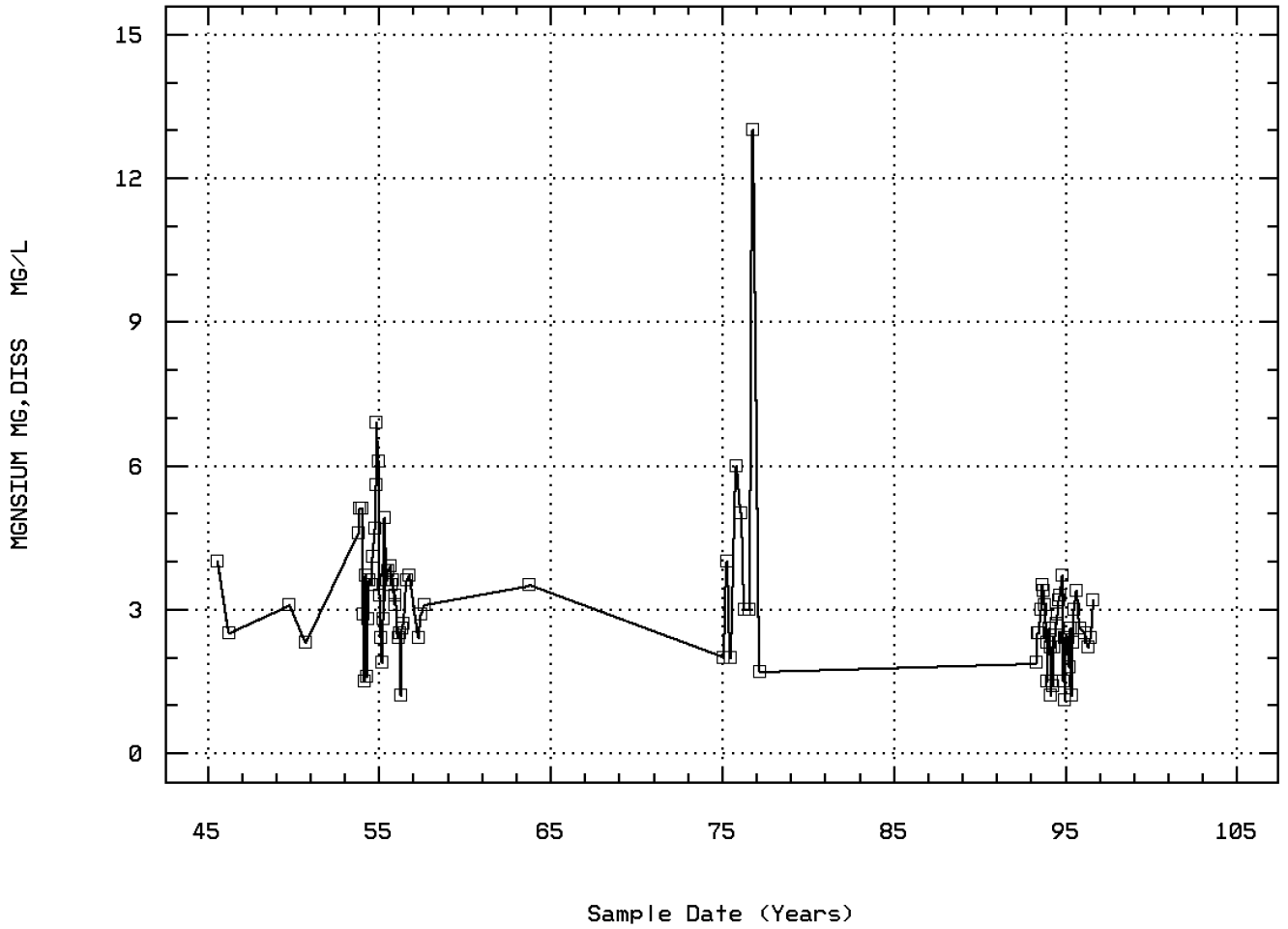
BUFFALO RIVER NEAR ST. JOE, ARK.



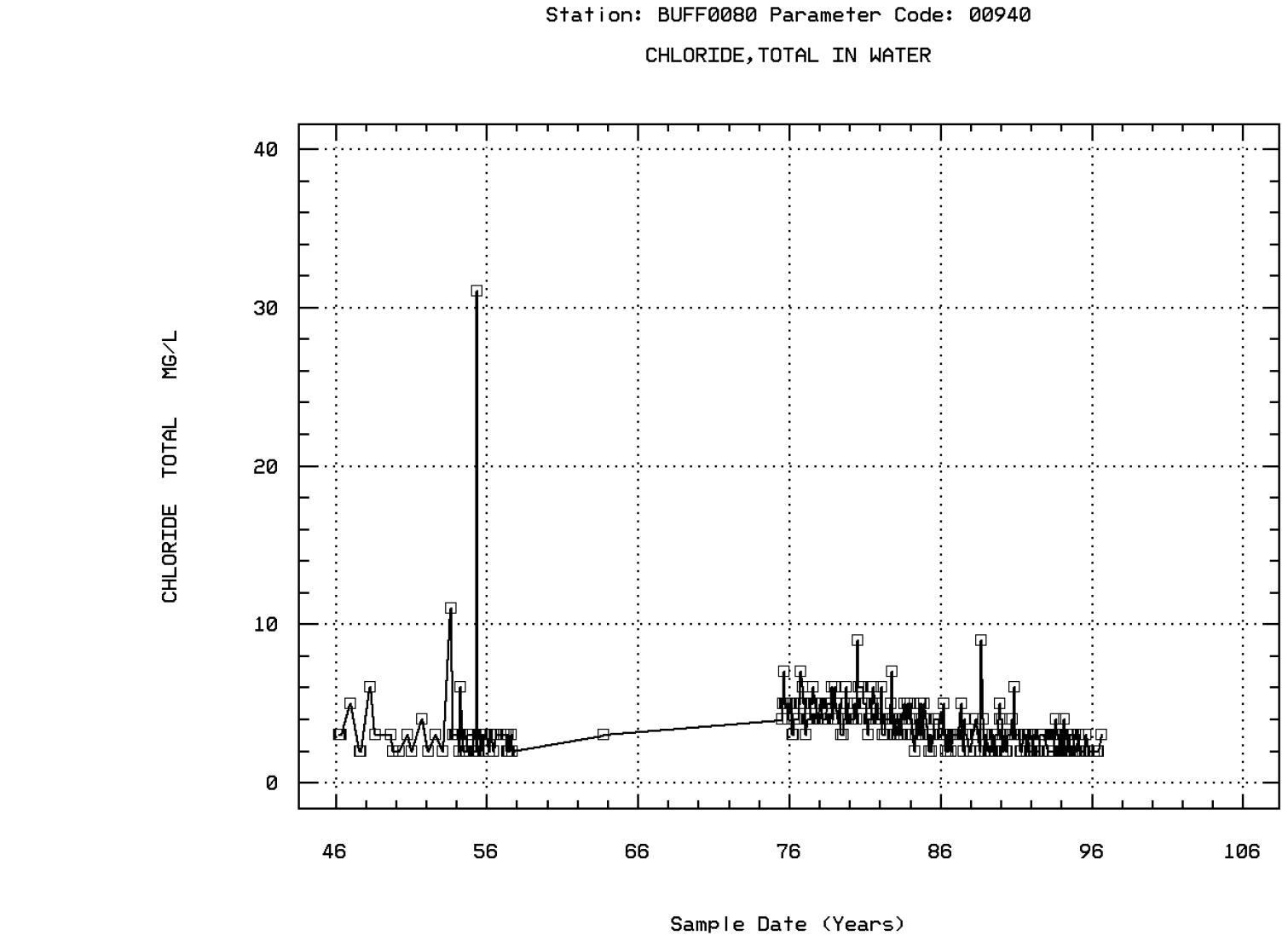
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00925

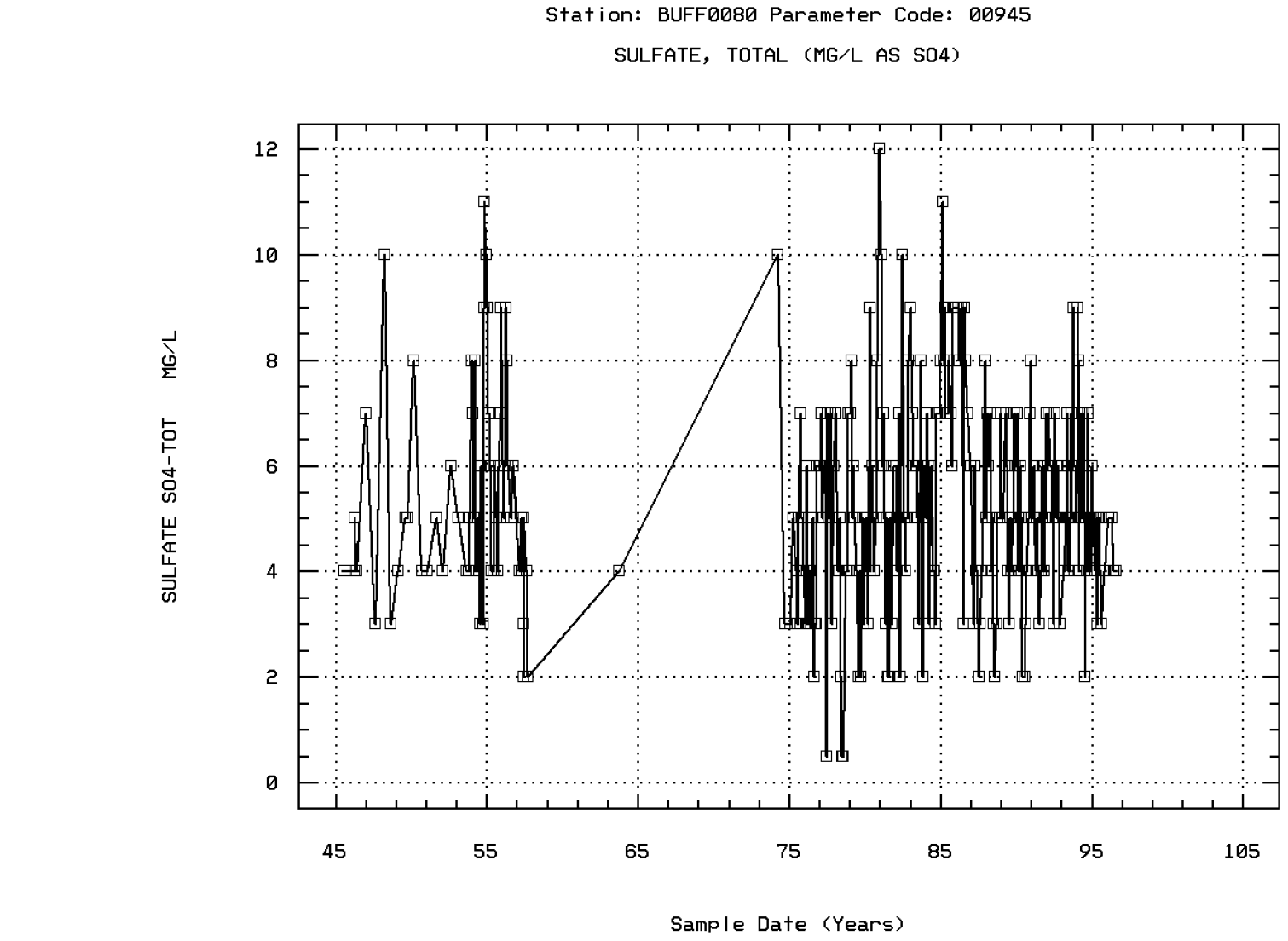
MAGNESIUM, DISSOLVED (MG/L AS MG)



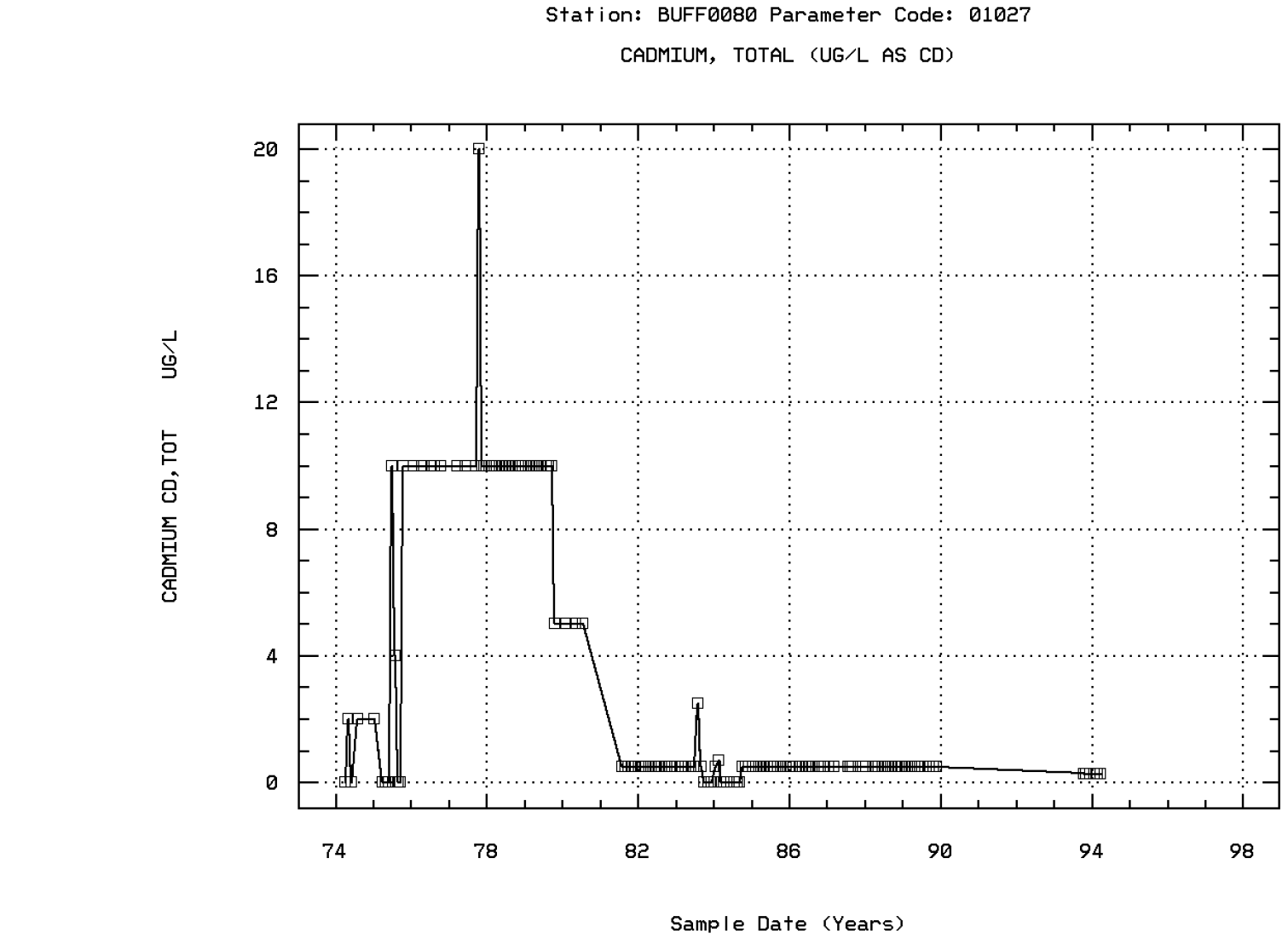
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.



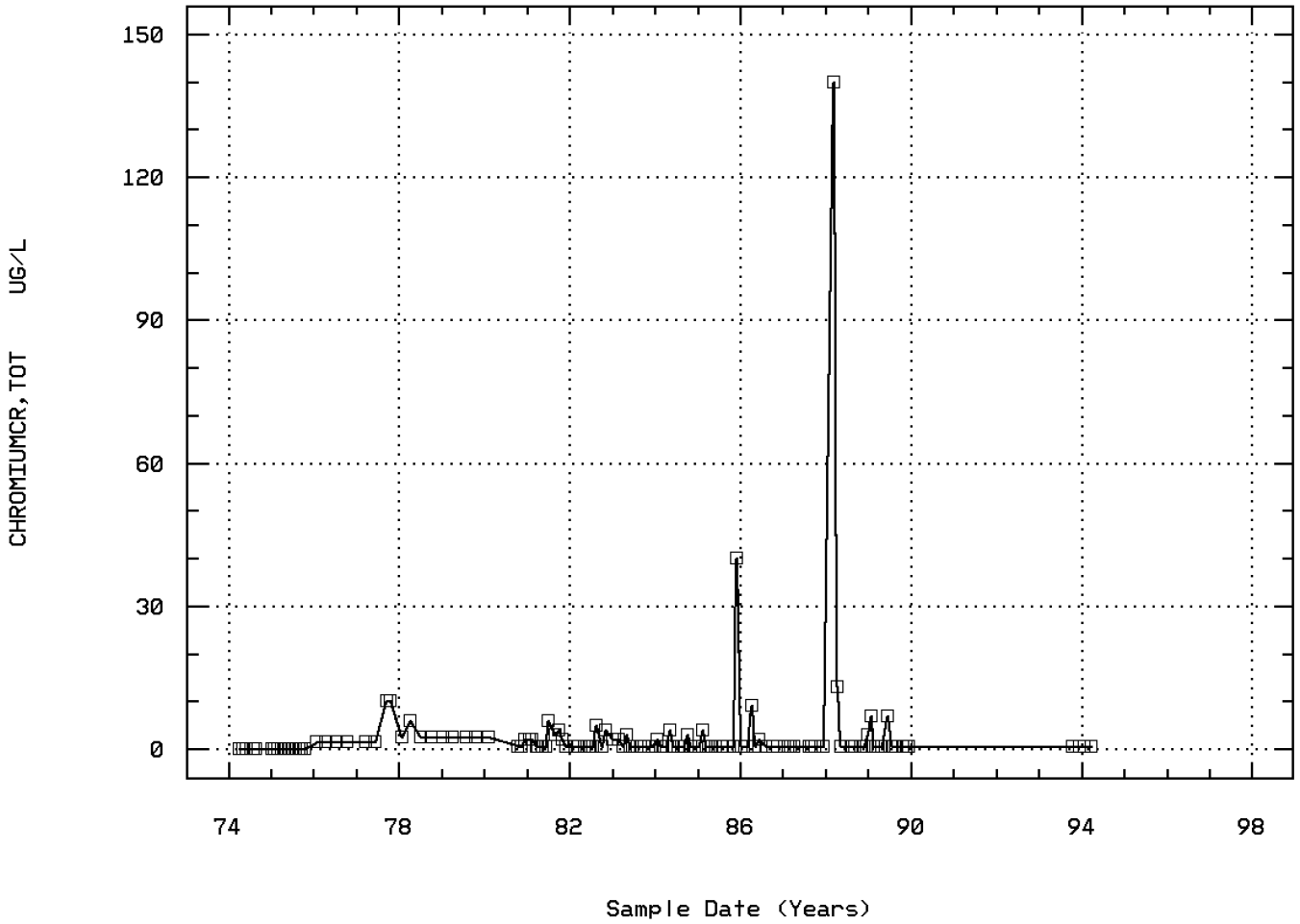
BUFFALO RIVER NEAR ST. JOE, ARK.



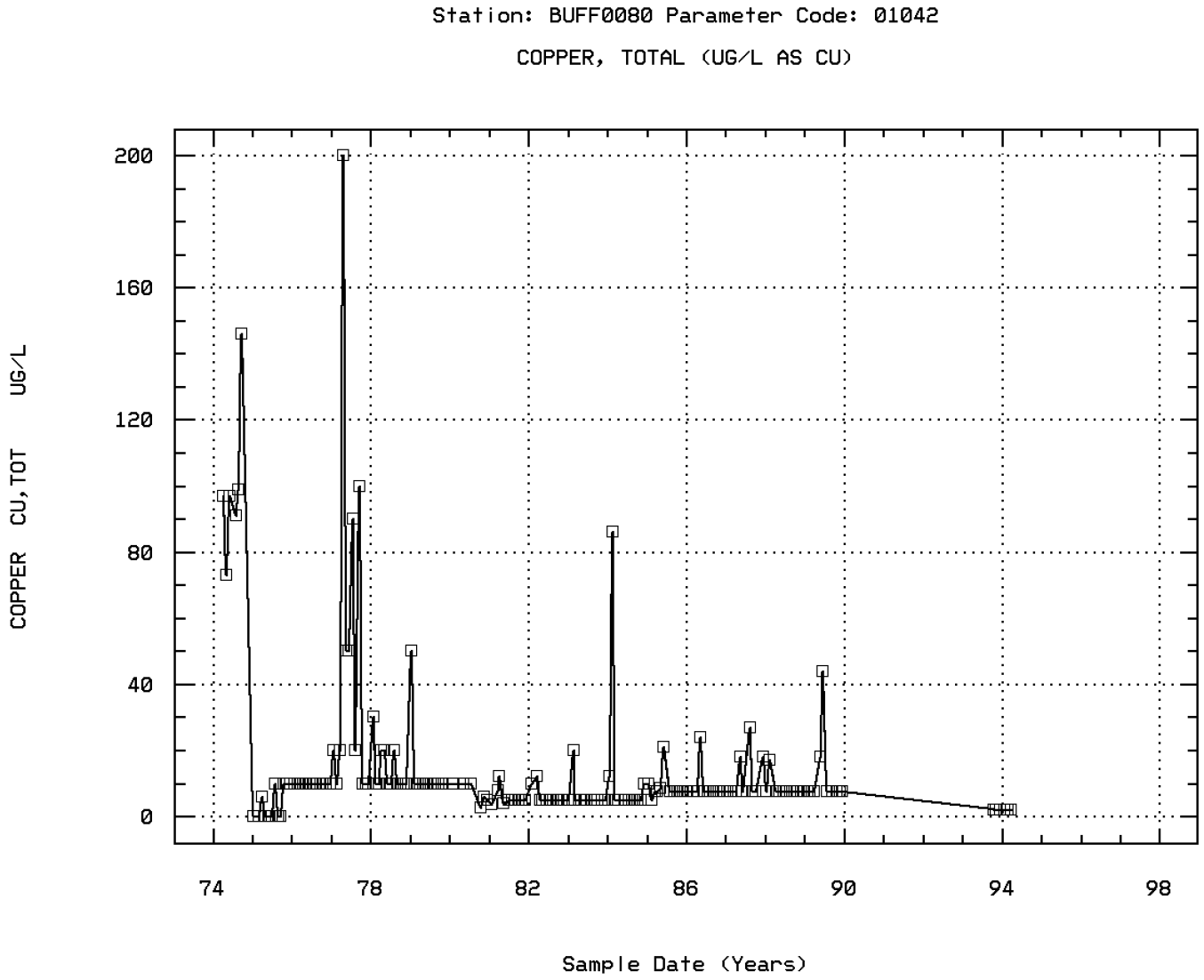
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 01034

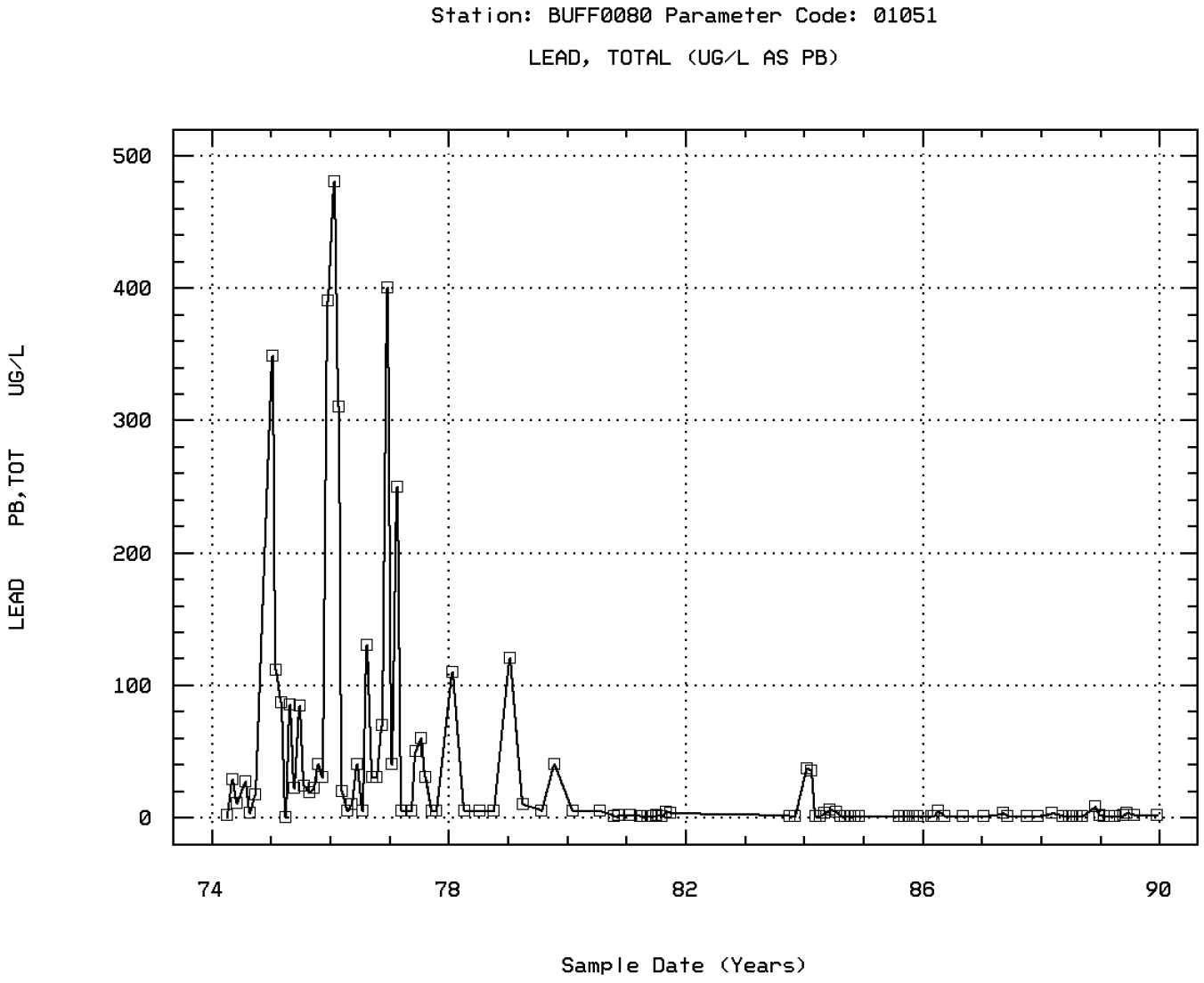
CHROMIUM, TOTAL (UG/L AS CR)



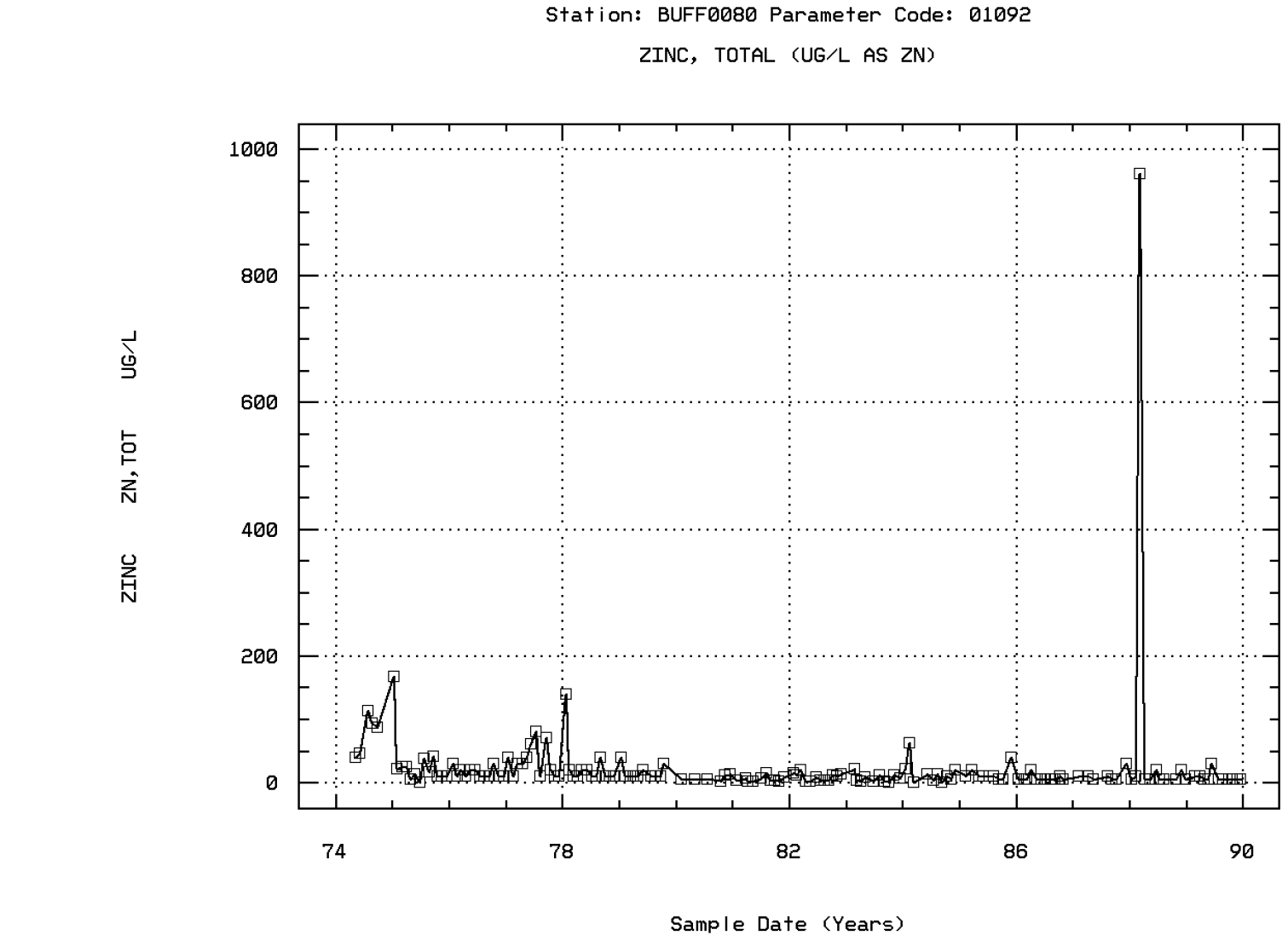
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.



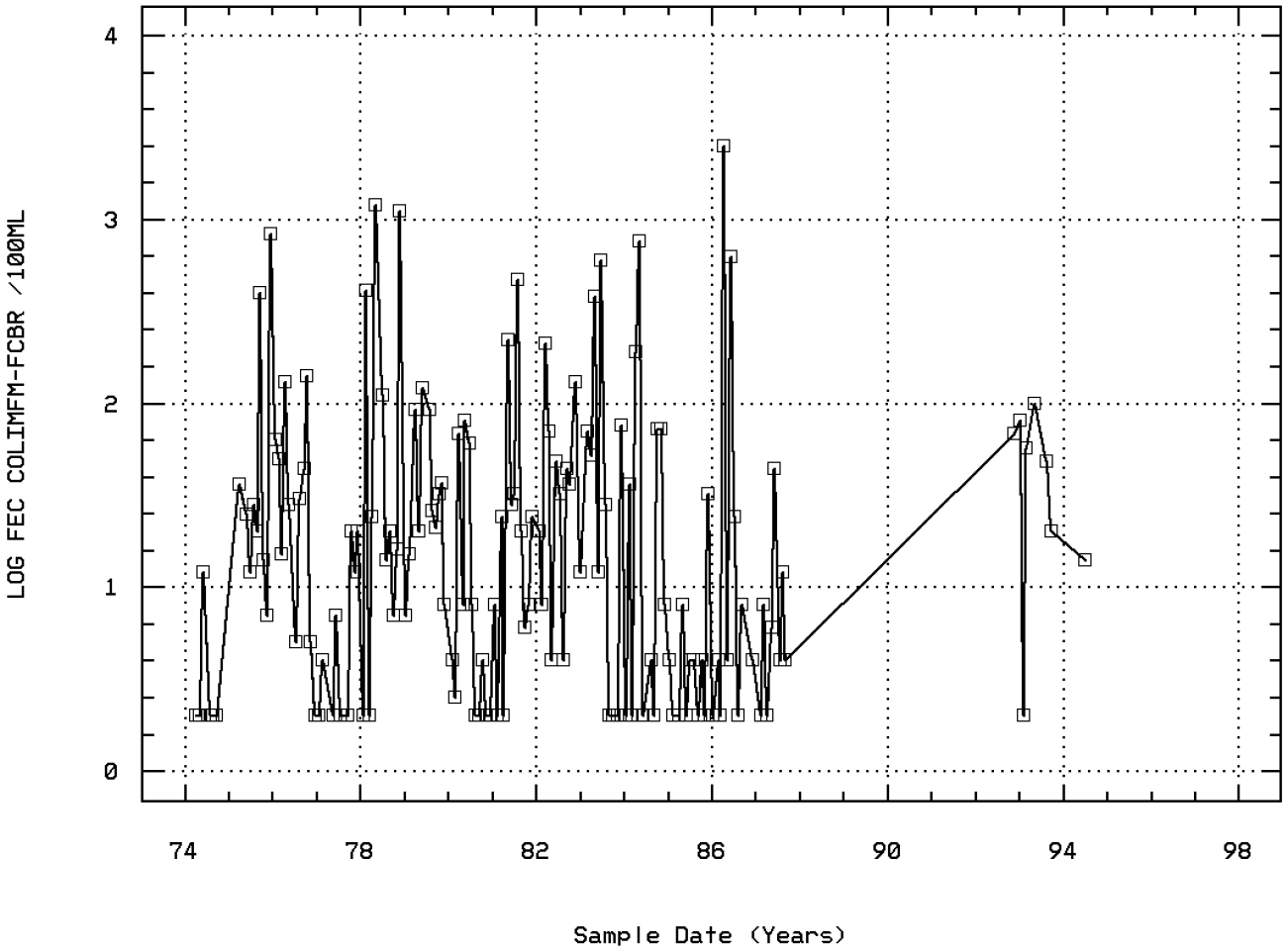
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 31616

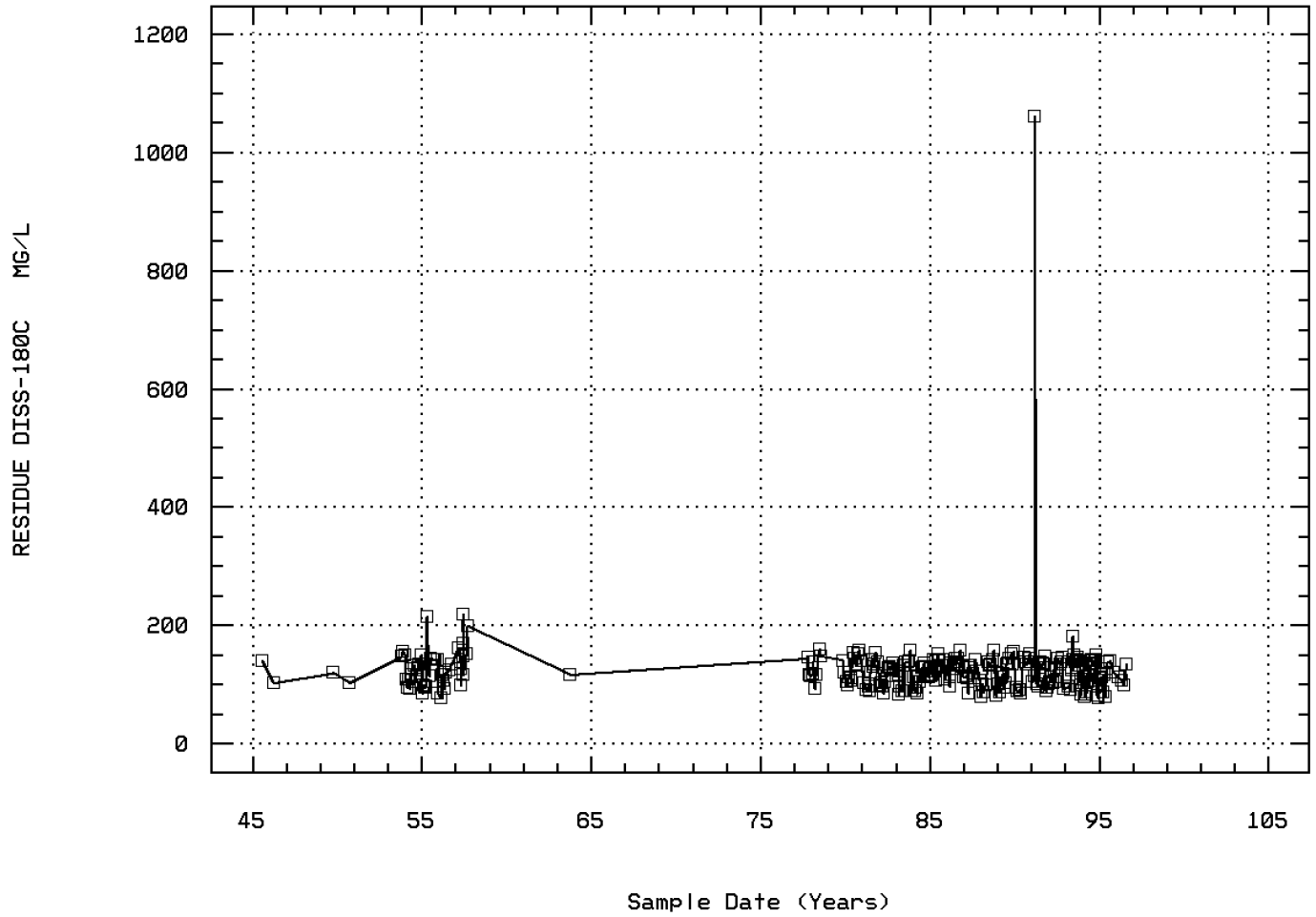
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 70300

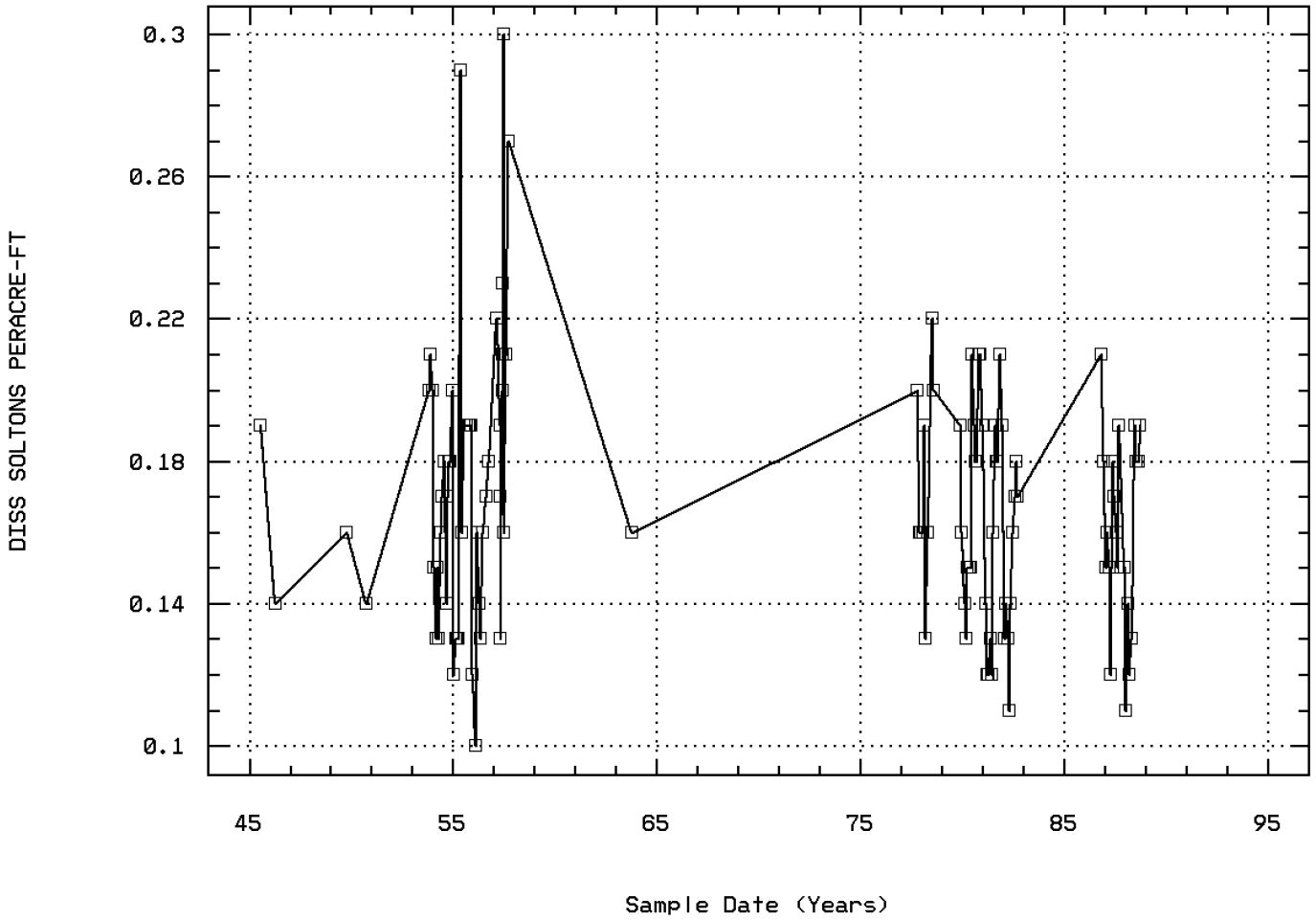
RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 70303

SOLIDS, DISSOLVED-TONS PER ACRE-FT



BUFFALO RIVER NEAR ST. JOE, ARK.

Annual Analysis for 1945 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	1	239.	239.	239.	239.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	1	129.	129.	129.	129.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	1	140.	140.	140.	140.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**

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

Annual Analysis for 1946 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	3	19.	19.667	21.	19.	1.333	1.155	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	3	220.	206.667	220.	180.	533.333	23.094	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	3	123.	111.333	123.	88.	408.333	20.207	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	3	3.	3.	3.	3.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	3	4.	4.333	5.	4.	0.333	0.577	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	1	102.	102.	102.	102.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**

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

Annual Analysis for 1947 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	3	31.	23.	31.	7.	192.	13.856	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	3	225.	216.	225.	198.	243.	15.588	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	3	100.	97.333	100.	92.	21.333	4.619	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	3	2.	3.	5.	2.	3.	1.732	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	3	3.	4.333	7.	3.	5.333	2.309	**	**	**	**

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

Annual Analysis for 1948 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	2	21.5	21.5	26.	17.	40.5	6.364	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	2	188.5	188.5	217.	160.	1624.5	40.305	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	2	67.5	67.5	99.	36.	1984.5	44.548	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	2	6.5	6.5	10.	3.	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 1949 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	2	20.5	20.5	24.	17.	24.5	4.95	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	3	239.	233.333	281.	180.	2574.333	50.738	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	3	105.	101.333	105.	94.	40.333	6.351	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	3	5.	4.667	5.	4.	0.333	0.577	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	1	119.	119.	119.	119.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**

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

Annual Analysis for 1950 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	2	164.	164.	164.	164.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	2	7.8	7.8	7.9	7.7	0.02	0.141	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	2	7.789	7.789	7.9	7.7	0.02	0.142	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	2	0.016	0.016	0.02	0.013	0.	0.005	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	2	88.	88.	92.	84.	32.	5.657	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	2	6.	6.	8.	4.	8.	2.828	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	1	102.	102.	102.	102.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**

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

Annual Analysis for 1951 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	2	193.5	193.5	238.	149.	3960.5	62.933	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	2	8.4	8.4	8.5	8.3	0.02	0.141	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	2	8.389	8.389	8.5	8.3	0.02	0.142	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	2	0.004	0.004	0.005	0.003	0.	0.001	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	2	100.	100.	127.	73.	1458.	38.184	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	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 box-and-whisker plot

Annual Analysis for 1952 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	2	202.5	202.5	225.	180.	1012.5	31.82	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	2	8.4	8.4	8.6	8.2	0.08	0.283	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	2	8.355	8.355	8.6	8.2	0.084	0.29	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	2	0.004	0.004	0.006	0.003	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	2	114.	114.	123.	105.	162.	12.728	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	2	5.	5.	6.	4.	2.	1.414	**	**	**	**

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

Annual Analysis for 1953 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	3	12.	11.	16.	5.	31.	5.568	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	3	3.	3.	3.	3.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	5	247.	229.8	260.	150.	2033.2	45.091	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	5	7.9	7.96	8.4	7.7	0.073	0.27	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	5	7.9	7.904	8.4	7.7	0.077	0.277	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	5	0.013	0.012	0.02	0.004	0.	0.006	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	5	126.	115.4	136.	70.	729.8	27.015	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	3	45.	44.667	46.	43.	2.333	1.528	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	3	5.1	4.933	5.1	4.6	0.083	0.289	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	3	2.1	2.067	2.1	2.	0.003	0.058	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	3	1.	0.933	1.	0.8	0.013	0.115	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	5	3.	4.4	11.	2.	13.8	3.715	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	5	5.	5.2	8.	4.	2.7	1.643	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	3	4.1	4.333	4.9	4.	0.243	0.493	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	3	20.	16.667	30.	0.	233.333	15.275	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	3	150.	151.333	156.	148.	17.333	4.163	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	3	0.2	0.203	0.21	0.2	0.	0.006	**	**	**	**

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

Annual Analysis for 1954 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	9	13.	15.778	31.	7.	67.694	8.228	7.	9.5	22.	31.
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	12	5.	7.25	18.	5.	25.295	5.029	5.	5.	5.75	18.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	12	205.	197.333	233.	138.	1067.333	32.67	142.2	164.25	224.5	232.7
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.65	7.725	8.4	7.	0.269	0.519	7.06	7.225	8.325	8.4
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.647	7.487	8.4	7.	0.331	0.575	7.06	7.225	8.325	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.023	0.033	0.1	0.004	0.001	0.031	0.004	0.005	0.06	0.089
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	12	103.	97.417	121.	64.	350.083	18.711	65.5	82.	110.75	120.7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	12	35.	32.583	39.	23.	26.083	5.107	23.6	28.	36.5	38.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	12	3.65	3.917	6.9	1.5	2.814	1.678	1.53	2.825	5.375	6.66
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	12	1.9	2.133	4.2	1.3	0.786	0.887	1.36	1.6	2.075	4.05
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	10	1.	0.95	1.3	0.7	0.027	0.165	0.71	0.8	1.	1.27
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	3.	2.917	6.	2.	1.174	1.084	2.	2.	3.	5.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	5.5	6.25	11.	3.	7.477	2.734	3.	4.	8.75	10.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	9	0.1	0.133	0.3	0.	0.013	0.112	0.	0.05	0.25	0.3
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	10	4.65	4.28	6.2	1.2	2.126	1.458	1.39	3.475	5.4	6.15
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	9	0.	20.	100.	0.	1075.	32.787	0.	0.	30.	100.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	120.5	118.667	149.	92.	304.424	17.448	92.9	105.	132.75	144.5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	12	0.165	0.162	0.2	0.13	0.	0.022	0.13	0.143	0.18	0.194

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

Annual Analysis for 1955 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	10	13.5	14.5	24.	7.	55.611	7.457	7.	7.	22.25	23.9
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	12	5.	8.667	36.	4.	78.788	8.876	4.3	5.	7.75	28.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	12	212.5	207.75	307.	131.	3008.205	54.847	137.3	155.75	248.75	291.1
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.9	7.842	8.3	7.	0.15	0.387	7.15	7.525	8.175	8.3
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.9	7.658	8.3	7.	0.187	0.432	7.15	7.525	8.175	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.013	0.022	0.1	0.005	0.001	0.026	0.005	0.007	0.03	0.079
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	12	107.	104.333	142.	63.	805.879	28.388	66.3	77.	129.25	139.9
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	12	37.	36.333	49.	22.	108.788	10.43	22.9	26.5	46.5	48.7
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	12	3.4	3.342	4.9	1.9	0.584	0.765	2.05	2.875	3.75	4.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	12	1.65	1.742	2.8	1.1	0.257	0.507	1.13	1.4	2.2	2.62
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	2.5	4.833	31.	2.	68.152	8.255	2.	2.	3.	22.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	6.	6.167	9.	4.	3.061	1.749	4.	4.25	7.	9.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	127.5	124.75	214.	85.	1378.386	37.127	85.	94.75	142.	192.7
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	12	0.175	0.169	0.29	0.12	0.002	0.049	0.12	0.13	0.19	0.26

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

Annual Analysis for 1956 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	6	23.	20.5	28.	11.	42.7	6.535	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	6	5.	5.	5.	5.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	7	188.	189.857	233.	138.	1060.476	32.565	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	7	8.	7.943	8.3	7.3	0.116	0.341	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	7	8.	7.806	8.3	7.3	0.138	0.371	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	7	0.01	0.016	0.05	0.005	0.	0.016	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	7	98.	96.714	120.	70.	287.238	16.948	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	7	36.	34.286	42.	24.	38.238	6.184	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	7	2.6	2.671	3.7	1.2	0.699	0.836	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	7	2.	1.929	2.3	1.1	0.149	0.386	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	2	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	7	3.	2.429	3.	1.	0.619	0.787	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	7	6.	6.429	9.	5.	2.286	1.512	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	7	116.	109.571	133.	77.	376.952	19.415	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	7	0.16	0.149	0.18	0.1	0.001	0.027	**	**	**	**

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

Annual Analysis for 1957 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	3	8.	11.	20.	5.	63.	7.937	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	11	236.	240.091	348.	126.	3704.491	60.865	137.2	201.	269.	341.6
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	11	8.	7.964	8.6	7.3	0.113	0.335	7.36	7.8	8.1	8.52
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	11	8.	7.84	8.6	7.3	0.129	0.36	7.36	7.8	8.1	8.52
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	11	0.01	0.014	0.05	0.003	0.	0.013	0.003	0.008	0.016	0.045
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	11	126.	130.818	204.	62.	1445.964	38.026	67.	120.	144.	197.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	3	30.	31.333	43.	21.	122.333	11.06	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	3	2.9	2.8	3.1	2.4	0.13	0.361	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	3	2.4	2.733	3.4	2.4	0.333	0.577	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	3	1.2	1.2	1.4	1.	0.04	0.2	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	11	2.	2.364	3.	2.	0.255	0.505	2.	2.	3.	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	11	4.	3.727	5.	2.	1.618	1.272	2.	2.	5.	5.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	11	152.	153.	219.	98.	1210.	34.785	101.6	126.	169.	214.8
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	11	0.21	0.208	0.3	0.13	0.002	0.048	0.136	0.17	0.23	0.294

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

Annual Analysis for 1963 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	1	214.	214.	214.	214.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	1	116.	116.	116.	116.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**

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

Annual Analysis for 1974 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	6	16.5	17.	24.	10.	25.6	5.06	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	6	20.	18.833	26.	12.	26.167	5.115	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	3	400.	293.333	410.	70.	37433.333	193.477	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	6	5.	5.	10.	0.	10.	3.162	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	6	176.	193.	249.	159.	1536.4	39.197	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	6	8.75	8.283	9.9	5.7	2.294	1.514	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	6	88.	83.833	89.	67.	72.567	8.519	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	6	0.25	0.407	1.1	0.05	0.17	0.412	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	6	7.905	7.883	8.08	7.6	0.029	0.172	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	6	7.905	7.853	8.08	7.6	0.031	0.175	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	6	0.012	0.014	0.025	0.008	0.	0.006	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	6	3.5	5.5	18.	0.	41.5	6.442	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	6	0.27	0.32	0.88	0.05	0.1	0.316	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	6 ##	0.008	0.013	0.04	0.005	0.	0.014	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	2	87.	87.	94.	80.	98.	9.899	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	2	6.5	6.5	10.	3.	24.5	4.95	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	5 ##	1.	1.	2.	0.	1.	1.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	5 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	6	97.	100.5	146.	73.	588.7	24.263	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	6	172.5	236.667	686.	33.	57609.067	240.019	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	6	14.	14.833	29.	2.	134.567	11.6	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	6	71.5	62.833	97.	6.	1022.167	31.971	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	5	87.	76.	113.	40.	1002.5	31.662	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	6 ##	2.	3.667	12.	2.	16.667	4.082	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	6 ##	0.301	0.431	1.079	0.301	0.101	0.318	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.696								

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

Annual Analysis for 1975 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	20	12.5	14.2	27.	4.	63.958	7.997	4.2	6.25	21.5	26.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	18	14.	13.944	29.	-3.	117.114	10.822	0.	6.25	23.5	28.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	21	436.	963.714	4680.	38.	1822190.614	1349.885	52.8	122.5	1595.	3954.
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	13	5.	11.923	40.	0.	160.577	12.672	0.	5.	17.5	38.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	13	179.	183.231	247.	120.	2189.026	46.787	122.4	145.5	238.5	246.2
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	9.3	9.342	11.7	6.3	3.668	1.915	6.51	7.55	11.15	11.7
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	12	87.	85.25	90.	76.	26.932	5.19	76.	81.	89.	90.
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	13	0.8	0.746	1.	0.5	0.024	0.156	0.54	0.6	0.9	0.96
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	13	7.84	7.828	8.	7.42	0.029	0.169	7.496	7.76	7.965	8.
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	13	7.84	7.794	8.	7.42	0.03	0.173	7.496	7.76	7.965	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	13	0.014	0.016	0.038	0.01	0.	0.008	0.01	0.011	0.017	0.033
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	13	6.	7.538	19.	2.	26.103	5.109	2.4	4.5	9.	18.2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	13 ##	0.05	0.145	0.42	0.05	0.016	0.128	0.05	0.05	0.25	0.38
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	13 ##	0.005	0.012	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.032
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	4	91.	96.	130.	72.	674.667	25.974	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	3	37.	34.667	42.	25.	76.333	8.737	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	4	3.	3.5	6.	2.	3.667	1.915	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	7	5.	5.	7.	4.	1.	1.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	9	5.	4.556	7.	3.	1.528	1.236	3.	3.5	5.	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	11 ##	1.	2.545	10.	0.	15.073	3.882	0.	0.	4.	10.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	11 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	13 ##	0.	3.615	10.	0.	22.256	4.718	0.	0.	10.	10.
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	13	194.	441.462	1332.	5.	218372.436	467.303	16.6	74.5	893.5	1239.2
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	13	40.	97.154	390.	0.	15814.308	125.755	7.6	22.	99.	373.6
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	13	36.	38.615	64.	2.	294.256	17.154	10.4	27.5	53.	61.6
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	13	16.	29.231	167.	0.	1858.192	43.107	2.	10.	31.5	116.6
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	9	25.	152.	830.	7.	80159.25	283.124	7.	13.	216.	830.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	9	1.398	1.588	2.919	0.845	0.492	0.701	0.845	1.113	2.077	2.919
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			38.702								

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Annual Analysis for 1976 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	21	15.	14.595	27.	2.	53.59	7.321	5.	7.25	20.5	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	17	18.	15.735	28.	-3.	87.129	9.334	0.8	12.	23.	28.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	21	233.	333.048	1290.	25.	112097.448	334.81	28.4	87.5	481.	904.6
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	11	10.	8.182	15.	0.	31.364	5.6	0.	0.	10.	15.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	12	233.5	235.75	291.	155.	1575.114	39.688	165.5	211.75	270.	287.1
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	8.6	9.058	12.1	6.4	4.768	2.184	6.46	7.05	11.375	11.95
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	12	86.	83.75	97.	70.	84.75	9.206	70.6	73.5	90.5	96.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.05	1.1	2.3	0.6	0.202	0.449	0.63	0.8	1.275	2.03
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.1	8.067	8.2	7.9	0.006	0.078	7.93	8.	8.1	8.17
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.1	8.06	8.2	7.9	0.006	0.078	7.93	8.	8.1	8.17
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.008	0.009	0.013	0.006	0.	0.002	0.007	0.008	0.01	0.012
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	8.	9.5	18.	2.	38.091	6.172	2.3	3.25	15.75	18.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	12 ##	0.075	0.103	0.33	0.05	0.007	0.083	0.05	0.05	0.123	0.285
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	12 ##	0.005	0.013	0.07	0.005	0.	0.019	0.005	0.005	0.01	0.055
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	4	110.	124.5	180.	98.	1467.667	38.31	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	4	39.	39.75	51.	30.	80.25	8.958	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	4	4.	6.	13.	3.	22.667	4.761	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	4.5	4.583	7.	3.	1.356	1.165	3.	4.	5.	6.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	3.	3.917	6.	2.	2.083	1.443	2.3	3.	5.75	6.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	12 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.

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Annual Analysis for 1976 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	12	125.	176.833	370.	10.	15230.879	123.413	20.2	88.5	285.	367.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	12	35.	127.5	480.	5.	28834.091	169.806	5.	12.5	265.	456.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	12	27.	30.042	55.	13.5	312.203	17.669	13.5	13.5	47.5	53.8
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	12 ##	10.	15.833	30.	10.	62.879	7.93	10.	10.	20.	30.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	30.	46.545	140.	2.	2303.673	47.997	2.6	5.	63.	138.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	1.477	1.382	2.146	0.301	0.362	0.602	0.381	0.699	1.799	2.14
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			24.095								

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Annual Analysis for 1977 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	19	20.5	17.684	31.	0.	102.534	10.126	3.	8.	26.5	30.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	8	17.5	18.5	34.	5.	118.929	10.905	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	21	134.	302.	1130.	1.	91903.2	303.155	58.6	91.5	517.5	793.6
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	12	0.	1.667	10.	0.	10.606	3.257	0.	0.	3.75	8.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	12	217.	211.5	256.	152.	1413.364	37.595	152.9	182.	247.	255.7
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	9.6	9.567	13.8	6.9	4.499	2.121	7.02	7.7	11.325	13.29
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	12	92.	93.5	126.	81.	121.182	11.008	82.8	88.25	94.75	117.
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	11	0.9	1.236	3.3	0.6	0.613	0.783	0.62	0.7	1.6	3.
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	10	8.	8.04	8.2	7.9	0.012	0.107	7.9	7.975	8.125	8.2
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	10	8.	8.028	8.2	7.9	0.012	0.108	7.9	7.975	8.125	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	10	0.01	0.009	0.013	0.006	0.	0.002	0.006	0.008	0.011	0.013
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	4.	4.375	8.	0.5	5.688	2.385	0.65	2.5	6.75	7.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	9 ##	0.05	0.069	0.16	0.02	0.003	0.057	0.02	0.025	0.135	0.16
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/77-09/16/80	10 ##	0.025	0.027	0.05	0.01	0.	0.014	0.01	0.021	0.031	0.05
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	11	0.09	0.097	0.27	0.025	0.006	0.074	0.026	0.05	0.11	0.254
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	2	0.6	0.6	0.7	0.5	0.02	0.141	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	3	0.19	0.193	0.27	0.12	0.006	0.075	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	11	0.01	0.015	0.03	0.005	0.	0.009	0.005	0.01	0.02	0.03
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	3	140.	124.667	150.	84.	1265.333	35.572	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	4.5	4.5	6.	3.	0.636	0.798	3.3	4.	5.	5.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	11	6.	5.318	7.	0.5	3.914	1.978	1.	5.	7.	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	6 ##	10.	11.667	20.	10.	16.667	4.082	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	4 ##	5.75	5.75	10.	1.5	24.083	4.907	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	12	20.	49.167	200.	10.	3244.697	56.962	10.	10.	80.	170.
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	12	105.	135.	310.	40.	8390.909	91.602	43.	62.5	205.	301.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	9	30.	50.	250.	5.	6087.5	78.022	5.	5.	55.	250.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	12	43.	49.	130.	4.	1226.727	35.025	6.1	27.	73.75	115.3
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	12	30.	34.167	80.	10.	608.333	24.664	10.	10.	55.	77.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	10	5.5	8.1	20.	2.	52.1	7.218	2.	2.	14.	20.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	10	0.724	0.733	1.301	0.301	0.179	0.423	0.301	0.301	1.135	1.301
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.411								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	3	117.	125.333	145.	114.	292.333	17.098	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	3	0.16	0.173	0.2	0.16	0.001	0.023	**	**	**	**

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

Annual Analysis for 1978 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	20	16.75	16.6	33.5	5.	67.253	8.201	6.	9.5	23.625	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	11	14.	15.955	34.	5.	117.423	10.836	5.1	6.	22.	33.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	20	234.	1185.85	12600.	33.	7672761.713	2769.975	35.1	46.	1422.5	2095.
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	12	5.	14.167	80.	0.	626.515	25.03	0.	0.	13.75	71.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	11	221.	217.909	267.	130.	1863.291	43.166	136.6	202.	262.	266.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	8.9	9.117	12.	6.5	2.952	1.718	6.74	7.925	10.85	11.85
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	12	90.5	89.667	97.	80.	22.242	4.716	80.9	87.25	92.75	96.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.35	1.8	3.9	0.9	0.807	0.898	0.93	1.15	2.4	3.57
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	3	4.	4.	7.	1.	9.	3.	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	11	7.9	7.927	8.1	7.8	0.006	0.079	7.82	7.9	8.	8.08
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	11	7.9	7.921	8.1	7.8	0.006	0.079	7.82	7.9	8.	8.08
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	11	0.013	0.012	0.016	0.008	0.	0.002	0.008	0.01	0.013	0.015
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	7.	36.5	195.	3.	3574.091	59.784	3.3	4.	49.5	170.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11	0.05	0.055	0.1	0.02	0.001	0.024	0.022	0.04	0.07	0.098
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/77-09/16/80	11	0.01	0.01	0.025	0.005	0.	0.007	0.005	0.005	0.01	0.024
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	10	0.105	0.114	0.21	0.04	0.003	0.058	0.041	0.058	0.168	0.208
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	9	0.3	0.4	1.	0.05	0.127	0.356	0.05	0.075	0.7	1.
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	9	0.12	0.131	0.22	0.05	0.004	0.063	0.05	0.075	0.2	0.22
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	12	0.025	0.059	0.23	0.01	0.005	0.07	0.01	0.01	0.09	0.206
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	4	105.	102.75	110.	91.	83.583	9.142	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	5.	4.667	6.	4.	0.424	0.651	4.	4.	5.	5.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	10	4.	3.8	7.	0.5	5.233	2.288	0.5	1.625	5.5	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	12 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	4 ##	2.5	3.375	6.	2.5	3.063	1.75	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	12 ##	10.	14.167	30.	10.	44.697	6.686	10.	10.	20.	27.
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	12	610.	1344.583	4800.	15.	2933124.811	1712.637	46.5	130.	2275.	4710.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	4 ##	5.	31.25	110.	5.	2756.25	52.5	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	12	60.5	99.5	270.	11.	8758.818	93.589	11.9	26.5	200.	261.
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	12 ##	10.	25.833	140.	10.	1371.97	37.04	10.	10.	20.	110.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	20.	264.091	1200.	2.	206450.091	454.368	2.	7.	410.	1180.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	1.301	1.568	3.079	0.301	0.992	0.996	0.301	0.845	2.613	3.072
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			37.025								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	6	127.5	128.167	159.	92.	588.567	24.26	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	6	0.175	0.177	0.22	0.13	0.001	0.033	**	**	**	**

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Annual Analysis for 1979 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	17	13.	13.912	27.5	2.	80.195	8.955	2.	6.5	22.5	27.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	17	12.	13.118	33.	-1.	126.142	11.231	0.	4.5	23.5	31.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	16	665.	1685.063	7020.	40.	5544857.396	2354.752	71.5	209.25	2140.	6621.
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	12	5.	6.25	20.	0.	32.386	5.691	0.	1.25	10.	17.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	12	203.	198.083	246.	138.	1119.902	33.465	143.4	167.	221.75	244.2
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	10.5	9.875	13.	6.7	3.922	1.98	6.91	8.025	11.55	12.67
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	12	91.	90.583	102.	82.	33.902	5.823	82.6	84.5	94.	100.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	11	1.2	1.8	6.9	0.7	3.17	1.78	0.72	0.8	1.9	6.02
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	11	4.	3.136	6.	0.5	4.205	2.05	0.6	1.	5.	5.8
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.9	7.808	7.9	7.5	0.019	0.138	7.53	7.725	7.9	7.9
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.9	7.786	7.9	7.5	0.02	0.14	7.53	7.725	7.9	7.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.013	0.016	0.032	0.013	0.	0.006	0.013	0.013	0.019	0.03
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	6.	6.167	12.	1.	11.606	3.407	1.3	4.	7.75	12.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11	0.05	0.055	0.11	0.02	0.001	0.031	0.02	0.02	0.08	0.108
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/77-09/16/80	11	0.01	0.01	0.04	0.005	0.	0.01	0.005	0.005	0.01	0.034
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	10	0.11	0.139	0.28	0.01	0.009	0.097	0.013	0.063	0.225	0.279
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	11	0.1	0.364	1.5	0.	0.248	0.498	0.01	0.05	0.6	1.42

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Annual Analysis for 1979 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	12	0.01	0.019	0.05	0.005	0.	0.014	0.007	0.01	0.03	0.044
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	4	92.5	88.75	110.	60.	472.917	21.747	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	4.	4.417	6.	3.	0.992	0.996	3.	4.	5.	6.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	4.5	4.583	8.	2.	3.356	1.832	2.	3.25	5.75	7.7
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	10 ##	10.	9.5	10.	5.	2.5	1.581	5.5	10.	10.	10.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	10 ##	10.	14.	50.	10.	160.	12.649	10.	10.	10.	46.
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	10	90.	1085.	3800.	15.	2413777.778	1553.634	15.	33.75	2750.	3770.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	4 ##	25.	43.75	120.	5.	2822.917	53.131	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	10	21.	48.4	270.	5.	6506.711	80.664	5.	5.	51.75	249.6
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	10 ##	10.	16.	40.	10.	115.556	10.75	10.	10.	22.5	39.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	26.	42.727	120.	7.	1549.418	39.363	7.2	15.	92.	114.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	1.415	1.458	2.079	0.845	0.172	0.415	0.857	1.176	1.964	2.056
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.736								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	2	129.	129.	139.	119.	200.	14.142	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	2	0.175	0.175	0.19	0.16	0.	0.021	**	**	**	**

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Annual Analysis for 1980 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	16.	15.333	27.	4.	65.333	8.083	4.3	9.	22.75	26.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	12	14.	14.167	27.	-6.	121.606	11.028	2.1	9.	26.	27.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	201.	565.917	2570.	23.	706225.72	840.372	23.	36.5	817.75	2378.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	3	2.1	2.033	2.5	1.5	0.253	0.503	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	7	10.	13.571	40.	5.	164.286	12.817	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	11	235.	214.545	275.	154.	1731.673	41.613	154.6	171.	239.	272.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	8.7	8.892	12.	6.2	4.17	2.042	6.23	6.9	10.725	11.97
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	12	88.	86.167	94.	77.	42.333	6.506	77.	79.	91.75	93.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	11	1.5	1.527	2.8	0.3	0.844	0.919	0.36	0.7	2.4	2.8
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	10	3.5	3.35	7.	0.5	6.169	2.484	0.5	0.875	5.5	7.
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	11	7.9	7.882	8.	7.7	0.01	0.098	7.72	7.8	8.	8.
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	11	7.9	7.872	8.	7.7	0.01	0.099	7.72	7.8	8.	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	11	0.013	0.013	0.02	0.01	0.	0.003	0.01	0.01	0.016	0.019
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	10	3.	4.25	14.	0.5	18.125	4.257	0.5	0.5	7.	13.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11	0.04	0.037	0.11	0.005	0.001	0.031	0.006	0.01	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/77-09/16/80	9 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	9	0.06	0.081	0.22	0.01	0.005	0.07	0.01	0.025	0.135	0.22
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	12	0.4	0.446	1.1	0.005	0.142	0.377	0.019	0.1	0.675	1.1
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	3	0.09	0.117	0.2	0.06	0.005	0.074	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	10	0.01	0.016	0.05	0.005	0.	0.014	0.005	0.005	0.023	0.048
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	3	140.	132.667	144.	114.	265.333	16.289	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	11	5.	5.364	9.	4.	2.255	1.502	4.	4.	6.	8.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	5.	5.583	12.	1.	8.447	2.906	1.6	4.	7.5	11.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	6 ##	3.	3.	5.	1.	4.8	2.191	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	4 ##	1.25	1.375	2.5	0.5	1.063	1.031	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	6 ##	8.	7.25	10.	2.5	10.375	3.221	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	2	75.	75.	80.	70.	50.	7.071	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	5 ##	2.	2.7	5.	0.5	4.7	2.168	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	3	21.	26.333	53.	5.	597.333	24.44	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	6 ##	5.	6.917	14.	1.5	21.442	4.631	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	12	4.	20.208	80.	2.	900.521	30.009	2.	2.	47.	76.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	12	0.602	0.844	1.903	0.301	0.407	0.638	0.301	0.301	1.559	1.882
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.98								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	133.	128.583	157.	99.	440.629	20.991	100.5	107.75	149.	156.1
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	12	0.18	0.174	0.21	0.13	0.001	0.029	0.133	0.15	0.205	0.21

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Annual Analysis for 1980 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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Annual Analysis for 1981 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	16.	17.	27.	1.	71.091	8.432	3.4	10.25	25.	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	12	18.5	18.	31.	2.	98.364	9.918	3.2	8.5	27.25	30.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	346.	787.917	3350.	55.	1063126.811	1031.08	58.9	162.75	1072.5	3041.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	12	1.95	3.7	20.	0.8	28.282	5.318	0.83	0.975	4.3	15.44
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	9	183.	199.556	261.	141.	1928.778	43.918	141.	163.	241.	261.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	10.2	10.033	11.2	8.5	0.844	0.919	8.53	9.425	10.9	11.14
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	12	103.5	101.833	116.	77.	131.788	11.48	81.8	94.	112.75	115.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.55	1.65	2.7	0.6	0.641	0.801	0.6	0.825	2.5	2.67
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	11	4.	4.909	11.	1.	10.091	3.177	1.2	2.	8.	10.4
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.	8.008	8.2	7.8	0.017	0.131	7.8	7.925	8.1	8.2
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.	7.99	8.2	7.8	0.018	0.133	7.8	7.925	8.1	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.01	0.01	0.016	0.006	0.	0.003	0.006	0.008	0.012	0.016
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	11	2.	4.909	16.	0.5	25.441	5.044	0.5	1.	8.	15.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11	0.03	0.04	0.1	0.005	0.001	0.027	0.006	0.02	0.06	0.092
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	10 ##	0.075	0.295	0.9	0.05	0.104	0.322	0.05	0.05	0.6	0.87
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	12	0.06	0.094	0.29	0.03	0.008	0.091	0.03	0.04	0.093	0.287
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	11	0.01	0.013	0.05	0.005	0.	0.013	0.005	0.005	0.01	0.044
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	11	122.	108.091	130.	70.	608.091	24.659	71.2	78.	130.	130.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	11	4.	4.455	6.	3.	0.673	0.82	3.2	4.	5.	5.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	5.	5.	10.	2.	5.273	2.296	2.	3.	6.	9.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	11 ##	1.	0.773	1.	0.5	0.068	0.261	0.5	0.5	1.	1.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	12	1.5	1.875	6.	0.5	3.006	1.734	0.5	0.5	2.75	5.4
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	10 ##	5.	5.75	12.	3.5	6.181	2.486	3.55	4.75	5.75	11.6
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	10 ##	0.75	1.45	4.	0.5	1.581	1.257	0.5	0.5	2.25	3.9
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	10 ##	3.5	5.25	15.	1.5	18.792	4.335	1.5	1.5	7.5	14.4
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	12	22.	70.333	470.	2.	19406.424	139.307	2.	6.5	31.	395.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	12	1.341	1.268	2.672	0.301	0.511	0.715	0.301	0.809	1.491	2.573
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.531								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	11	119.	116.636	153.	89.	563.655	23.741	89.2	91.	137.	150.8
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	11	0.16	0.158	0.21	0.12	0.001	0.033	0.12	0.12	0.19	0.206
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	12	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01

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

Annual Analysis for 1982 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	19.	18.083	27.	6.	48.265	6.947	6.9	12.	24.5	26.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	12	22.	20.333	31.	3.	63.333	7.958	5.7	15.25	27.25	30.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	684.5	989.833	3140.	62.	1088235.606	1043.185	73.7	183.25	1470.	3047.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	11	3.8	5.291	15.	2.	17.205	4.148	2.	2.2	8.	14.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	9.25	9.667	12.5	8.3	1.508	1.228	8.33	8.85	10.325	12.11
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	12	99.5	100.083	110.	94.	23.72	4.87	94.3	96.25	104.25	108.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.6	1.975	5.6	0.6	1.828	1.352	0.69	1.05	2.65	4.79
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	11	5.	5.091	9.	2.	5.291	2.3	2.	3.	7.	8.8
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.9	7.875	8.	7.6	0.013	0.114	7.66	7.8	7.975	8.
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.9	7.86	8.	7.6	0.013	0.115	7.66	7.8	7.975	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.013	0.014	0.025	0.01	0.	0.004	0.01	0.011	0.016	0.022

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Annual Analysis for 1982 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	3.5	4.083	10.	0.5	10.402	3.225	0.5	1.25	7.5	9.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	12	0.02	0.027	0.08	0.01	0.	0.02	0.01	0.01	0.038	0.068
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	10	0.15	0.175	0.4	0.05	0.016	0.125	0.05	0.05	0.3	0.39
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	12	0.075	0.116	0.35	0.01	0.015	0.121	0.01	0.025	0.235	0.332
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	11	0.01	0.019	0.05	0.005	0.	0.015	0.006	0.01	0.03	0.048
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	11	86.	93.636	120.	70.	427.055	20.665	70.4	74.	116.	120.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	11	4.	4.273	7.	3.	1.618	1.272	3.	3.	5.	6.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	11	5.	5.545	10.	2.	4.673	2.162	2.4	4.	7.	9.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	12 ##	0.5	0.542	1.	0.5	0.021	0.144	0.5	0.5	0.5	0.85
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	11 ##	0.5	1.364	5.	0.5	2.505	1.583	0.5	0.5	1.	4.8
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	11 ##	5.	6.091	12.	5.	6.091	2.468	5.	5.	5.	11.6
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	12	9.5	8.667	20.	1.5	36.379	6.031	1.5	3.	12.75	18.5
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	36.	55.091	210.	4.	3957.091	62.905	4.	8.	70.	194.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	1.556	1.461	2.322	0.602	0.322	0.568	0.602	0.903	1.845	2.281
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.935								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	11	114.	112.909	136.	84.	279.491	16.718	86.4	99.	128.	134.8
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	9	0.14	0.148	0.18	0.11	0.001	0.023	0.11	0.13	0.17	0.18
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	12 ##	0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.009	0.024

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Annual Analysis for 1983 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	14.	16.333	29.	7.	53.152	7.291	7.3	11.25	22.75	28.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	12	14.	16.25	29.	3.	83.114	9.117	3.6	7.75	25.	29.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	992.5	1241.25	4260.	30.	1935161.841	1391.101	30.3	60.75	1820.	4041.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	12	3.75	8.925	40.	1.3	139.077	11.793	1.33	1.725	8.8	35.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	3	254.	222.667	255.	159.	3040.333	55.139	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	9.9	9.925	11.9	7.5	2.326	1.525	7.5	8.975	11.275	11.87
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	4	96.5	98.25	105.	95.	20.917	4.573	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.45	1.467	2.9	0.3	0.737	0.858	0.33	0.6	2.275	2.75
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	10	3.5	4.15	10.	0.5	8.558	2.925	0.55	1.75	6.25	9.7
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.8	7.825	8.2	7.5	0.035	0.186	7.56	7.7	7.975	8.14
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.8	7.79	8.2	7.5	0.036	0.19	7.56	7.7	7.975	8.14
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.016	0.016	0.032	0.006	0.	0.007	0.007	0.011	0.02	0.028
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	4.	7.	29.	0.5	94.136	9.702	0.5	2.	4.75	28.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	12	0.035	0.035	0.1	0.005	0.001	0.026	0.007	0.013	0.05	0.085
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	10	0.25	0.36	1.1	0.05	0.104	0.323	0.05	0.163	0.475	1.06
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	9	0.1	0.106	0.17	0.05	0.003	0.051	0.05	0.055	0.165	0.17
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	11	0.02	0.031	0.09	0.005	0.001	0.028	0.006	0.01	0.05	0.086
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	4	84.	85.5	102.	72.	177.	13.304	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	4.	3.833	5.	3.	0.515	0.718	3.	3.	4.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	11	6.	5.818	9.	2.	3.964	1.991	2.2	5.	7.	8.8
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	11 ##	0.5	0.591	2.5	0.	0.491	0.701	0.	0.	0.5	2.2
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	12 ##	0.5	1.	3.	0.5	0.727	0.853	0.5	0.5	1.75	2.7
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	11 ##	5.	6.364	20.	5.	20.455	4.523	5.	5.	5.	17.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	10	4.5	6.45	21.	0.	42.525	6.521	0.15	1.5	11.	20.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	12	20.	103.833	600.	2.	35417.061	188.194	2.	4.	74.5	534.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	12	1.263	1.359	2.778	0.301	0.708	0.842	0.301	0.476	1.872	2.719
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.858								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	118.	115.417	157.	83.	645.902	25.415	84.5	89.	137.75	151.6
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	12	0.01	0.017	0.04	0.005	0.	0.014	0.005	0.005	0.03	0.04

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Annual Analysis for 1984 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	16.	17.583	31.	3.	80.811	8.989	4.5	10.25	26.5	30.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	12	22.	20.75	42.	-3.	150.568	12.271	-0.2	16.75	29.	38.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	792.	2556.75	19600.	32.	30061242.023	5482.813	41.6	113.	2097.5	14854.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	11	3.3	14.327	100.	1.6	851.656	29.183	1.68	2.2	8.	85.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	10	190.	184.	232.	114.	1611.556	40.144	116.1	154.5	221.75	231.8
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	11	10.3	10.591	12.8	8.9	1.801	1.342	8.96	9.3	11.3	12.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.25	1.392	2.9	0.4	0.65	0.806	0.46	0.775	1.9	2.87
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	12	3.3	4.967	20.	0.5	29.786	5.458	0.5	2.	5.75	17.
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.9	7.9	8.4	7.4	0.082	0.286	7.46	7.7	8.075	8.37
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.9	7.817	8.4	7.4	0.089	0.299	7.46	7.7	8.075	8.37
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.013	0.015	0.04	0.004	0.	0.01	0.004	0.008	0.02	0.035
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	4.	16.417	144.	2.	1631.72	40.395	2.	2.	6.75	105.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	9	0.02	0.027	0.08	0.005	0.001	0.028	0.005	0.005	0.05	0.08
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	11	0.1	0.236	1.	0.05	0.084	0.289	0.05	0.05	0.4	0.88
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	11	0.12	0.144	0.27	0.05	0.007	0.083	0.05	0.06	0.24	0.266
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	11	0.03	0.045	0.16	0.01	0.002	0.045	0.01	0.02	0.07	0.144
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	2	90.	90.	100.	80.	200.	14.142	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	3.5	3.75	5.	2.	1.114	1.055	2.3	3.	5.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	10	5.5	5.2	7.	3.	2.622	1.619	3.	3.75	7.	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	11	0.	0.245	0.7	0.	0.083	0.288	0.	0.	0.5	0.66
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	12 ##	0.5	1.125	4.	0.5	1.46	1.208	0.5	0.5	1.625	3.7
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	11 ##	5.	13.455	86.	5.	584.873	24.184	5.	5.	10.	71.2
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	12 ##	0.5	7.375	37.	0.5	182.188	13.498	0.5	0.5	5.5	36.4
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	10	11.5	15.	63.	0.	340.667	18.457	0.	3.	20.25	58.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	12	9.	96.667	760.	2.	46675.152	216.044	2.	2.	72.	589.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	12	0.952	1.178	2.881	0.301	0.79	0.889	0.301	0.301	1.857	2.7
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.077								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	113.	112.	136.	85.	272.727	16.514	86.2	96.5	127.75	133.9
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	10	0.01	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.013	0.029

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

Annual Analysis for 1985 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	17.	17.75	30.	5.	80.386	8.966	5.6	8.5	27.5	29.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	9	25.	23.	37.	4.	147.5	12.145	4.	12.5	35.	37.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	680.	712.	2120.	43.	484536.	696.086	44.2	53.75	1035.	1979.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	11	2.	2.355	8.	1.	3.803	1.95	1.	1.	2.4	6.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	9	244.	220.778	249.	147.	1363.944	36.932	147.	188.5	245.5	249.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	10.7	10.908	13.8	8.7	3.001	1.732	8.7	9.45	12.75	13.62
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	11	1.6	1.864	3.4	0.5	0.785	0.886	0.64	1.3	2.6	3.34
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	9	2.	2.556	4.	1.	1.528	1.236	1.	1.5	4.	4.
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.1	8.033	8.27	7.7	0.046	0.215	7.7	7.823	8.2	8.261
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.089	7.982	8.27	7.7	0.049	0.222	7.7	7.822	8.2	8.261
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.008	0.01	0.02	0.005	0.	0.005	0.005	0.006	0.015	0.02
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	2.	2.958	15.	0.5	15.43	3.928	0.5	0.875	2.75	11.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11 ##	0.005	0.006	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.017
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	11 ##	0.05	0.082	0.2	0.05	0.003	0.051	0.05	0.05	0.1	0.19
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	12	0.085	0.12	0.35	0.03	0.01	0.098	0.033	0.05	0.183	0.317
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	10	0.025	0.022	0.04	0.005	0.	0.014	0.005	0.009	0.033	0.04
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	12	115.	109.833	130.	74.	241.061	15.526	80.	100.	120.	127.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	11	3.	3.273	4.	2.	0.618	0.786	2.	3.	4.	4.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	11	8.	8.091	11.	6.	1.891	1.375	6.2	7.	9.	10.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	11 ##	0.5	4.455	40.	0.5	140.073	11.835	0.5	0.5	1.	32.8
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	11 ##	7.5	8.818	21.	5.	17.664	4.203	5.5	7.5	8.5	18.8

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Annual Analysis for 1985 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	11	1.	0.773	1.	0.5	0.068	0.261	0.5	0.5	1.	1.
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	8	10.	13.75	40.	5.	133.929	11.573	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	4.	6.	32.	2.	77.6	8.809	2.	2.	4.	27.2
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	0.602	0.575	1.505	0.301	0.135	0.368	0.301	0.301	0.602	1.385
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.756								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	131.	129.667	151.	106.	203.515	14.266	106.6	118.25	141.	148.3
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	12	0.02	0.016	0.04	0.005	0.	0.01	0.005	0.006	0.02	0.034

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Annual Analysis for 1986 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	18.5	18.583	27.	9.	42.265	6.501	9.3	11.75	24.	26.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	152.	2624.667	25500.	43.	53325084.97	7302.403	44.5	57.	447.5	19140.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	12	2.	19.233	190.	1.	2937.562	54.199	1.	1.	2.	140.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	9	210.	200.	245.	116.	1628.25	40.352	116.	174.	232.	245.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	9.2	9.6	11.9	7.6	1.955	1.398	7.75	8.525	10.925	11.69
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	11	1.9	1.945	4.3	0.9	0.923	0.961	0.92	1.3	2.3	4.
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	9	3.	7.5	35.	0.5	113.875	10.671	0.5	2.5	8.	35.
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	11	8.05	8.108	8.84	7.78	0.079	0.28	7.802	7.91	8.17	8.728
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	11	8.05	8.047	8.84	7.78	0.083	0.287	7.802	7.91	8.17	8.728
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	11	0.009	0.009	0.017	0.001	0.	0.004	0.002	0.007	0.012	0.016
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	2.	22.667	228.	0.	4240.015	65.115	0.15	0.625	3.	168.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11	0.03	0.039	0.1	0.005	0.001	0.03	0.005	0.01	0.06	0.094
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	9	0.1	0.244	1.	0.05	0.092	0.304	0.05	0.075	0.3	1.
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	6	0.11	0.207	0.58	0.05	0.044	0.21	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	12	0.02	0.047	0.32	0.005	0.008	0.088	0.005	0.013	0.028	0.245
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	12	120.	110.167	130.	68.	405.424	20.135	73.4	93.	127.5	130.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	11	3.	2.909	5.	2.	0.691	0.831	2.	2.	3.	4.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	10	8.5	7.8	9.	3.	3.511	1.874	3.4	7.	9.	9.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	10 ##	0.75	1.65	9.	0.5	6.892	2.625	0.5	0.5	1.25	8.3
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	11 ##	7.5	9.	24.	7.5	24.75	4.975	7.5	7.5	7.5	20.7
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	12	1.	1.167	5.	0.5	1.515	1.231	0.5	0.5	1.	3.8
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	11 ##	5.	6.818	20.	5.	21.364	4.622	5.	5.	5.	18.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	4.	289.091	2500.	2.	571589.091	756.035	2.	2.	24.	2124.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	11	0.602	1.108	3.398	0.301	1.093	1.045	0.301	0.301	1.38	3.277
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.81								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	11	134.	131.818	158.	97.	265.164	16.284	100.2	126.	144.	155.2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	2	0.195	0.195	0.21	0.18	0.	0.021	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	9	0.02	0.018	0.04	0.005	0.	0.012	0.005	0.008	0.025	0.04

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Annual Analysis for 1987 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	11	17.	18.545	30.	7.	81.673	9.037	7.2	9.	28.	29.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	11	212.	265.545	730.	27.	58948.673	242.793	27.	32.	519.	693.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	10	1.85	3.07	15.	1.	17.876	4.228	1.	1.225	2.425	13.75
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	9	11.3	11.133	12.8	9.3	1.525	1.235	9.3	9.8	12.1	12.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	11	1.6	1.455	2.1	0.	0.415	0.644	0.14	1.1	2.	2.08
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	11	8.17	8.242	8.72	8.03	0.05	0.223	8.034	8.06	8.38	8.684
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	11	8.17	8.198	8.72	8.03	0.052	0.228	8.034	8.06	8.38	8.684

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Annual Analysis for 1987 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	11	0.007	0.006	0.009	0.002	0.	0.003	0.002	0.004	0.009	0.009
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	11	3.	3.045	7.	0.5	5.123	2.263	0.6	1.	4.	7.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11	0.02	0.025	0.04	0.005	0.	0.014	0.005	0.01	0.04	0.04
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	8	0.09	0.098	0.17	0.04	0.002	0.049	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	9	0.01	0.019	0.06	0.005	0.	0.017	0.005	0.01	0.025	0.06
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	11	100.	99.818	120.	82.	165.164	12.852	82.8	86.	110.	118.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	10	3.	3.1	5.	2.	0.767	0.876	2.	2.75	3.25	4.9
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	9	4.	4.444	8.	2.	3.528	1.878	2.	3.	6.	8.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	8 ##	0.5	0.625	1.	0.5	0.054	0.231	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	9 ##	0.5	0.556	1.	0.5	0.028	0.167	0.5	0.5	0.5	1.
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	9 ##	7.5	12.	27.	7.5	52.313	7.233	7.5	7.5	18.	27.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	9	1.	1.	3.	0.5	0.625	0.791	0.5	0.5	1.	3.
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	7	10.	10.714	30.	5.	78.571	8.864	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	8	5.	10.25	44.	2.	197.071	14.038	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	8	0.69	0.776	1.643	0.301	0.196	0.443	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.974								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	10	113.5	115.9	142.	85.	241.433	15.538	87.2	109.25	128.25	141.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	10	0.155	0.158	0.19	0.12	0.	0.019	0.123	0.15	0.173	0.189
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	10 ##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01

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Annual Analysis for 1988 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	13.5	16.833	31.	4.	89.424	9.456	4.9	9.25	27.25	30.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	387.	740.667	2780.	36.	858367.152	926.481	36.3	60.5	1201.25	2624.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	11	2.	3.145	9.	1.5	5.423	2.329	1.5	1.5	4.5	8.2
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	10.45	10.442	13.4	7.3	2.27	1.507	7.99	9.7	10.875	13.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.55	1.492	2.8	0.6	0.41	0.64	0.63	0.925	1.95	2.59
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	11	8.07	8.037	8.36	7.51	0.051	0.226	7.578	7.88	8.19	8.332
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	11	8.07	7.974	8.36	7.51	0.056	0.236	7.578	7.88	8.19	8.332
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	11	0.009	0.011	0.031	0.004	0.	0.007	0.005	0.006	0.013	0.028
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	2.	2.5	7.	0.5	3.5	1.871	0.5	1.	3.75	6.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	9	0.02	0.032	0.08	0.005	0.001	0.028	0.005	0.01	0.06	0.08
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	9	0.06	0.116	0.49	0.01	0.023	0.151	0.01	0.025	0.145	0.49
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	11	0.01	0.015	0.04	0.005	0.	0.011	0.006	0.01	0.02	0.038
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	3	2.7	2.667	4.	1.3	1.823	1.35	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	8	110.	105.75	120.	84.	250.786	15.836	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	11	3.	3.091	9.	1.	4.891	2.212	1.	2.	4.	8.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	5.	4.917	7.	2.	2.811	1.676	2.3	3.25	6.75	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	9 ##	0.5	17.722	140.	0.5	2119.194	46.035	0.5	0.5	8.	140.
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	10 ##	7.5	8.45	17.	7.5	9.025	3.004	7.5	7.5	7.5	16.05
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	9 ##	0.5	1.833	8.	0.5	6.125	2.475	0.5	0.5	2.5	8.
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	11 ##	5.	95.	960.	5.	82340.	286.949	5.	5.	20.	772.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	11	119.	114.909	157.	79.	735.891	27.127	79.2	87.	137.	154.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	8	0.16	0.155	0.19	0.11	0.001	0.033	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	11	0.01	0.015	0.05	0.005	0.	0.016	0.005	0.005	0.02	0.048

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Annual Analysis for 1989 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	19.	17.25	27.	4.	64.386	8.024	4.9	9.25	23.75	27.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	12	359.	1186.833	6050.	29.	3459069.97	1859.858	29.6	38.5	1795.	5288.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	11	1.5	4.282	20.	0.5	33.128	5.756	0.58	1.	5.5	17.7
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	12	9.3	9.917	13.2	8.1	2.822	1.68	8.1	8.625	11.325	12.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.45	1.542	3.4	0.4	0.779	0.883	0.49	0.825	2.175	3.16
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.205	8.146	8.34	7.47	0.052	0.229	7.647	8.112	8.27	8.325
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.204	8.065	8.34	7.47	0.059	0.244	7.647	8.112	8.27	8.325
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.006	0.009	0.034	0.005	0.	0.008	0.005	0.005	0.008	0.026
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	2.5	5.667	25.	1.	51.879	7.203	1.	1.	8.75	21.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	12 ##	0.025	0.04	0.14	0.005	0.002	0.04	0.007	0.025	0.038	0.128
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	11	0.03	0.049	0.2	0.005	0.004	0.063	0.006	0.01	0.05	0.188
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	11 ##	0.015	0.024	0.05	0.005	0.	0.016	0.006	0.015	0.04	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	10	3.1	3.21	4.4	1.1	0.894	0.946	1.27	2.8	4.	4.36
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	3.	2.833	5.	2.	0.879	0.937	2.	2.	3.	4.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	11	5.	5.182	7.	3.	1.564	1.25	3.2	4.	6.	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	11 ##	0.5	1.727	7.	0.5	6.818	2.611	0.5	0.5	1.	7.
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	10 ##	7.5	12.2	44.	7.5	135.733	11.65	7.5	7.5	10.125	41.4
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	10 ##	1.	1.35	3.	0.5	0.725	0.851	0.5	0.5	2.	2.9
01092p	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	10 ##	5.	8.5	30.	5.	61.389	7.835	5.	5.	10.	28.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	125.5	122.333	156.	87.	538.788	23.212	89.1	100.75	141.25	154.8
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	11 ##	0.015	0.016	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.038

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Annual Analysis for 1990 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	16.5	18.	30.	9.	57.455	7.58	9.3	11.25	26.5	29.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	8	554.5	1458.875	5170.	66.	4126907.554	2031.479	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	5	7.	12.54	25.	2.	132.608	11.516	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	10	10.15	10.02	11.6	8.7	0.795	0.892	8.73	9.	10.525	11.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.3	1.558	3.5	0.4	1.09	1.044	0.43	0.7	2.475	3.38
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	10	8.19	8.207	8.53	7.89	0.046	0.214	7.9	8.028	8.37	8.529
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	10	8.19	8.162	8.53	7.89	0.048	0.219	7.9	8.028	8.37	8.529
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	10	0.006	0.007	0.013	0.003	0.	0.003	0.003	0.004	0.009	0.013
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	3.5	7.417	28.	0.5	78.22	8.844	0.5	2.25	14.75	25.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11 ##	0.025	0.03	0.05	0.025	0.	0.01	0.025	0.025	0.025	0.05
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	12	0.105	0.133	0.54	0.01	0.019	0.139	0.01	0.06	0.15	0.432
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	12 ##	0.028	0.04	0.09	0.015	0.001	0.03	0.015	0.015	0.06	0.09
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	11	2.5	2.709	4.6	0.8	1.647	1.283	0.88	1.6	4.	4.5
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	3.	3.167	6.	2.	1.242	1.115	2.	2.25	3.75	5.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	4.5	4.75	8.	2.	3.841	1.96	2.	3.25	6.75	7.7
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	10	135.5	120.8	151.	85.	742.178	27.243	85.3	90.25	144.25	150.4
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	10 ##	0.015	0.015	0.015	0.015	0.	0.	0.015	0.015	0.015	0.015

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Annual Analysis for 1991 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	16.5	18.25	31.	9.	54.205	7.362	9.3	11.	24.75	30.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	3	1340.	1982.	4570.	36.	5448412.	2334.183	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	11	10.7	10.618	12.5	9.3	1.234	1.111	9.32	9.6	11.6	12.36
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	12	1.	1.183	3.1	0.1	0.669	0.818	0.19	0.7	1.75	2.71

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Annual Analysis for 1991 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.2	8.275	8.6	8.	0.04	0.201	8.	8.125	8.475	8.57
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	8.2	8.234	8.6	8.	0.042	0.205	8.	8.125	8.475	8.57
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.006	0.006	0.01	0.003	0.	0.003	0.003	0.003	0.008	0.01
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	12	2.	2.708	8.	0.5	4.93	2.22	0.65	1.	4.5	7.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	12 ##	0.025	0.037	0.08	0.025	0.001	0.022	0.025	0.025	0.051	0.08
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	12	0.05	0.099	0.3	0.01	0.011	0.107	0.01	0.02	0.2	0.291
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	12	0.023	0.038	0.11	0.	0.001	0.034	0.005	0.015	0.058	0.104
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	12	2.45	2.858	5.5	1.1	1.832	1.353	1.28	1.9	3.425	5.44
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	3.	2.583	3.	2.	0.265	0.515	2.	2.	3.	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	5.	4.75	6.	3.	0.932	0.965	3.3	4.	5.75	6.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	121.5	195.25	1060.	88.	74543.295	273.026	90.1	98.	137.25	786.1
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	11 ##	0.015	0.02	0.04	0.015	0.	0.009	0.015	0.015	0.03	0.038

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Annual Analysis for 1992 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	12	20.5	18.75	30.	11.	40.75	6.384	11.3	12.	23.5	28.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	13	491.	925.923	5390.	66.	2026420.244	1423.524	76.	212.5	828.5	3990.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	11	9.9	10.345	12.8	8.7	1.681	1.296	8.76	9.4	11.	12.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	11	0.6	0.855	1.9	0.3	0.283	0.532	0.3	0.5	1.1	1.86
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.95	7.983	8.4	7.5	0.08	0.282	7.5	7.9	8.2	8.37
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	12	7.947	7.894	8.4	7.5	0.088	0.297	7.5	7.9	8.2	8.37
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	12	0.011	0.013	0.032	0.004	0.	0.009	0.004	0.006	0.013	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	11	1.	18.773	180.	0.5	2872.918	53.6	0.5	0.5	5.	146.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	11 ##	0.025	0.029	0.07	0.025	0.	0.014	0.025	0.025	0.025	0.061
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	11	0.05	0.099	0.49	0.03	0.018	0.134	0.03	0.04	0.1	0.418
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	12 ##	0.015	0.048	0.33	0.015	0.008	0.09	0.015	0.015	0.039	0.246
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	12	4.55	4.467	8.9	1.6	5.168	2.273	1.6	2.525	5.5	8.54
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	12	2.	2.333	3.	1.	0.424	0.651	1.3	2.	3.	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	12	6.	5.5	7.	3.	1.909	1.382	3.	5.	6.75	7.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	1	68.	68.	68.	68.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	1	1.833	1.833	1.833	1.833	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			68.								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	12	119.	119.083	145.	92.	342.083	18.495	94.7	102.5	136.	144.7
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	11 ##	0.015	0.023	0.079	0.015	0.	0.02	0.015	0.015	0.015	0.071

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Annual Analysis for 1993 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	17	20.	19.312	31.	7.	64.071	8.004	7.	12.	26.25	27.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	23	453.	1136.348	4580.	51.	1899076.692	1378.07	63.8	97.	1860.	3490.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	9	214.	211.889	250.	141.	1387.611	37.251	141.	186.5	247.	250.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	17	9.4	8.671	12.5	2.8	5.121	2.263	5.68	7.3	9.9	11.54
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	8	0.95	0.875	1.3	0.1	0.145	0.381	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	18	7.8	7.803	8.58	7.	0.153	0.391	7.09	7.638	8.092	8.265
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	18	7.8	7.626	8.58	7.	0.186	0.431	7.09	7.638	8.092	8.265
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	18	0.016	0.024	0.1	0.003	0.001	0.026	0.006	0.008	0.023	0.081
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	9	2.	6.278	24.	0.5	65.382	8.086	0.5	0.5	11.	24.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	8	0.061	0.054	0.091	0.025	0.001	0.026	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	9 ##	0.1	0.111	0.2	0.1	0.001	0.033	0.1	0.1	0.1	0.2
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	9	0.03	0.073	0.22	0.01	0.007	0.085	0.01	0.01	0.16	0.22

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Annual Analysis for 1993 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	18 ##	0.015	0.017	0.059	0.005	0.	0.017	0.005	0.005	0.015	0.055
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	9	3.7	3.644	6.9	1.2	2.863	1.692	1.2	2.35	4.65	6.9
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	9	41.	38.111	44.	25.	41.611	6.451	25.	33.	43.	44.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	9	2.5	2.633	3.5	1.5	0.458	0.676	1.5	2.1	3.25	3.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	9	1.5	1.622	2.	1.2	0.069	0.264	1.2	1.45	1.85	2.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	9	0.9	0.856	1.2	0.6	0.04	0.201	0.6	0.65	1.	1.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	18	3.	2.5	4.	1.	0.618	0.786	1.	2.	3.	3.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	18	6.	5.667	9.	4.	1.529	1.237	4.	5.	6.	7.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	9	0.1	0.078	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	9	6.1	6.9	9.6	5.2	2.203	1.484	5.2	5.85	8.05	9.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	9	8.	16.833	73.	1.5	489.25	22.119	1.5	4.5	19.	73.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	6	52.5	51.167	100.	2.	1329.767	36.466	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	6	1.719	1.49	2.	0.301	0.397	0.63	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.93								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	18	134.5	128.	180.	83.	592.941	24.35	90.2	105.5	141.25	152.1
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	9 ##	0.015	0.018	0.041	0.015	0.	0.009	0.015	0.015	0.015	0.041

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

Annual Analysis for 1994 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	22	14.95	16.355	26.6	6.9	46.731	6.836	7.53	9.525	23.125	25.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	11	17.3	16.7	25.5	4.6	45.832	6.77	5.68	10.8	24.	25.28
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	24	585.5	2502.917	16600.	35.	20208037.645	4495.335	47.	88.25	3257.5	10805.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	14	193.5	189.429	273.	113.	2617.033	51.157	114.5	136.25	235.25	256.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	20	9.2	9.165	13.1	6.7	2.727	1.651	7.	7.575	10.175	11.44
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	9	0.7	0.811	1.9	0.1	0.304	0.551	0.1	0.4	1.2	1.9
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	23	7.64	7.62	8.	6.97	0.091	0.301	7.08	7.5	7.85	7.996
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	23	7.64	7.507	8.	6.97	0.104	0.323	7.08	7.5	7.85	7.996
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	23	0.023	0.031	0.107	0.01	0.001	0.027	0.01	0.014	0.032	0.085
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	9	1.	23.944	205.	0.5	4610.59	67.901	0.5	0.5	2.5	205.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	8 ##	0.025	0.032	0.079	0.025	0.	0.019	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	14 ##	0.1	0.129	0.5	0.1	0.011	0.107	0.1	0.1	0.1	0.3
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	8	0.065	0.089	0.24	0.01	0.007	0.083	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	23	0.015	0.038	0.367	0.005	0.006	0.077	0.005	0.005	0.034	0.097
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/25/88-09/27/94	8	2.3	2.375	4.6	0.5	1.325	1.151	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	14	34.	32.643	47.	19.	78.863	8.88	19.	24.	40.	44.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	14	2.3	2.279	3.7	1.1	0.703	0.839	1.15	1.475	2.975	3.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	14	1.4	1.421	2.	0.8	0.151	0.389	0.85	1.1	1.8	2.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	14	0.8	0.771	1.	0.5	0.022	0.149	0.55	0.675	0.9	1.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	23	2.	2.391	4.	1.	0.522	0.722	1.4	2.	3.	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	23	5.	5.478	9.	2.	2.352	1.534	4.	5.	7.	7.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	14 ##	0.05	0.061	0.2	0.05	0.002	0.04	0.05	0.05	0.05	0.125
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	14	6.1	6.257	8.9	3.9	2.312	1.52	3.95	5.2	7.525	8.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	14	21.	39.143	130.	4.	1522.132	39.015	6.	9.5	74.	110.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	1	1.146	1.146	1.146	1.146	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			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 1994 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	23	115.	114.739	149.	77.	497.747	22.31	79.2	103.	135.	141.6
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	9 ##	0.015	0.049	0.175	0.015	0.004	0.067	0.015	0.015	0.087	0.175

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

Annual Analysis for 1995 - Station BUFF0080

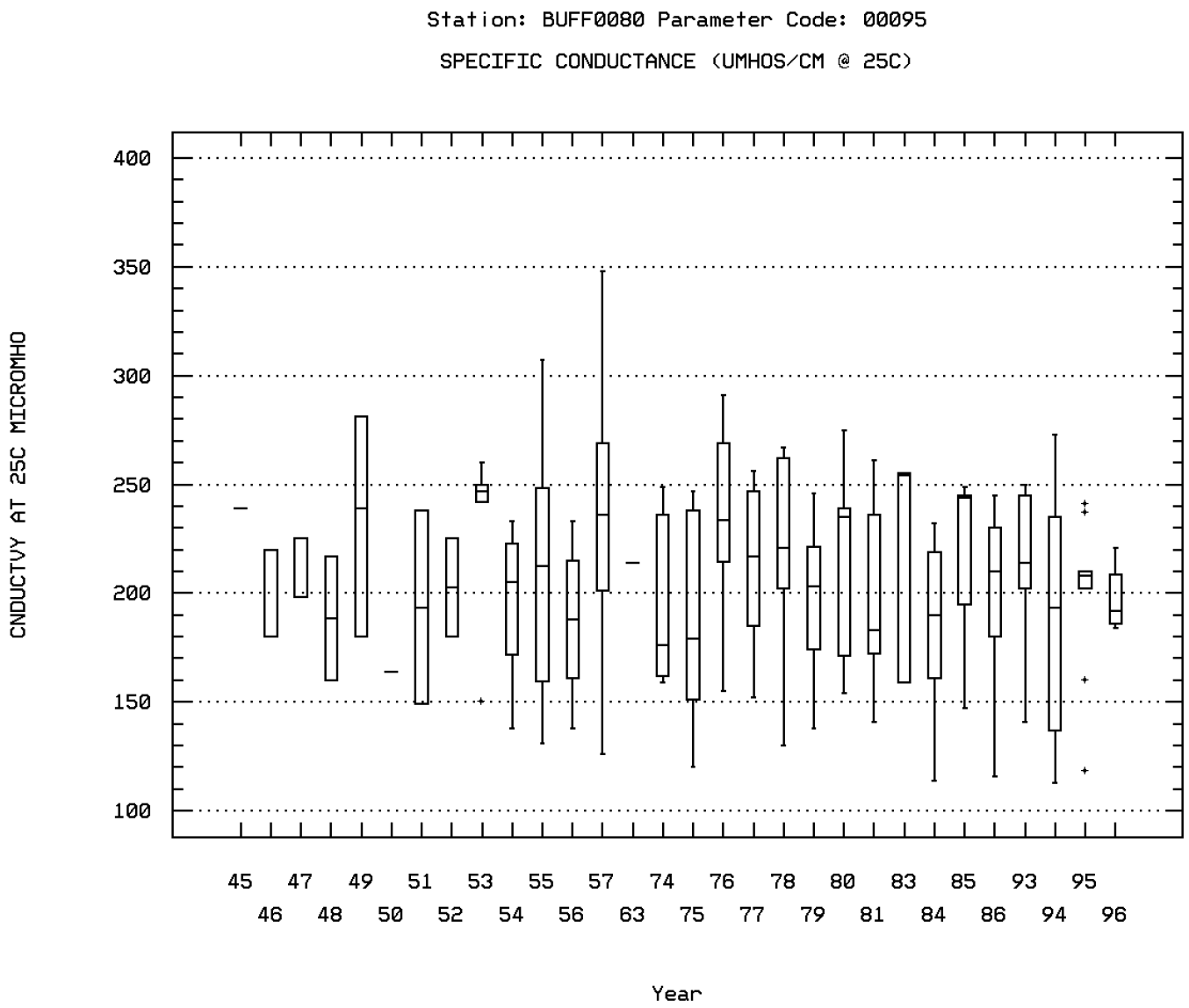
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	8	16.4	16.5	30.	6.	63.477	7.967	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	9	21.	21.522	29.4	11.1	39.534	6.288	11.1	16.65	27.55	29.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	9	683.	3053.778	22700.	41.	54482595.444	7381.233	41.	188.5	1170.5	22700.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	9	208.	199.111	241.	118.	1458.111	38.185	118.	181.	223.5	241.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	9	9.5	9.511	12.2	7.8	1.686	1.299	7.8	8.45	10.15	12.2
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	9	8.19	8.091	8.44	7.6	0.067	0.26	7.6	7.925	8.19	8.44
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	9	8.19	8.012	8.44	7.6	0.074	0.273	7.6	7.925	8.19	8.44
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	9	0.006	0.01	0.025	0.004	0.	0.007	0.004	0.006	0.013	0.025
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	9 ##	0.1	0.167	0.7	0.1	0.04	0.2	0.1	0.1	0.1	0.7
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	9 ##	0.005	0.022	0.15	0.005	0.002	0.048	0.005	0.005	0.008	0.15
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	9	36.	34.667	43.	21.	44.25	6.652	21.	31.	39.	43.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	9	2.4	2.411	3.4	1.2	0.406	0.637	1.2	2.05	2.8	3.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	9	1.4	1.422	1.8	0.9	0.059	0.244	0.9	1.35	1.55	1.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	9	0.8	0.856	1.2	0.6	0.045	0.213	0.6	0.65	1.05	1.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	9	2.	2.111	3.	1.	0.361	0.601	1.	2.	2.5	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	9	5.	4.444	6.	3.	1.028	1.014	3.	3.5	5.	6.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	9 ##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	9	5.5	5.978	10.	4.	3.829	1.957	4.	4.3	7.25	10.
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	9	15.	31.	140.	6.	1796.	42.379	6.	7.	34.5	140.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	9	116.	114.111	139.	79.	416.611	20.411	79.	98.5	131.5	139.

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	4	23.9	22.025	27.8	12.5	50.529	7.108	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	4	26.4	24.8	27.6	18.8	16.38	4.047	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	4	167.5	328.	947.	30.	174999.333	418.329	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	4	192.	197.25	221.	184.	275.583	16.601	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	4	10.4	10.3	12.1	8.3	2.447	1.564	**	**	**	**
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	4	8.24	8.225	8.3	8.12	0.007	0.086	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	4	8.237	8.219	8.3	8.12	0.007	0.086	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	4	0.006	0.006	0.008	0.005	0.	0.001	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	4 ##	0.005	0.009	0.02	0.005	0.	0.008	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	4	33.5	34.25	38.	32.	6.917	2.63	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	4	2.45	2.575	3.2	2.2	0.189	0.435	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	4	1.5	1.575	1.9	1.4	0.049	0.222	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	4	0.8	0.825	1.	0.7	0.016	0.126	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	4	2.	2.25	3.	2.	0.25	0.5	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	4	4.5	4.5	5.	4.	0.333	0.577	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	4	6.1	5.85	8.8	2.4	8.037	2.835	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	4	10.	10.5	14.	8.	7.	2.646	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	4	109.	112.25	133.	98.	224.25	14.975	**	**	**	**

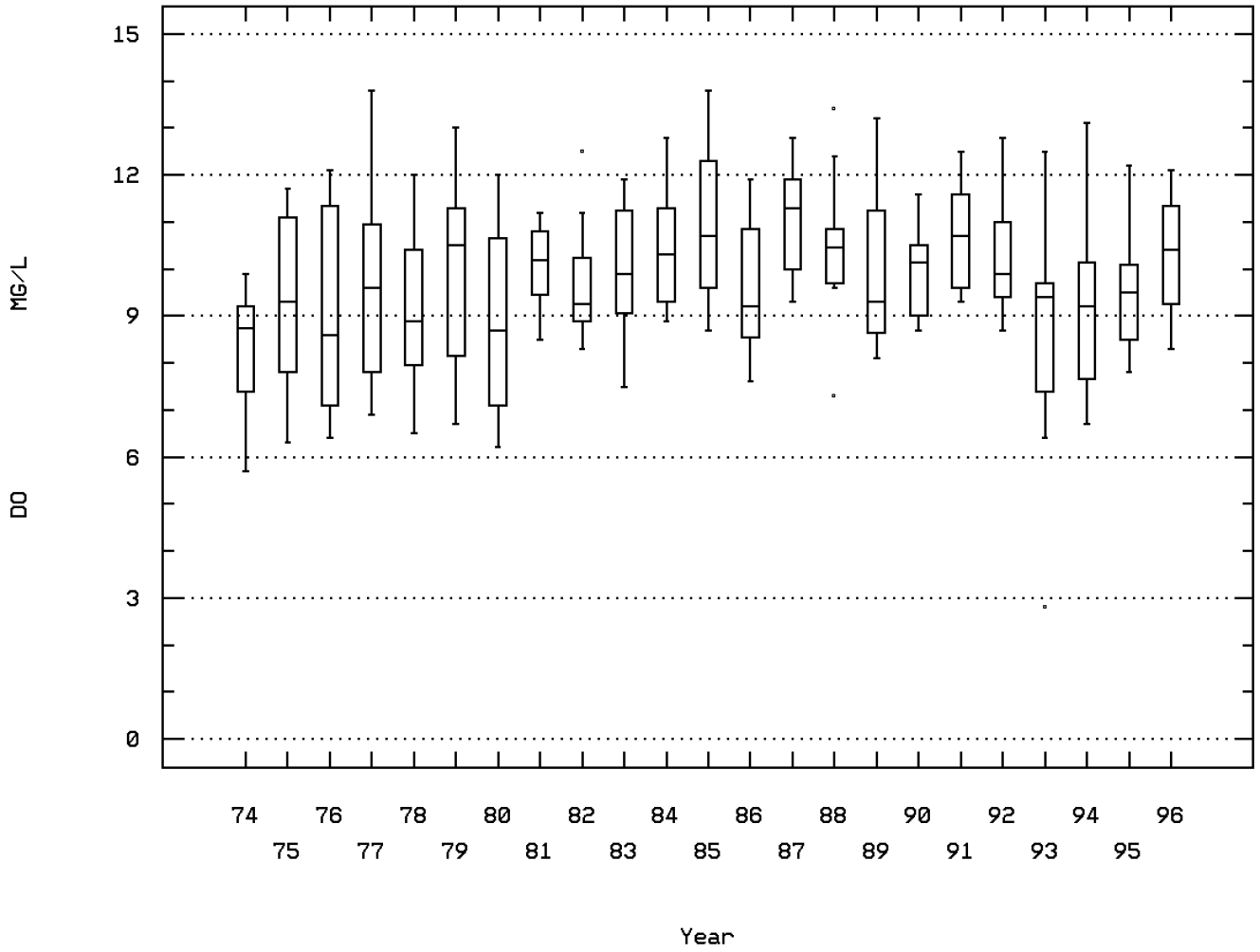
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00300

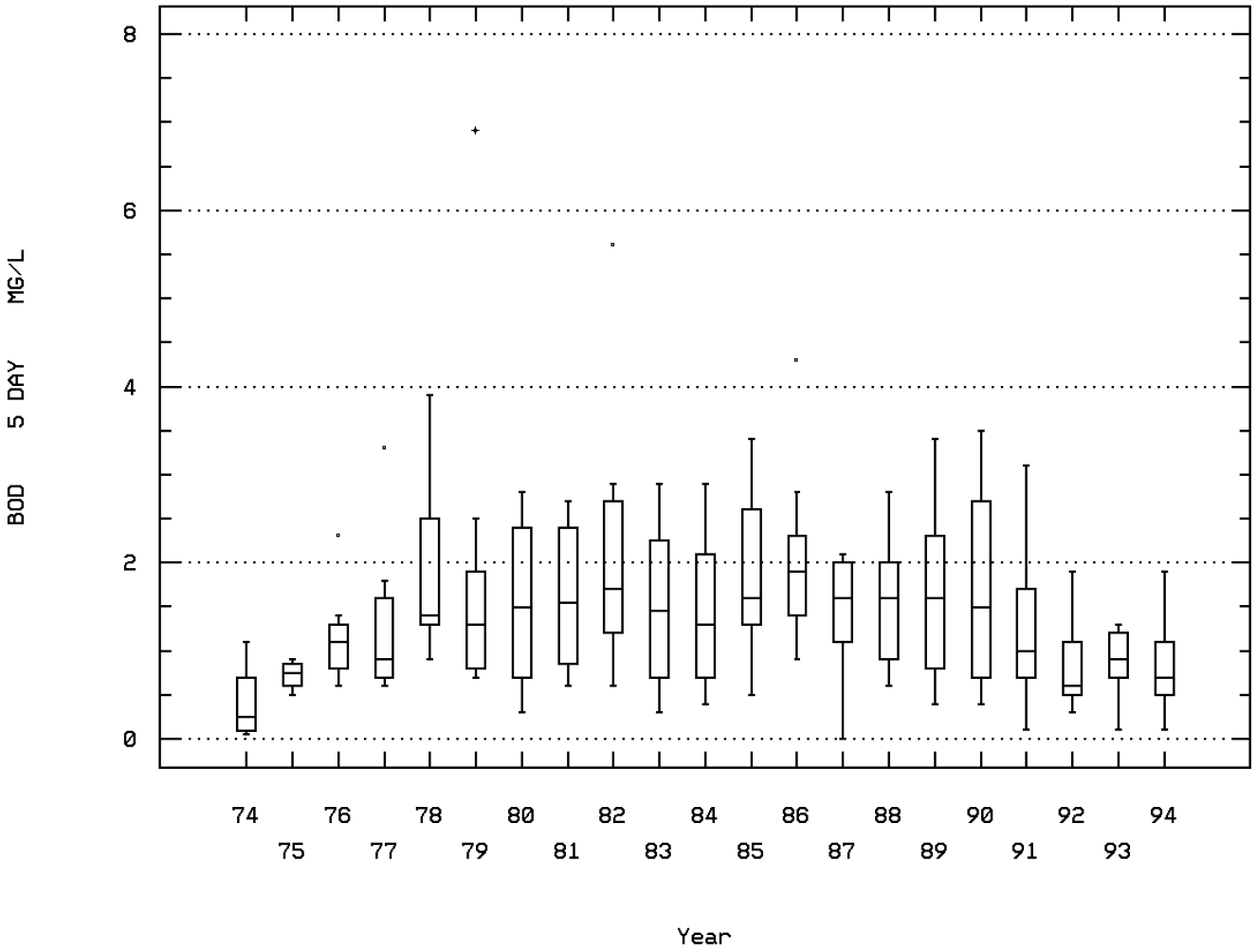
OXYGEN, DISSOLVED



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00310

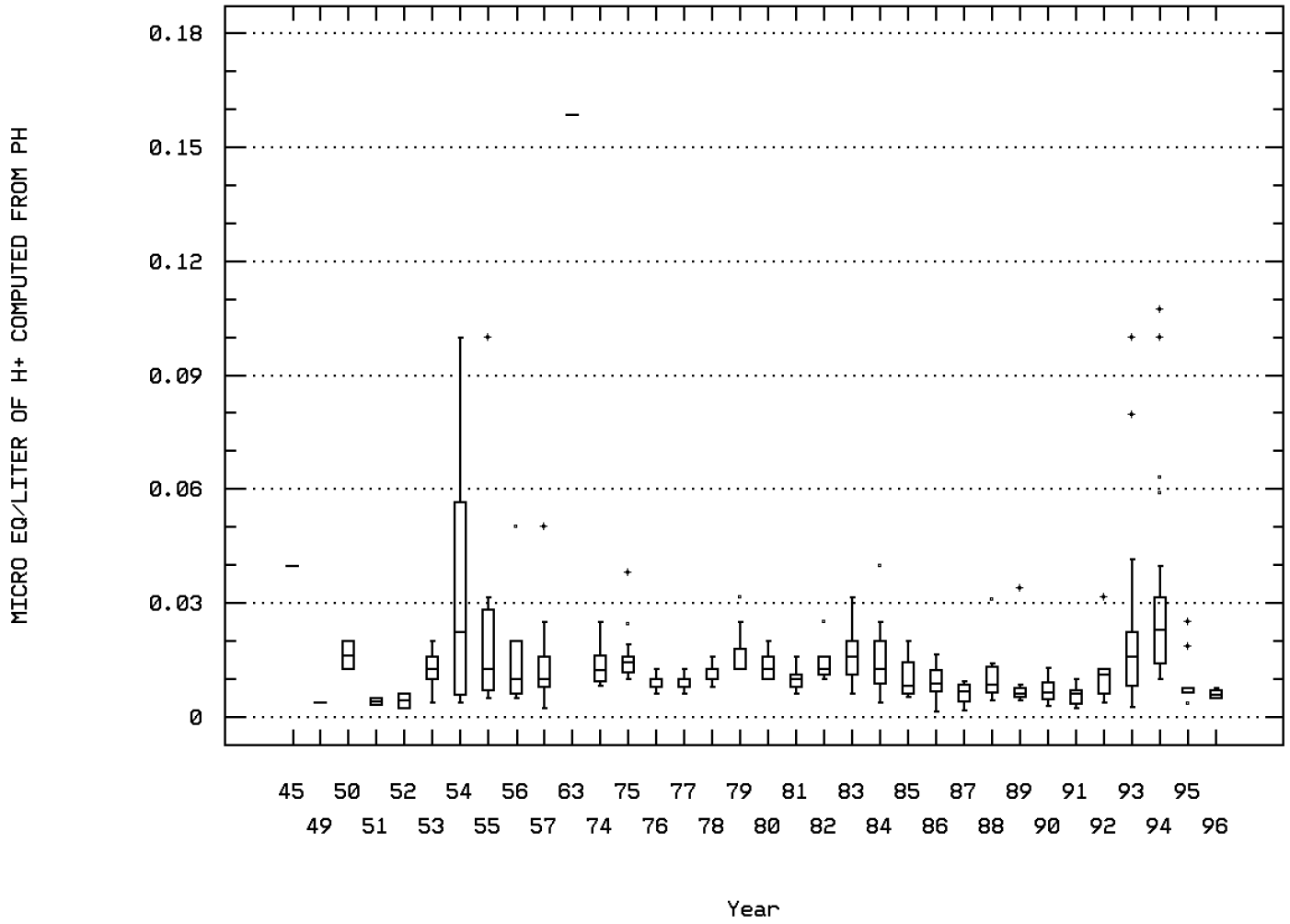
BOD, 5 DAY, 20 DEG C



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00400

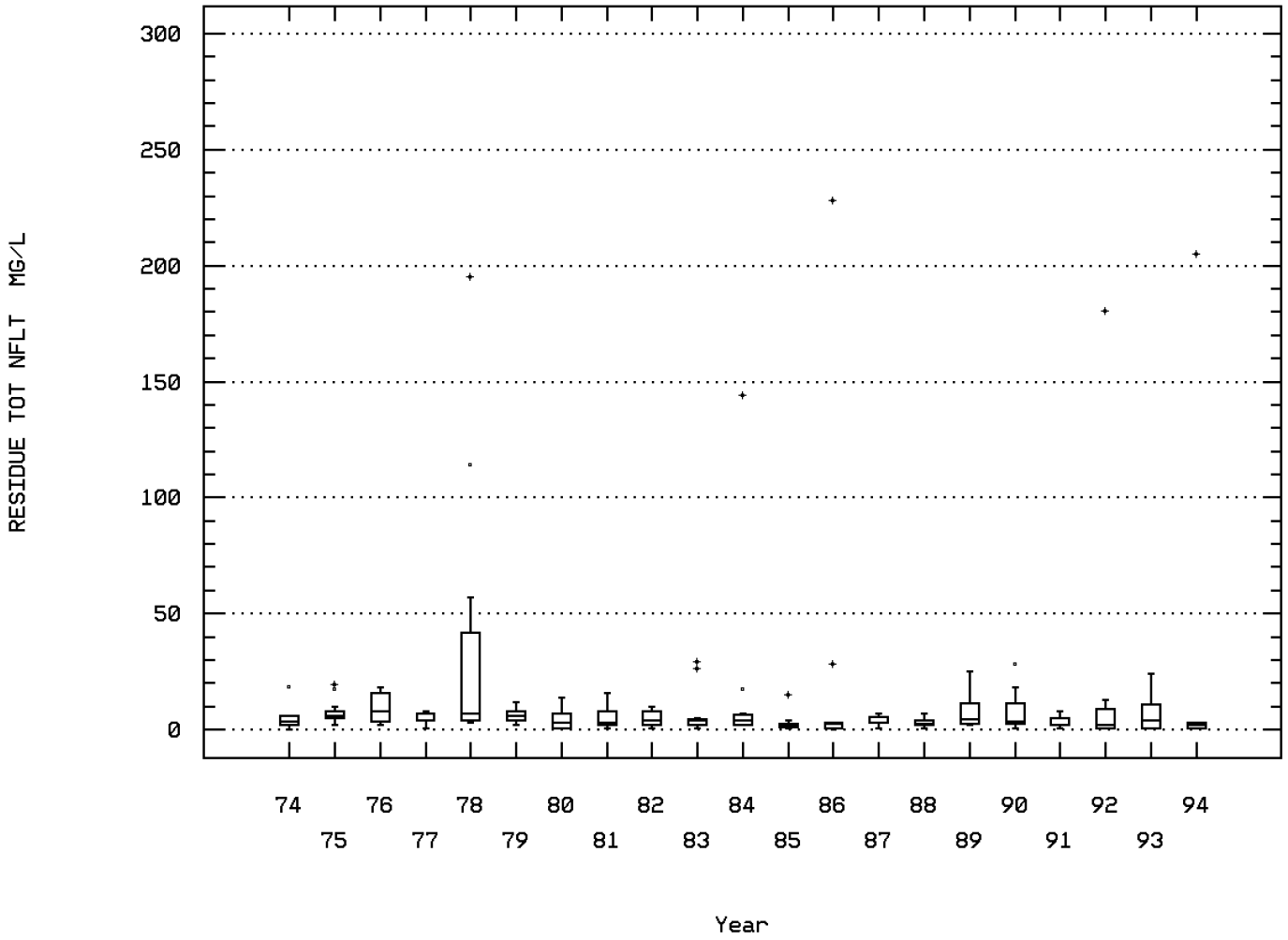
MICRO EQ/LITER OF H+ COMPUTED FROM PH



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00530

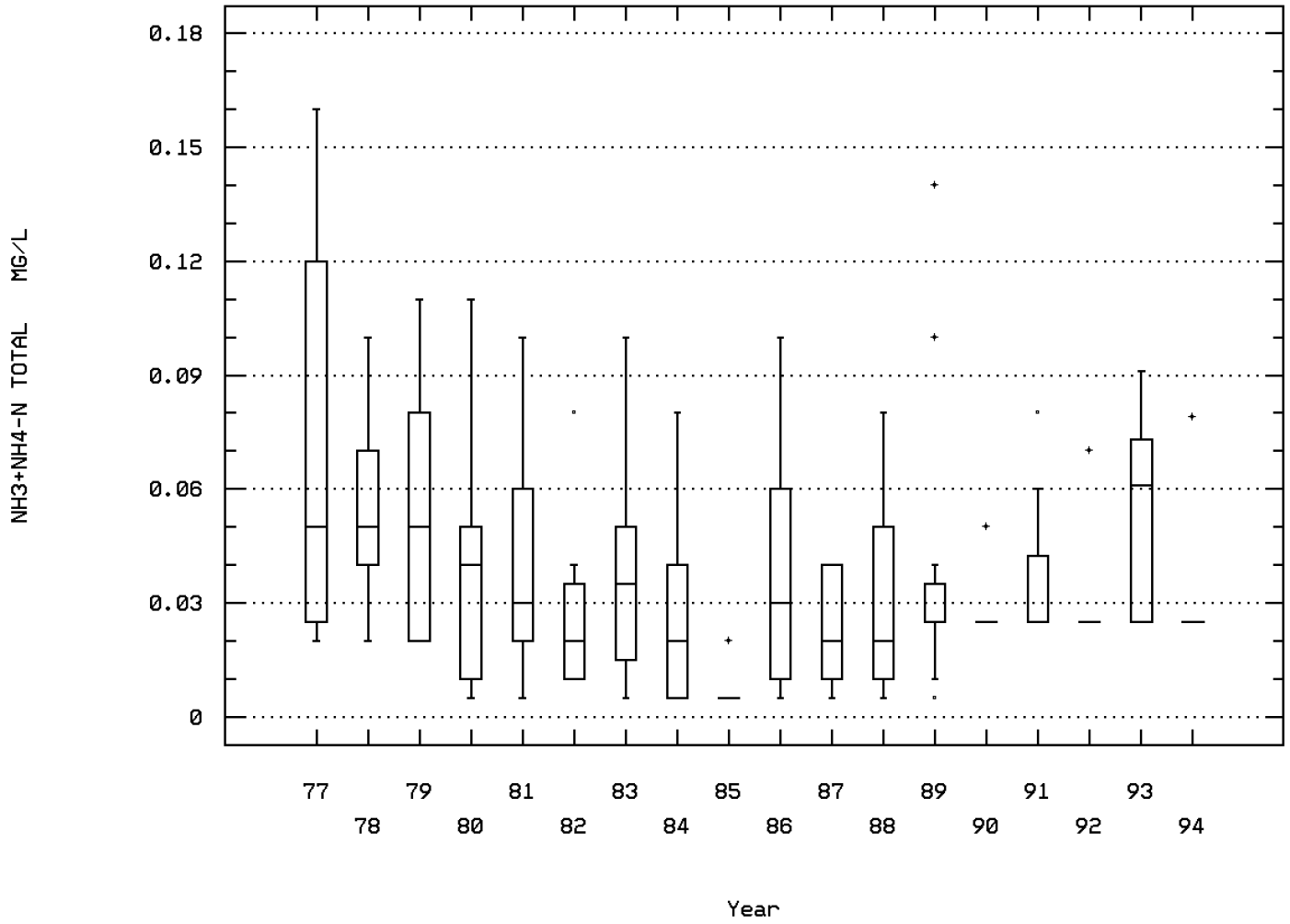
RESIDUE, TOTAL NONFILTRABLE (MG/L)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00610

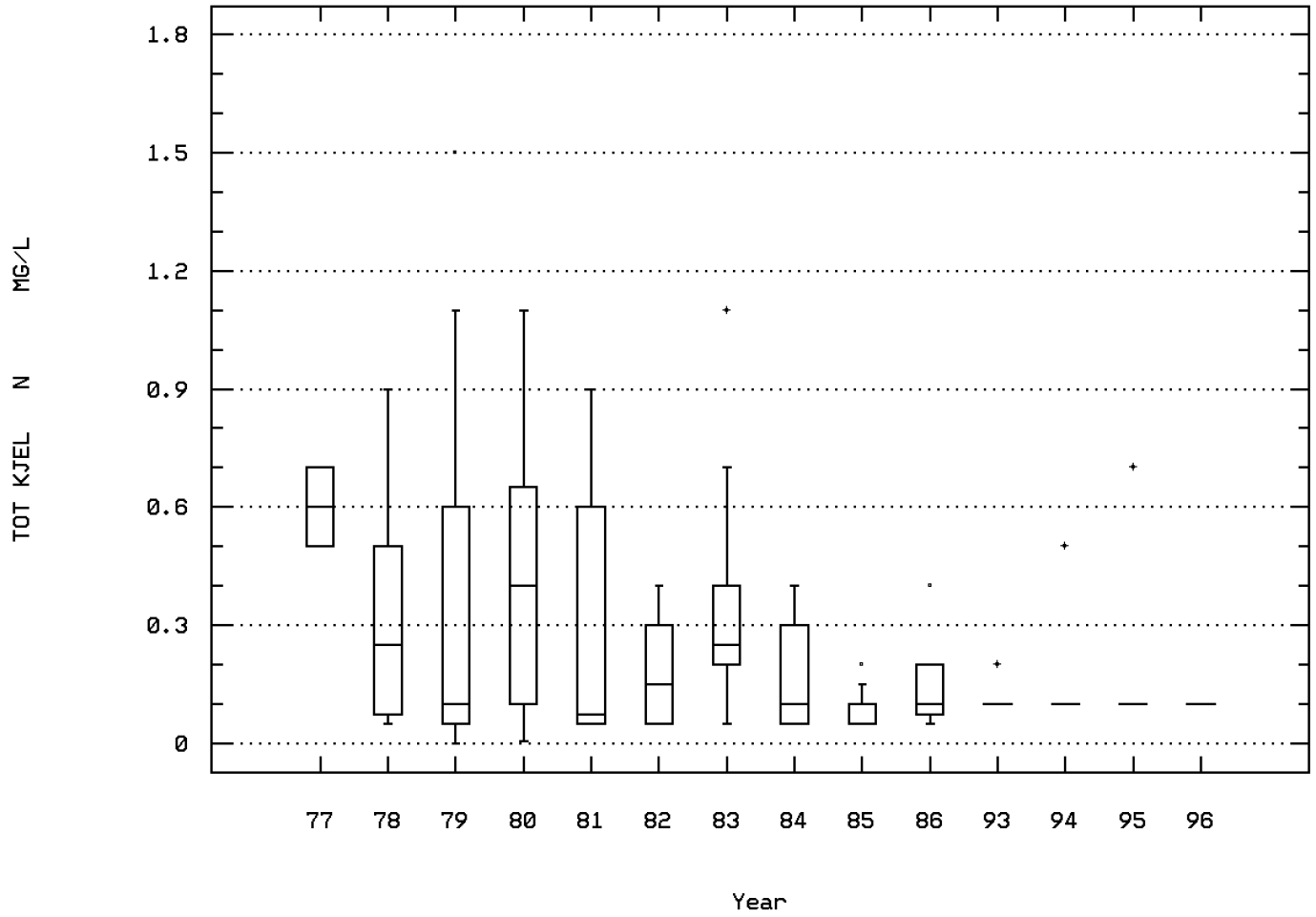
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00625

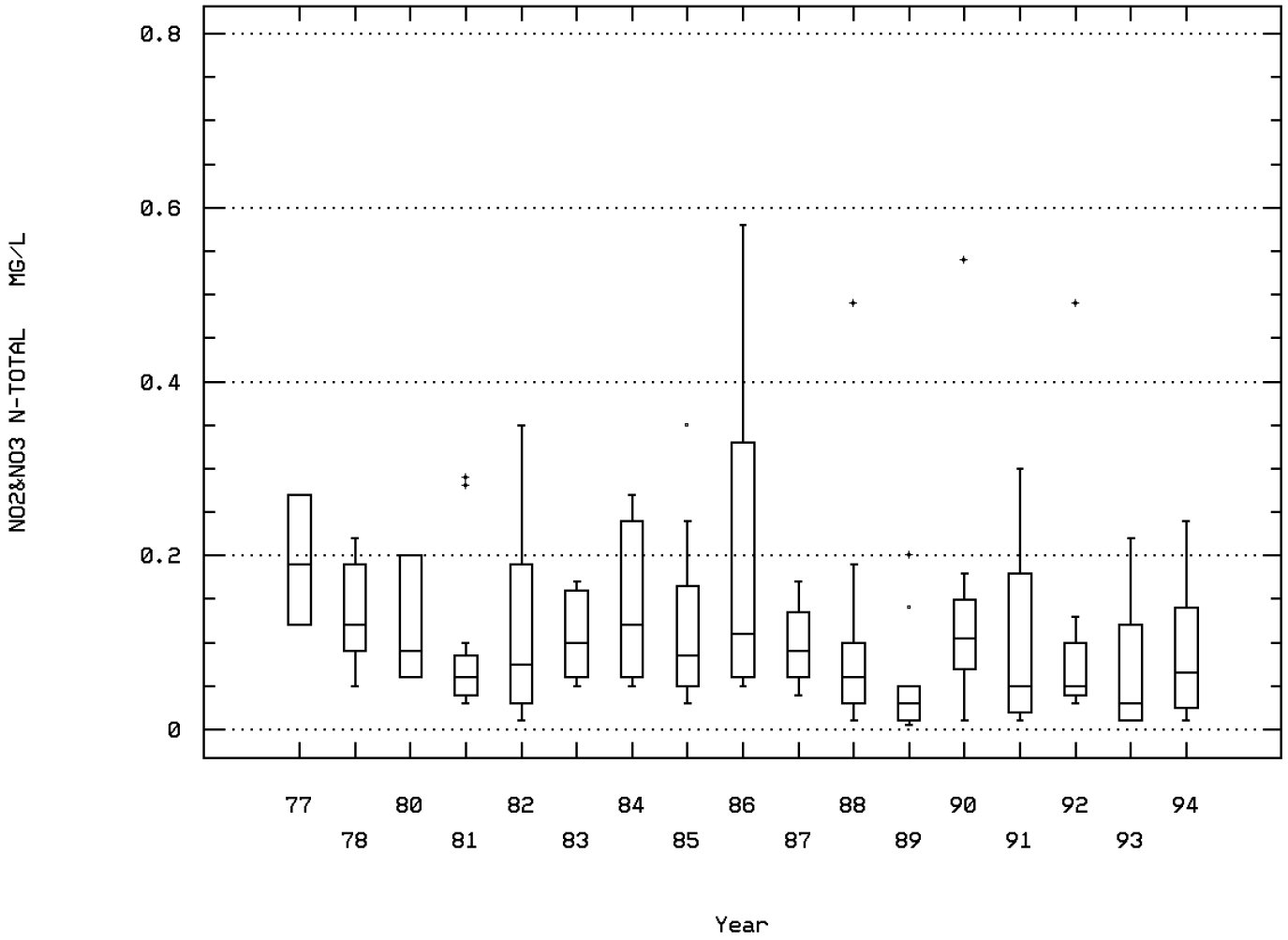
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00630

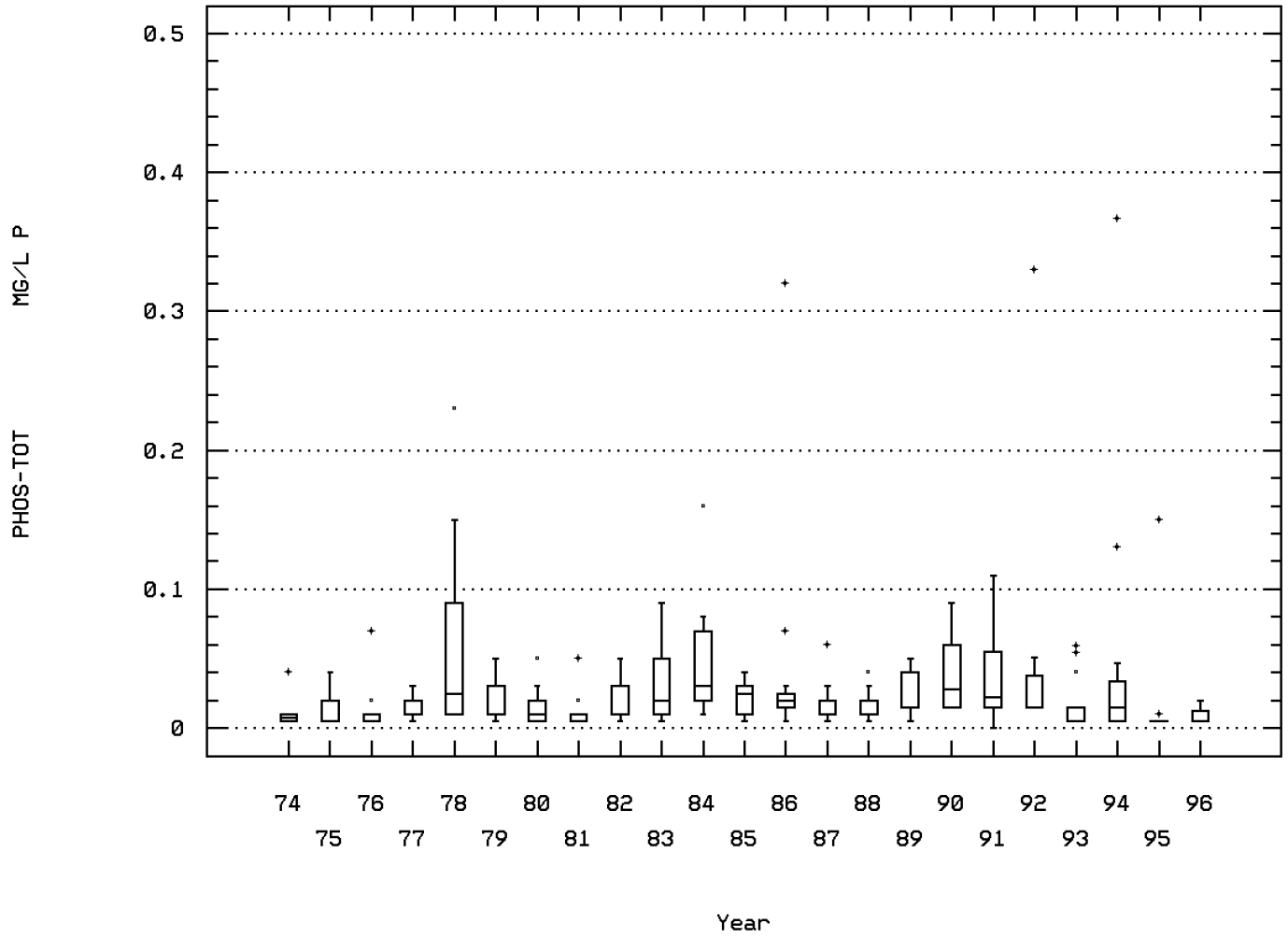
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00665

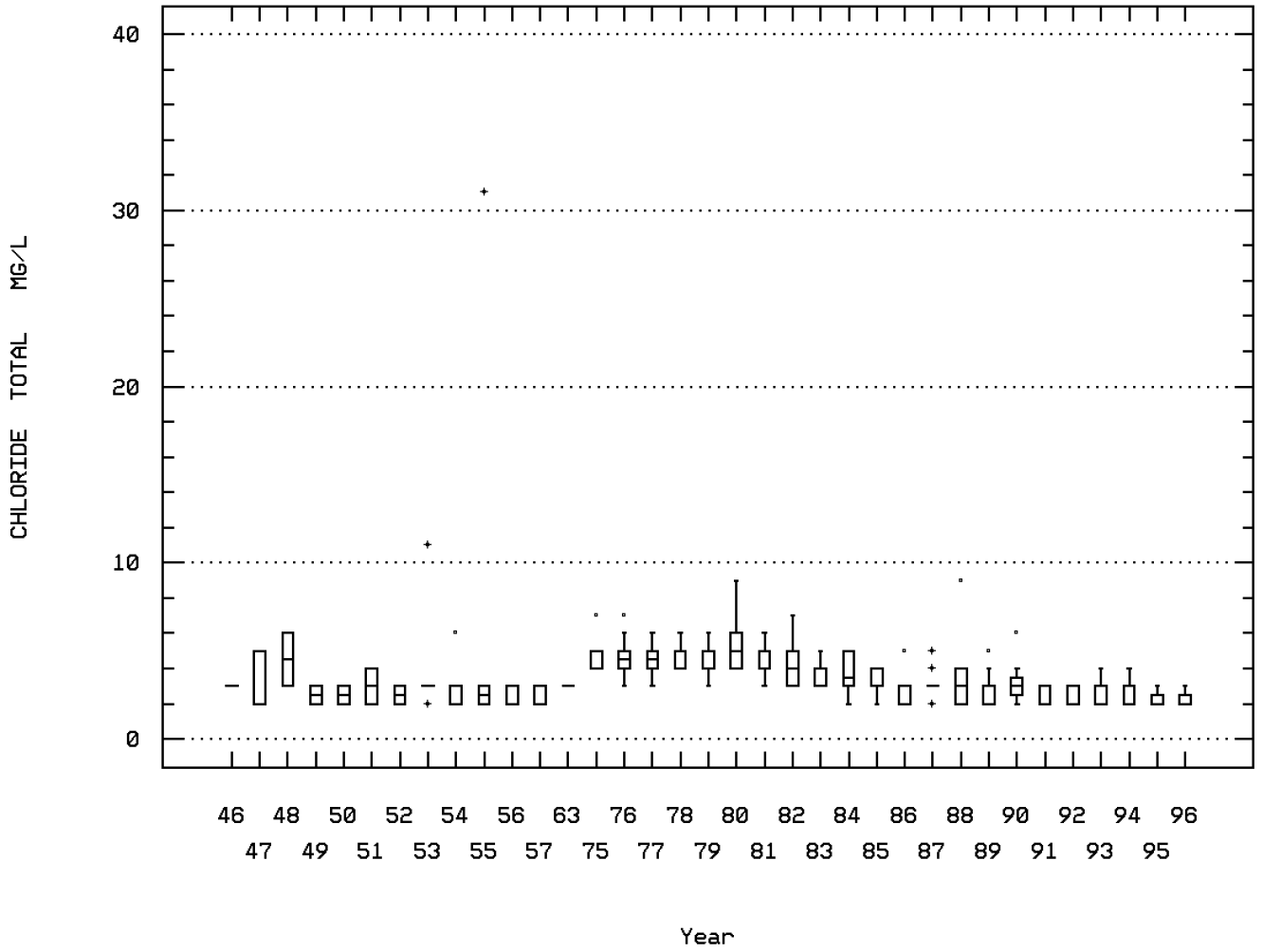
PHOSPHORUS, TOTAL (MG/L AS P)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00940

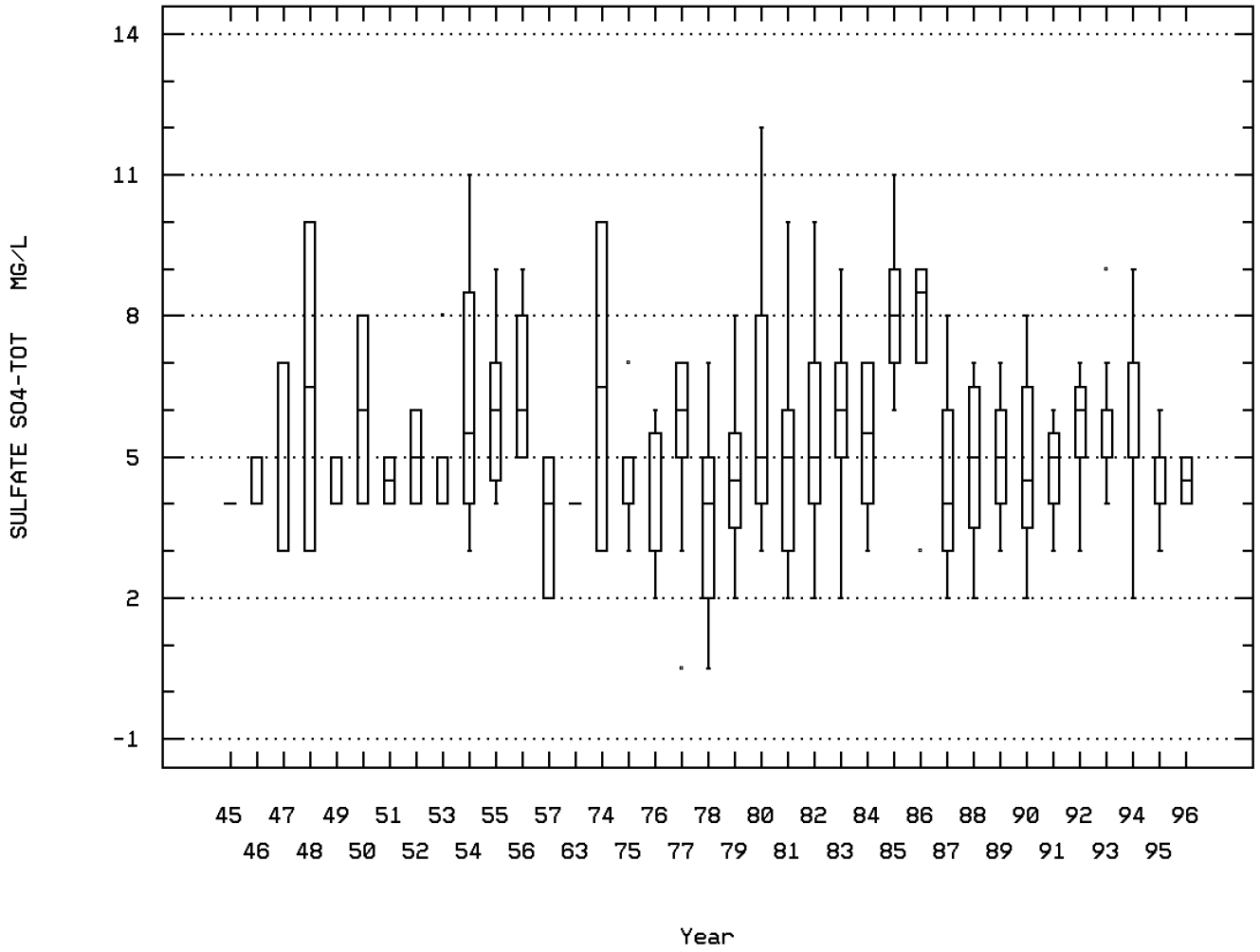
CHLORIDE,TOTAL IN WATER



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00945

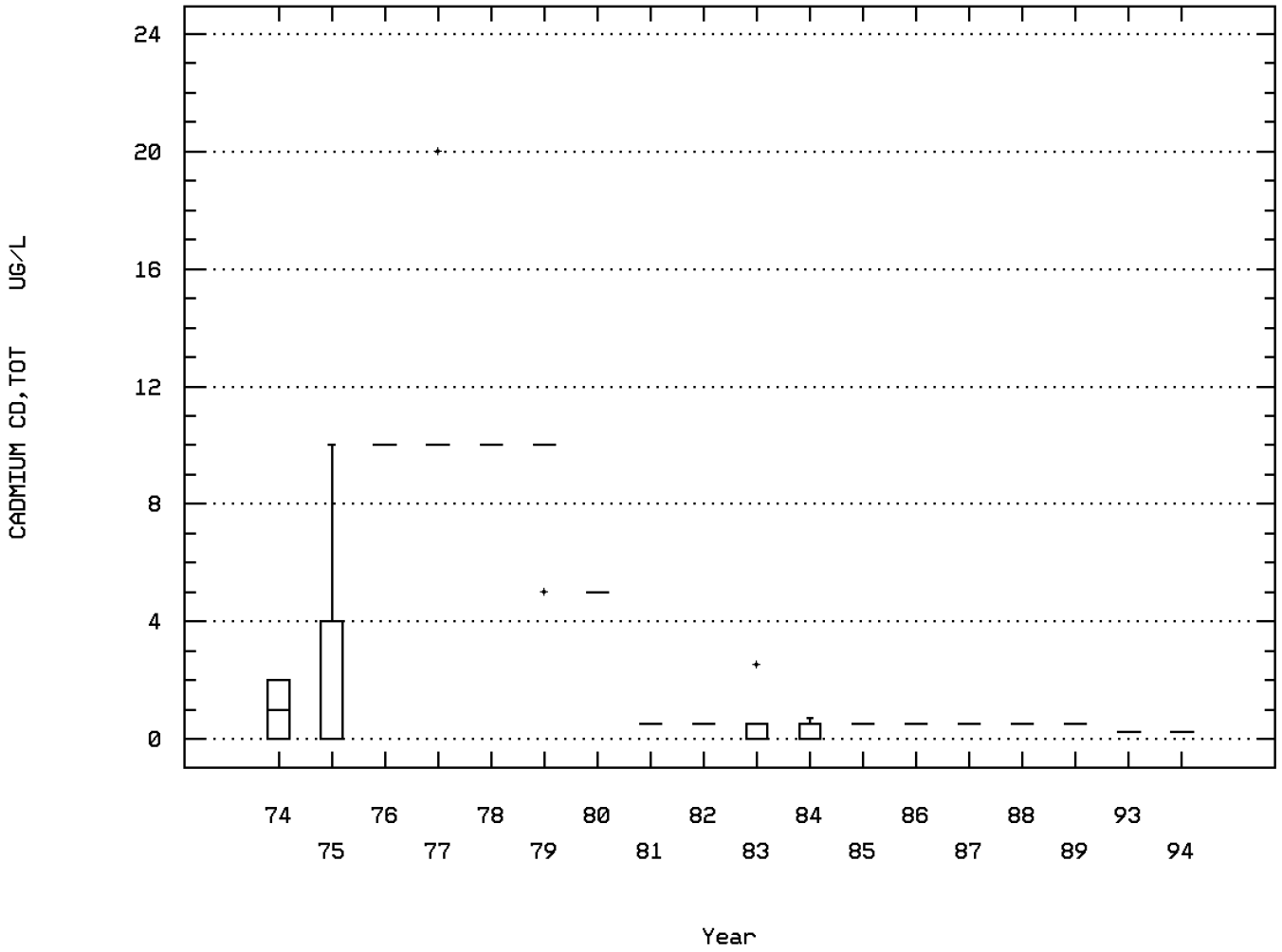
SULFATE, TOTAL (MG/L AS SO4)



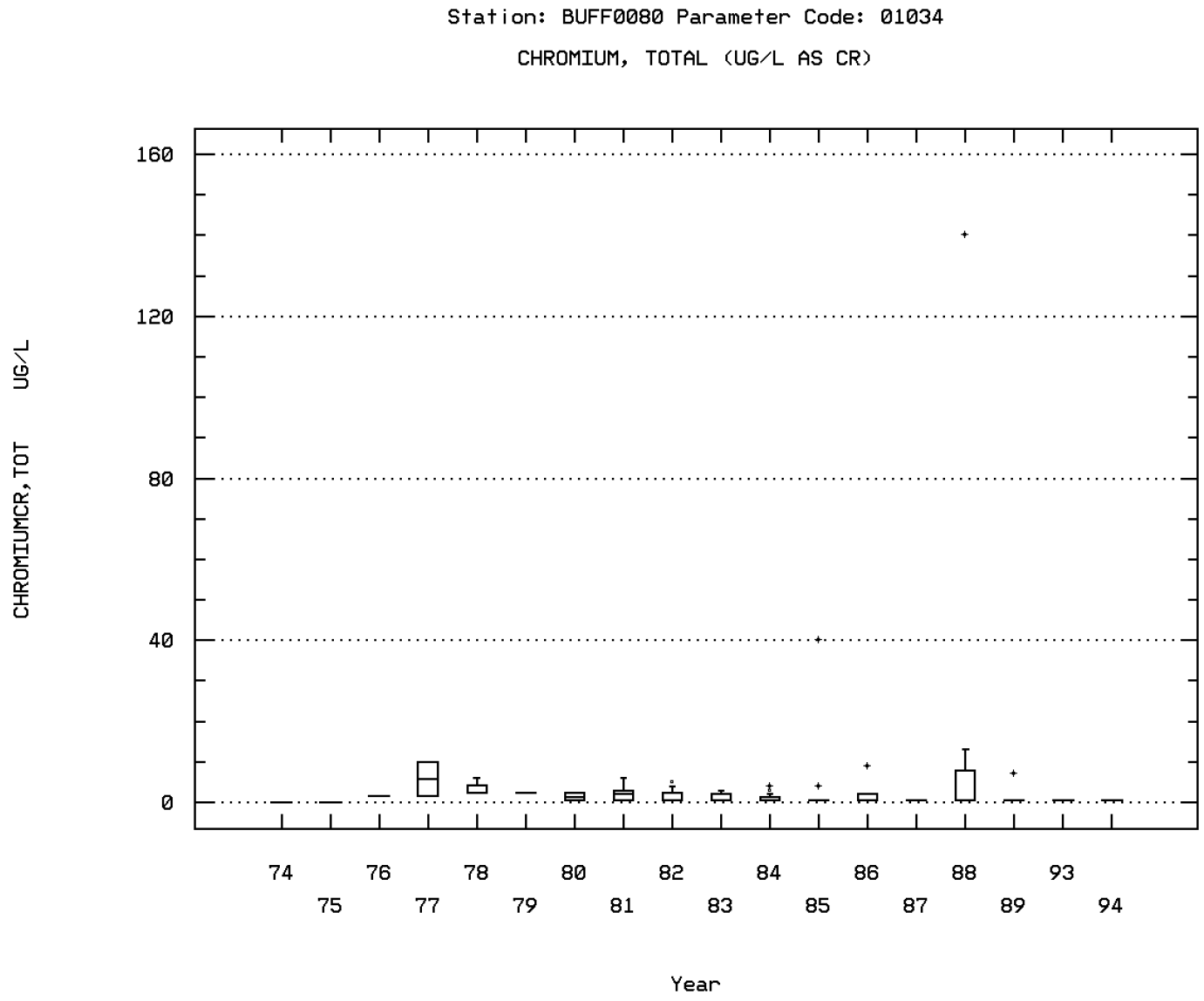
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 01027

CADMIUM, TOTAL (UG/L AS CD)



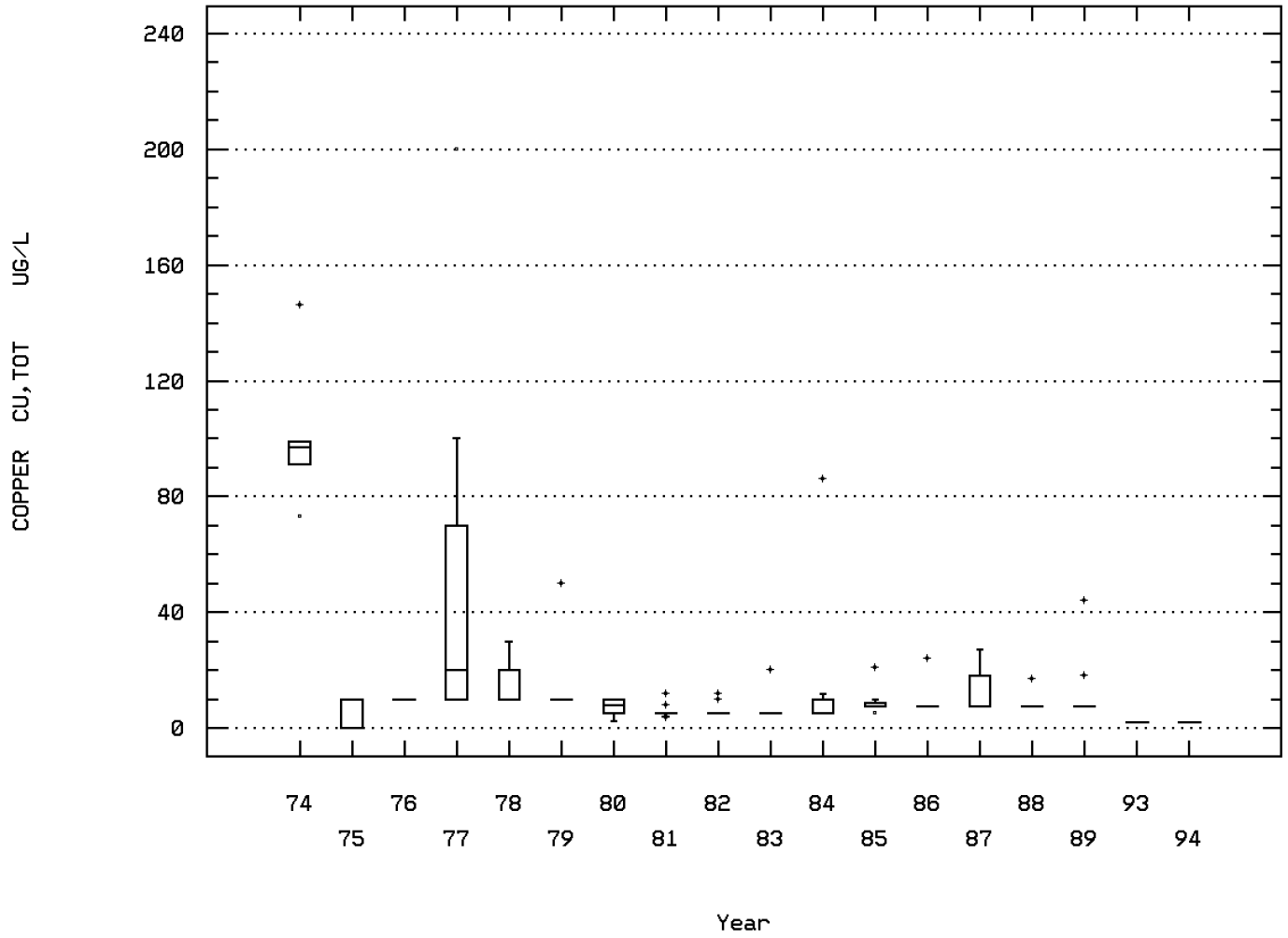
BUFFALO RIVER NEAR ST. JOE, ARK.



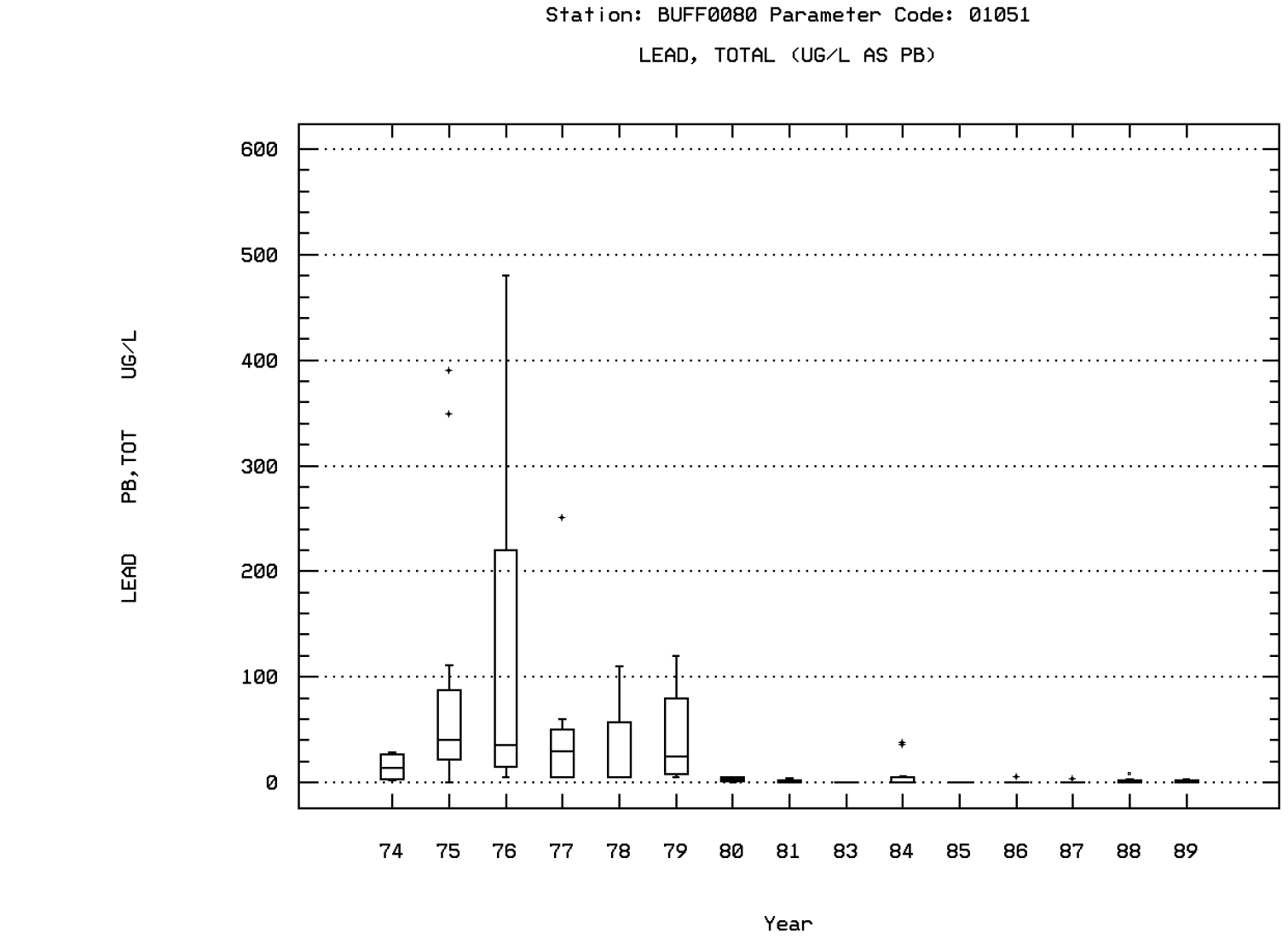
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 01042

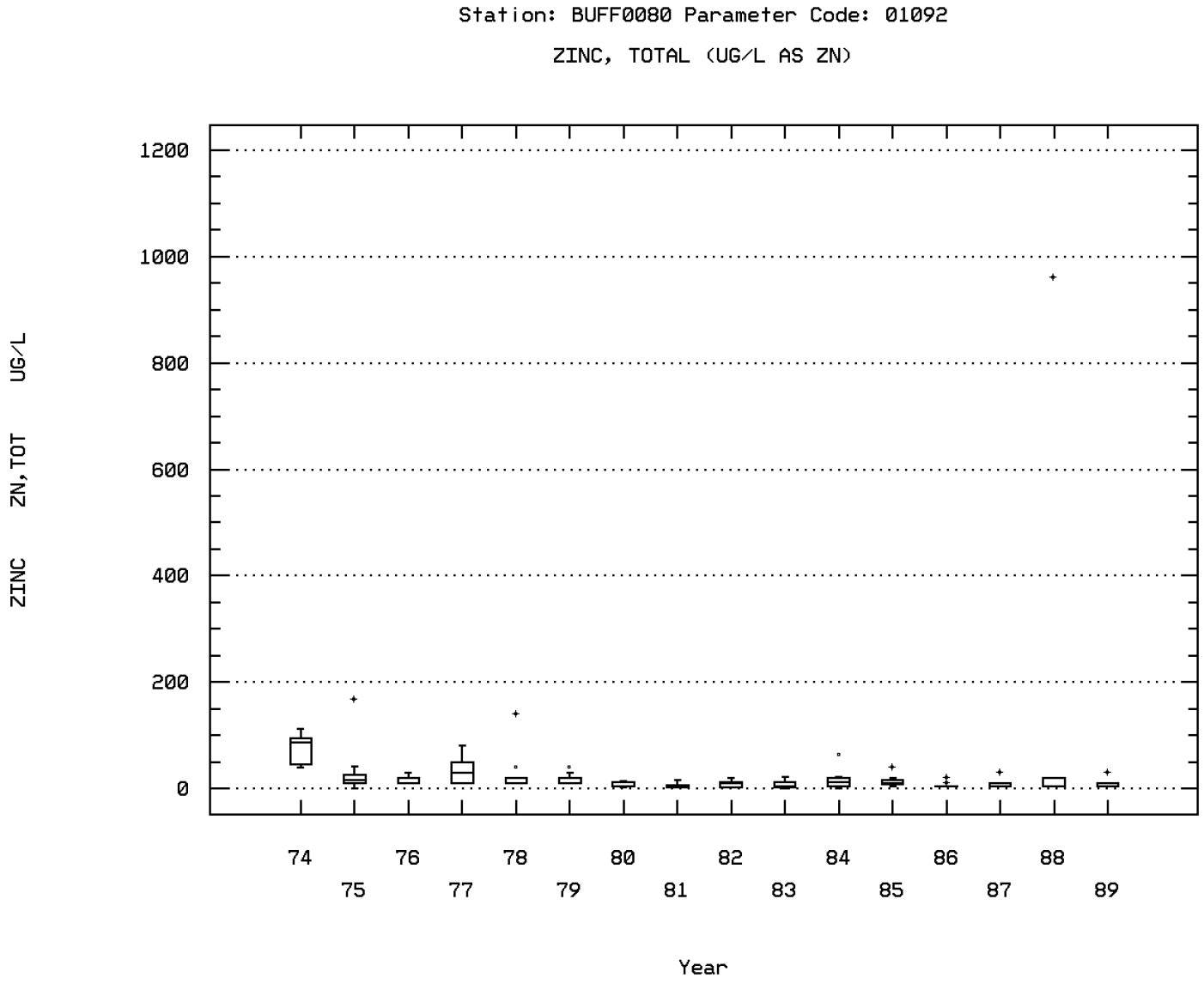
COPPER, TOTAL (UG/L AS CU)



BUFFALO RIVER NEAR ST. JOE, ARK.



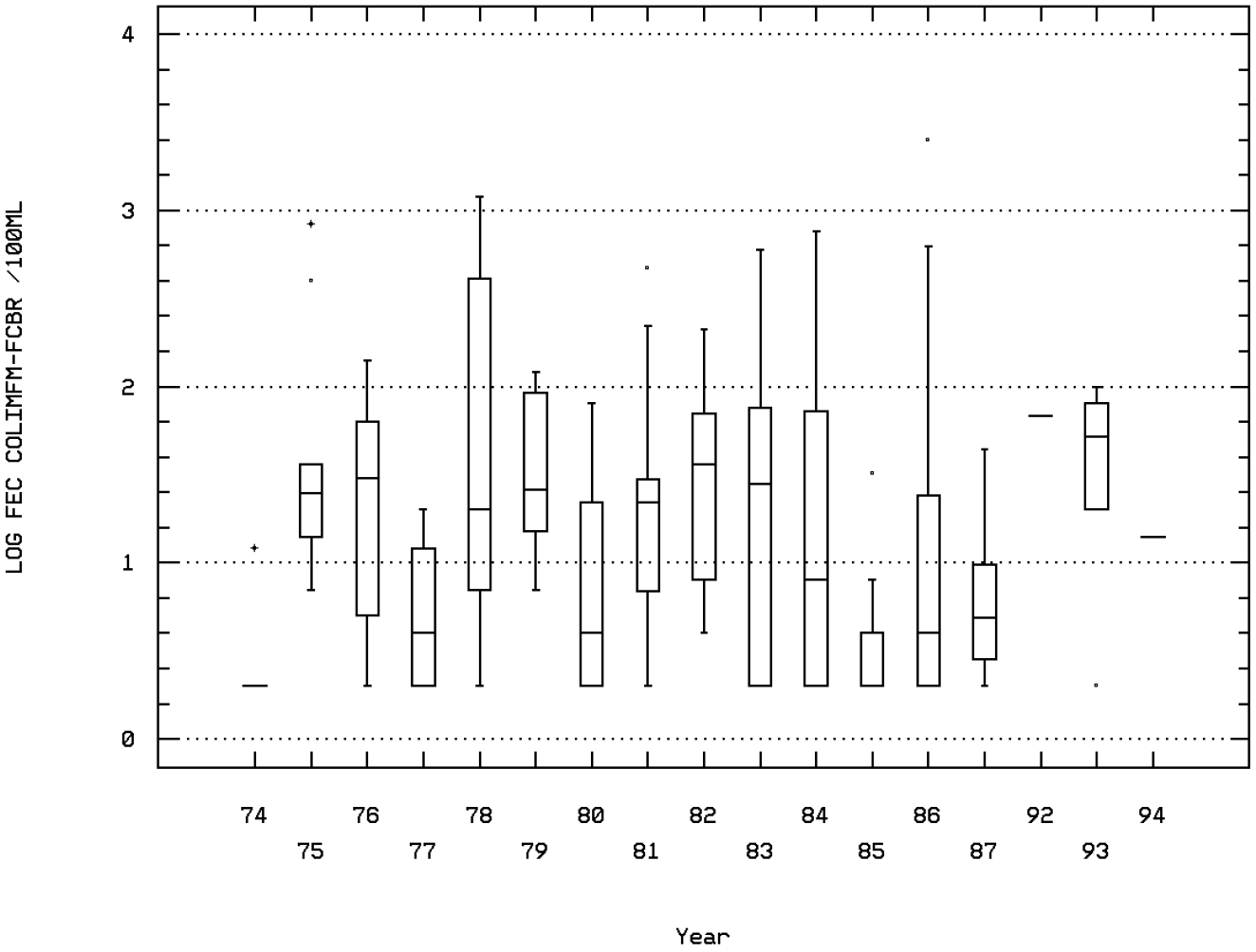
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 31616

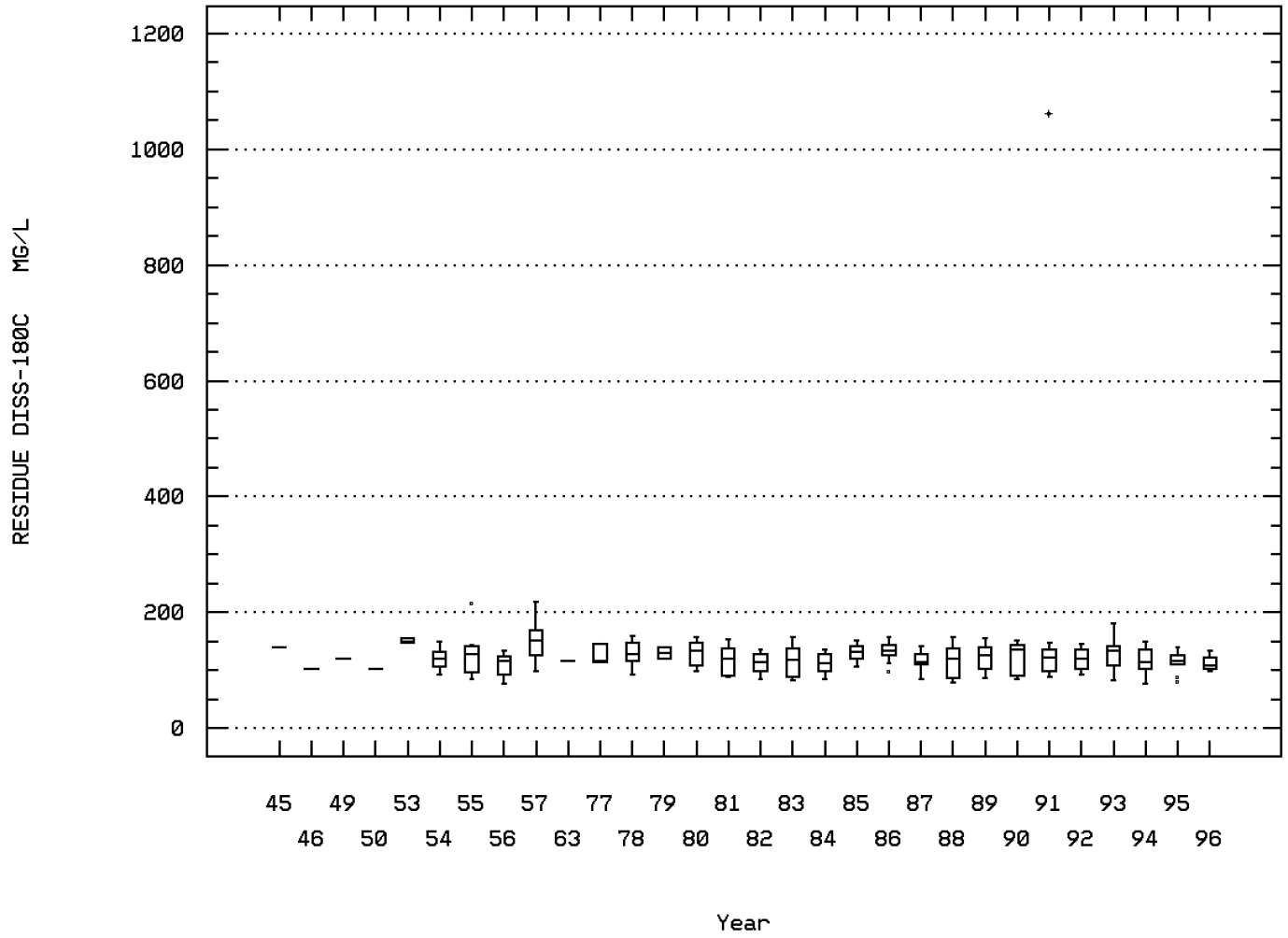
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 70300

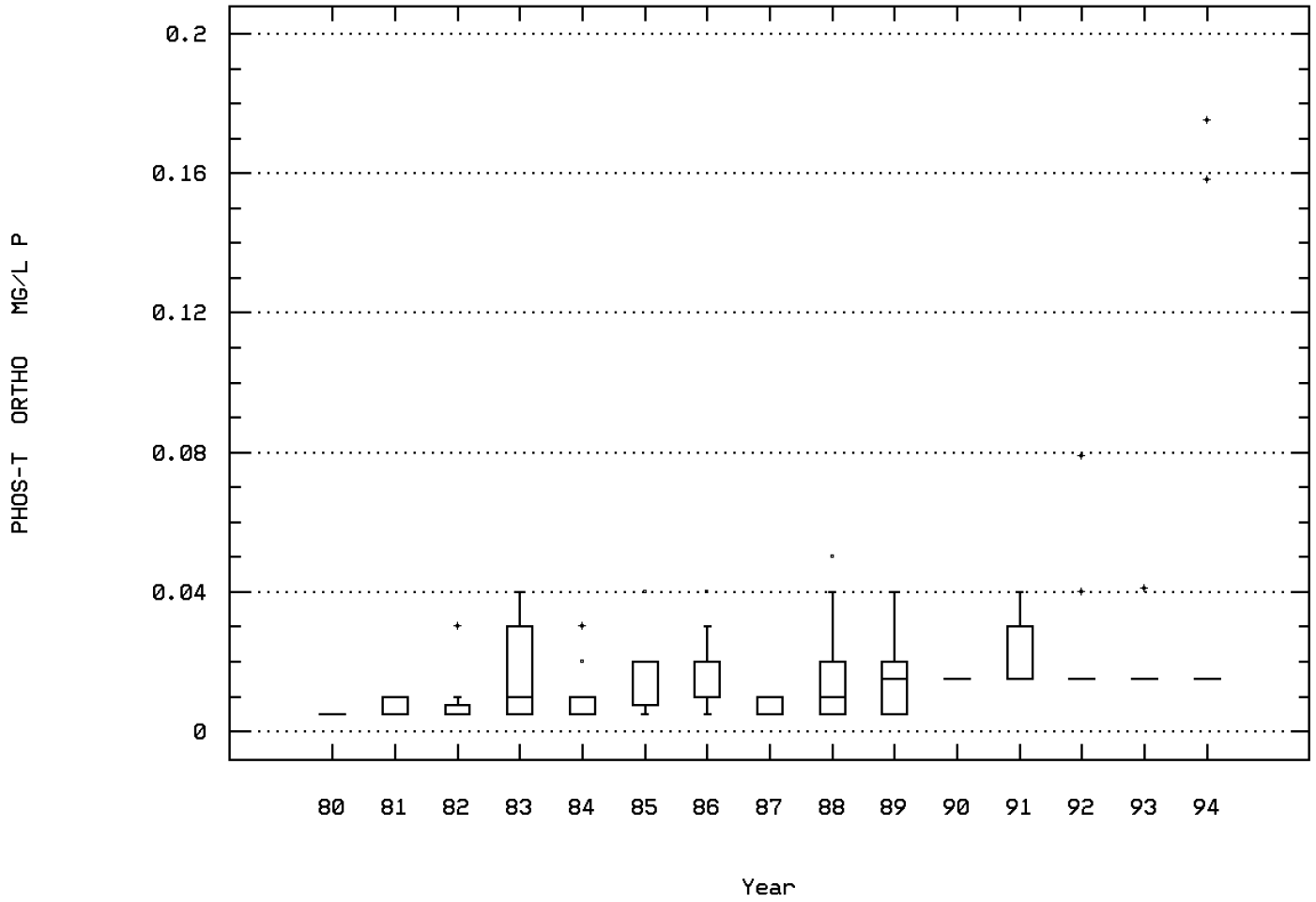
RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



BUFFALO RIVER NEAR ST. JOE, ARK.

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	167	19.	18.876	33.5	2.	65.802	8.112	7.	12.	26.	29.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	79	20.5	18.5	42.	-3.	106.787	10.334	6.	10.8	27.6	30.
00060p	FLOW, STREAM, MEAN DAILY CFS	07/23/45-01/23/90	33	62.	136.879	982.	11.	36508.735	191.073	16.8	35.	168.	384.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	146	92.	574.267	16600.	1.	2728943.218	1651.951	32.	48.75	393.25	1346.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	50	2.	2.644	10.	0.5	4.64	2.154	1.	1.5	2.85	4.98
00080p	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	53	5.	5.962	40.	0.	54.652	7.393	0.	3.	5.	10.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	101	236.	226.881	316.	116.	1241.686	35.238	164.6	209.	247.	262.
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	123	9.5	9.319	13.2	2.8	3.047	1.746	6.94	8.3	10.5	11.4
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	50	88.	88.78	126.	67.	136.093	11.666	75.1	81.75	94.25	105.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	110	1.3	1.463	6.9	0.09	0.955	0.977	0.6	0.8	1.8	2.6
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	42	3.5	3.571	9.	0.5	4.287	2.071	1.	2.	5.	6.7
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	149	8.	7.985	8.84	6.8	0.092	0.303	7.6	7.8	8.2	8.36
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	149	8.	7.863	8.84	6.8	0.107	0.327	7.6	7.8	8.2	8.36
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	149	0.01	0.014	0.158	0.001	0.	0.016	0.004	0.006	0.016	0.025
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/45-07/22/80	39	112.	112.615	197.	71.	397.506	19.938	89.	105.	120.	130.
00440p	BICARBONATE ION (MG/L AS HCO3)	07/23/45-03/21/77	34	136.	136.353	240.	87.	603.932	24.575	113.	123.5	145.5	158.
00445p	CARBONATE ION (MG/L AS CO3)	07/23/45-03/21/77	32	0.	0.719	6.	0.	2.854	1.689	0.	0.	0.	3.7
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	113	3.	5.947	180.	0.	297.426	17.246	0.5	1.	6.	11.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	86	0.025	0.035	0.15	0.005	0.001	0.027	0.005	0.02	0.043	0.076
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	31	0.05	0.126	0.88	0.01	0.03	0.173	0.032	0.05	0.13	0.328
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	61 ##	0.1	0.202	1.5	0.	0.067	0.259	0.05	0.05	0.2	0.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	74	0.055	0.086	0.49	0.01	0.008	0.091	0.01	0.02	0.113	0.22
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	125	0.015	0.022	0.33	0.005	0.001	0.033	0.005	0.01	0.025	0.04
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	71	120.	116.296	180.	60.	411.811	20.293	90.4	105.	129.	135.4
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/23/45-03/21/77	34	5.	6.176	49.	0.	74.332	8.622	0.	0.	8.25	11.5
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	40	40.5	38.825	51.	19.	44.456	6.668	28.5	35.	43.	45.9
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	40	3.45	3.8	13.	1.1	3.732	1.932	2.3	3.025	4.075	5.96
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/74-07/22/80	10	2.35	2.28	3.2	1.1	0.475	0.689	1.12	1.825	2.925	3.18
00930p	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	37	1.9	1.914	4.2	0.8	0.376	0.613	1.18	1.5	2.1	2.42
00931	SODIUM ADSORPTION RATIO	07/23/45-10/04/63	21	0.1	0.1	0.2	0.	0.001	0.032	0.1	0.1	0.1	0.1
00932	SODIUM, PERCENT	07/23/45-10/04/63	21	4.	4.	8.	2.	1.9	1.378	2.2	3.	4.	6.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	26	0.95	0.938	1.8	0.6	0.062	0.248	0.6	0.8	1.	1.23
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/74-07/22/80	10	0.95	0.93	1.5	0.2	0.102	0.32	0.26	0.875	1.025	1.46
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	154	3.	3.714	11.	1.	2.284	1.511	2.	3.	5.	6.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	151	5.	5.129	12.	0.5	4.145	2.036	3.	4.	6.	8.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	24	0.05	0.069	0.3	0.	0.005	0.067	0.	0.05	0.1	0.15
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	25	6.	6.328	10.	3.1	3.309	1.819	4.06	5.	7.5	9.18
01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/74-09/14/82	22 ##	2.5	2.932	11.	1.5	6.269	2.504	1.5	1.5	2.5	7.9
01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	74 ##	0.5	2.889	20.	0.	18.832	4.34	0.	0.5	4.25	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	62 ##	0.5	1.935	40.	0.	27.865	5.279	0.15	0.5	1.625	3.7
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	83 ##	7.5	13.59	146.	0.	586.97	24.227	5.	5.	10.	19.2
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	31	140.	392.516	3500.	10.	462853.258	680.333	18.6	51.	370.	1093.2
01046p	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	22	13.5	21.341	83.	0.	596.128	24.416	0.	4.75	30.	72.4
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	64	1.	22.539	400.	0.5	4992.463	70.657	0.5	0.5	14.75	40.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	31	40.	43.	140.	4.	1061.117	32.575	7.	21.	52.	91.6
01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	77 ##	10.	15.903	113.	0.	469.632	21.671	3.	5.	13.5	40.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	76	11.	57.289	1100.	2.	28264.848	168.122	2.	4.	32.	83.6
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	76	1.04	1.102	3.041	0.301	0.452	0.673	0.301	0.602	1.505	1.921
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.642								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	12	0.	0.	0.001	0.	0.	0.	0.	0.	0.	0.001
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	12	0.	0.	0.001	0.	0.	0.	0.	0.	0.	0.001
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	12	0.	0.002	0.02	0.	0.	0.006	0.	0.	0.001	0.015
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	12	0.	0.	0.001	0.	0.	0.	0.	0.	0.	0.001
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	12	0.	0.	0.001	0.	0.	0.	0.	0.	0.	0.001
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	12	0.	0.083	0.5	0.	0.038	0.195	0.	0.	0.	0.5
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	12	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.001	0.005
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	12	0.	0.001	0.005	0.	0.	0.001	0.	0.	0.	0.004
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	123	135.	131.22	198.	77.	369.91	19.233	102.8	123.	142.	150.6
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/23/45-10/04/63	20	124.5	123.1	144.	88.	186.621	13.661	98.8	116.	132.	141.5

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70302p	SOLIDS, DISSOLVED-TONS PER DAY	07/23/45-09/29/81	28	25.05	72.412	889.	3.91	27025.557	164.395	5.039	10.875	73.075	115.9
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	50	0.18	0.183	0.27	0.12	0.001	0.024	0.151	0.17	0.193	0.21
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	74 ##	0.015	0.015	0.079	0.005	0.	0.011	0.005	0.005	0.015	0.025
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/23/45-10/04/63	30	0.4	0.543	2.9	0.	0.294	0.542	0.1	0.2	0.7	0.89

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	124	11.	11.287	23.	0.	25.654	5.065	5.	7.	15.	18.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	62	12.5	12.139	29.5	-6.	69.216	8.32	1.3	6.	19.2	22.
00060p	FLOW, STREAM, MEAN DAILY CFS	07/23/45-01/23/90	29	849.	1912.793	11900.	214.	7242517.384	2691.193	300.	470.	2380.	3750.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	103	912.	2271.544	25500.	55.	17747445.172	4212.772	227.2	488.	1860.	4600.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	39	3.	12.918	190.	1.	1117.4	33.428	1.3	2.	8.	25.
00080p	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	41	5.	10.366	80.	0.	220.788	14.859	0.	5.	11.	20.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	80	171.5	176.313	307.	113.	1410.395	37.555	130.1	152.	199.5	220.9
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	92	10.95	10.839	13.8	7.8	2.	1.414	8.76	9.9	11.9	12.8
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	40	92.5	93.05	109.	77.	31.741	5.634	87.1	89.25	96.	99.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	82	1.	1.258	4.3	0.	0.713	0.844	0.5	0.7	1.525	2.6
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	30	3.8	5.303	35.	0.5	47.229	6.872	0.5	1.375	6.25	9.8
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	114	7.9	7.881	8.6	6.97	0.111	0.333	7.4	7.715	8.1	8.2
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	114	7.9	7.728	8.6	6.97	0.135	0.367	7.4	7.715	8.1	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	114	0.013	0.019	0.107	0.003	0.	0.021	0.006	0.008	0.019	0.04
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/45-07/22/80	37	84.	83.514	126.	54.	361.923	19.024	60.6	66.	97.5	115.2
00440p	BICARBONATE ION (MG/L AS HCO3)	07/23/45-03/21/77	31	92.	99.065	148.	66.	515.196	22.698	72.4	80.	114.	141.6
00445p	CARBONATE ION (MG/L AS CO3)	07/23/45-03/21/77	31	0.	0.258	6.	0.	1.265	1.125	0.	0.	0.	0.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	81	4.	13.772	228.	0.5	1493.144	38.641	1.	2.	6.5	18.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	67	0.025	0.038	0.14	0.005	0.001	0.03	0.005	0.02	0.05	0.082
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	28	0.105	0.138	0.39	0.01	0.008	0.091	0.047	0.073	0.21	0.271
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	47	0.1	0.287	1.1	0.05	0.097	0.312	0.05	0.1	0.5	0.9
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	54	0.125	0.155	0.58	0.005	0.016	0.128	0.03	0.058	0.205	0.31
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	90	0.015	0.035	0.367	0.	0.004	0.061	0.005	0.005	0.03	0.07
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	62	87.	89.645	142.	36.	366.79	19.152	69.3	75.75	100.	120.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/23/45-03/21/77	31	6.	7.935	49.	0.	81.929	9.051	0.	3.	10.	15.2
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	31	28.	29.419	49.	19.	40.585	6.371	21.2	25.	34.	36.8
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	32	2.4	2.431	5.	1.2	0.907	0.953	1.26	1.725	2.75	3.91
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/74-07/22/80	10	1.9	4.75	31.	1.1	85.218	9.231	1.14	1.575	2.325	28.14
00930p	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	27	1.5	1.637	3.7	0.9	0.383	0.619	1.06	1.3	1.9	2.5
00931	SODIUM ADSORPTION RATIO	07/23/45-10/04/63	15	0.1	0.107	0.2	0.1	0.001	0.026	0.1	0.1	0.1	0.14
00932	SODIUM, PERCENT	07/23/45-10/04/63	15	4.	5.	10.	3.	4.143	2.035	3.	4.	6.	8.8
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	19	0.7	0.774	1.2	0.5	0.03	0.173	0.6	0.7	0.8	1.
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/74-07/22/80	10	0.7	1.24	7.	0.1	4.187	2.046	0.1	0.4	0.925	6.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	109	3.	3.312	31.	1.	8.587	2.93	2.	2.	4.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	112	6.	5.911	11.	3.	3.253	1.804	4.	5.	7.	9.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	16 ##	0.05	0.066	0.2	0.	0.002	0.044	0.035	0.05	0.088	0.13
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	16	4.8	4.663	6.6	1.2	1.984	1.408	2.04	4.	5.775	6.39
01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/74-09/14/82	22 ##	2.5	2.159	6.	0.5	1.081	1.04	1.5	1.5	2.5	2.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	59 ##	0.5	2.796	10.	0.	15.703	3.963	0.	0.5	5.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	55 ##	0.5	4.109	140.	0.	353.83	18.81	0.	0.5	2.	4.8
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	61 ##	8.5	16.508	200.	0.	904.437	30.074	2.	6.75	11.	28.
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	26	157.	625.115	4800.	15.	1211141.226	1100.519	47.	77.5	622.75	2530.
01046p	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	16	12.5	33.25	140.	0.	2092.067	45.739	0.	4.75	40.	133.
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	47	2.	45.213	480.	0.	10305.204	101.515	0.5	1.	35.	146.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	27	39.	51.704	270.	5.	3964.351	62.963	5.	13.5	61.	112.8
01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	56	10.	36.259	960.	0.	16621.764	128.925	3.7	5.	21.	40.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	53	8.	126.406	2500.	2.	151562.549	389.31	2.	2.	65.5	312.

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	53	0.903	1.18	3.398	0.301	0.729	0.854	0.301	0.301	1.816	2.477
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.131								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	5	0.	0.	0.	0.	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	90	103.	115.922	1060.	77.	10505.691	102.497	85.	92.	114.25	126.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/23/45-10/04/63	14	88.5	90.929	147.	66.	393.302	19.832	68.5	77.75	101.5	125.
70302p	SOLIDS, DISSOLVED-TONS PER DAY	07/23/45-09/29/81	20	194.	633.842	4050.01	63.	1000784.542	1000.392	80.12	110.75	611.75	2486.01
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	41	0.14	0.144	0.29	0.1	0.001	0.033	0.12	0.13	0.15	0.186
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	49	0.01	0.02	0.175	0.005	0.001	0.032	0.005	0.008	0.018	0.04
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/23/45-10/04/63	24	0.75	0.983	3.1	0.	0.644	0.803	0.1	0.375	1.325	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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0080

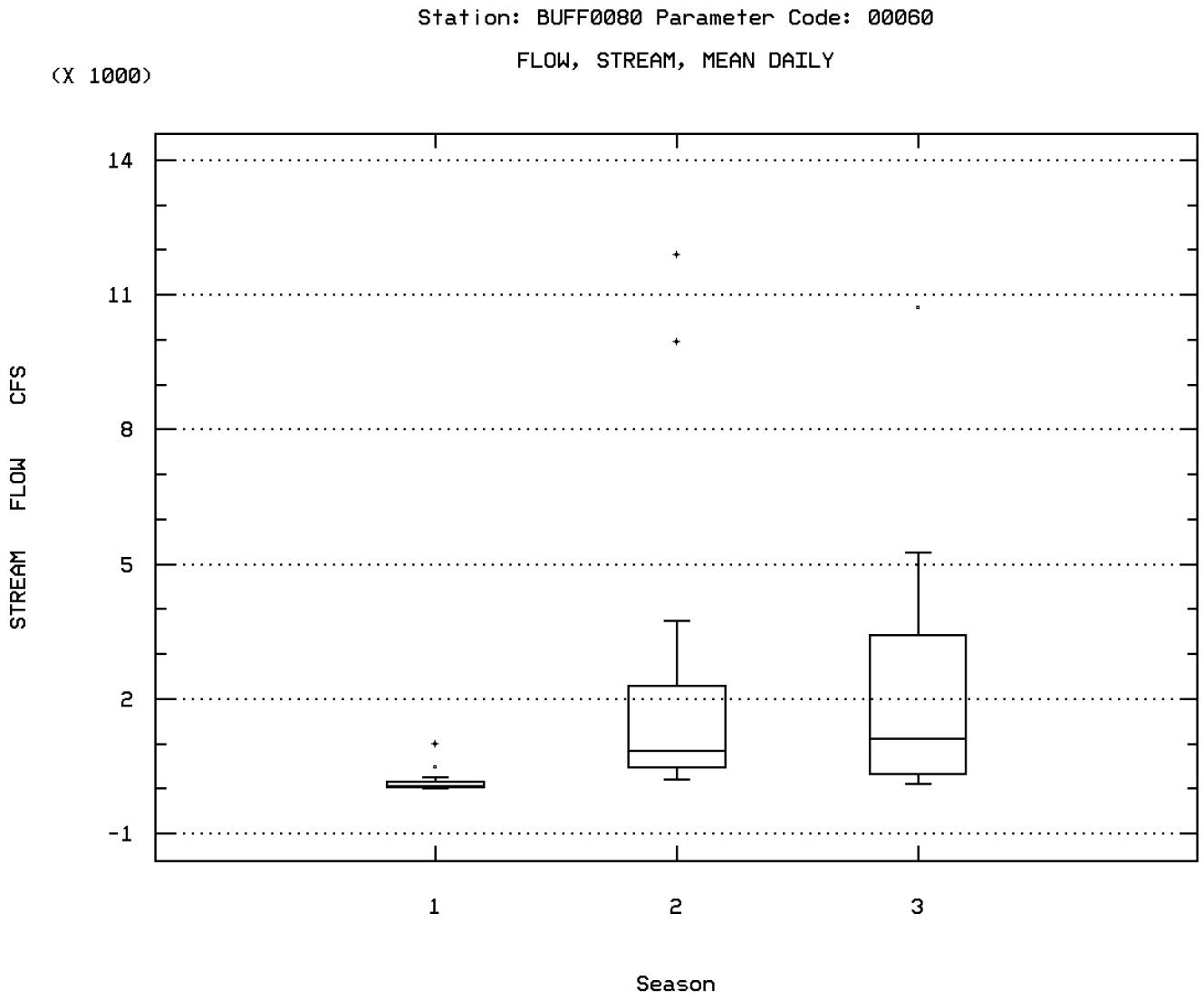
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/46-08/21/96	58	23.	23.143	31.	15.	14.866	3.856	17.	21.	26.15	28.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-08/21/96	29	25.	24.879	37.	16.	32.42	5.694	17.3	20.	28.15	34.
00060p	FLOW, STREAM, MEAN DAILY CFS	07/23/45-01/23/90	12	1118.5	2359.75	10700.	103.	9660223.295	3108.09	142.	308.75	3698.5	9068.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/74-08/21/96	56	434.	924.411	7020.	50.	1845475.483	1358.483	87.1	195.75	971.25	2755.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/14/80-05/22/90	20	2.75	8.46	40.	0.9	124.738	11.169	1.	1.7	17.125	25.
00080p	COLOR (PLATINUM-COBALT UNITS)	10/18/49-08/19/80	18	9.	9.556	40.	0.	81.556	9.031	0.	5.	10.	22.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/45-08/21/96	38	211.	214.474	348.	141.	1380.959	37.161	175.	187.75	237.5	249.2
00300p	OXYGEN, DISSOLVED MG/L	04/10/74-08/21/96	49	8.9	8.722	10.7	6.7	0.957	0.978	7.3	8.	9.5	9.9
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-04/05/83	16	92.	94.063	116.	76.	108.863	10.434	82.3	89.	98.5	114.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-09/27/94	41	1.4	1.507	3.9	0.1	0.836	0.914	0.5	0.7	2.05	2.88
00335	COD, .025N K2CR2O7 MG/L	10/09/78-09/09/86	14	4.5	5.179	11.	0.5	11.446	3.383	0.75	2.75	7.75	10.5
00400p	PH (STANDARD UNITS)	07/23/45-08/21/96	61	8.	7.993	8.58	7.23	0.066	0.256	7.632	7.895	8.175	8.284
00400p	CONVERTED PH (STANDARD UNITS)	07/23/45-08/21/96	61	8.	7.907	8.58	7.23	0.073	0.271	7.632	7.895	8.175	8.284
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/45-08/21/96	61	0.01	0.012	0.059	0.003	0.	0.01	0.005	0.007	0.013	0.024
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/45-07/22/80	13	120.	115.154	165.	87.	519.474	22.792	87.	94.5	128.	154.6
00440p	BICARBONATE ION (MG/L AS HCO3)	07/23/45-03/21/77	12	140.	139.333	201.	106.	861.152	29.345	106.	110.	157.	191.4
00445p	CARBONATE ION (MG/L AS CO3)	07/23/45-03/21/77	12	0.	0.25	3.	0.	0.75	0.866	0.	0.	0.	2.1
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-09/27/94	42	4.5	11.607	195.	0.5	898.031	29.967	0.5	2.	8.5	24.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-08/09/94	37	0.03	0.039	0.16	0.005	0.001	0.033	0.005	0.02	0.06	0.084
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-09/16/80	12	0.095	0.133	0.4	0.03	0.011	0.106	0.036	0.05	0.188	0.346
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-08/21/96	23	0.1	0.307	1.1	0.05	0.113	0.337	0.05	0.1	0.4	1.06
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/77-09/27/94	29	0.07	0.094	0.28	0.01	0.004	0.064	0.04	0.05	0.125	0.21
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-08/21/96	48	0.015	0.026	0.11	0.005	0.001	0.026	0.005	0.01	0.039	0.07
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/45-09/13/88	28	110.	111.357	204.	70.	675.497	25.99	83.2	92.5	120.	142.2
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/23/45-03/21/77	12	3.	6.833	39.	0.	115.061	10.727	0.	2.	8.	30.9
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/45-08/21/96	15	37.	36.933	48.	30.	24.638	4.964	30.6	32.	40.	45.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/45-08/21/96	15	2.7	2.793	3.8	2.	0.282	0.531	2.12	2.4	3.	3.68
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/74-07/22/80	3	2.	2.633	4.	1.9	1.403	1.185	**	**	**	**
00930p	SODIUM, DISSOLVED (MG/L AS NA)	07/23/45-08/21/96	14	1.55	1.707	2.8	1.2	0.191	0.438	1.3	1.475	1.875	2.6
00931	SODIUM ADSORPTION RATIO	07/23/45-10/04/63	6	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/23/45-10/04/63	6	3.5	3.833	6.	3.	1.367	1.169	**	**	**	**
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/49-08/21/96	11	0.9	0.945	1.4	0.7	0.041	0.202	0.72	0.8	1.	1.36
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/74-07/22/80	3	1.15	1.083	1.2	0.9	0.026	0.161	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/28/46-08/21/96	58	3.	2.879	5.	1.	1.02	1.01	2.	2.	4.	4.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/23/45-08/21/96	58	5.	4.517	10.	0.5	3.193	1.787	2.	3.75	6.	6.1

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/49-08/21/96	10 ##	0.05	0.085	0.3	0.05	0.006	0.078	0.05	0.05	0.1	0.28
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/18/49-08/21/96	10	6.45	6.13	8.3	3.6	3.169	1.78	3.6	4.575	7.6	8.26
01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/74-09/14/82	9 ##	2.5	2.444	5.	1.5	1.153	1.074	1.5	1.5	2.5	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-03/22/94	22 ##	0.5	2.659	10.	0.	16.652	4.081	0.15	0.5	3.25	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-03/22/94	22 ##	0.5	1.273	7.	0.	3.255	1.804	0.	0.5	1.125	4.95
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-03/22/94	27 ##	7.5	16.426	97.	0.	448.937	21.188	3.2	5.	18.	50.
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-07/22/80	10	206.5	961.5	4500.	5.	2861510.722	1691.6	11.5	83.5	1182.5	4430.
01046p	IRON, DISSOLVED (UG/L AS FE)	10/26/53-08/21/96	10	20.5	24.9	100.	6.	763.656	27.634	6.1	7.75	24.75	93.
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-03/22/94	24	2.	10.438	84.	0.5	407.137	20.178	0.5	0.5	9.	45.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-07/22/80	10	56.5	85.55	270.	2.	7900.469	88.885	3.15	19.875	116.5	265.
01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-12/12/89	26	9.5	14.519	60.	0.	223.39	14.946	1.5	5.	20.	41.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	26	24.5	81.538	620.	2.	26609.778	163.125	2.	5.5	65.	334.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-07/08/94	26	1.389	1.344	2.792	0.301	0.507	0.712	0.301	0.734	1.809	2.473
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.059								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-09/10/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/45-08/21/96	50	126.5	126.54	219.	85.	618.866	24.877	96.1	106.5	138.	157.6
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/23/45-10/04/63	5	111.	112.	140.	94.	302.5	17.393	**	**	**	**
70302p	SOLIDS, DISSOLVED-TONS PER DAY	07/23/45-09/29/81	13	300.	900.171	4570.	34.8	1663342.927	1289.707	51.08	98.45	1059.005	3702.004
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/45-09/13/88	22	0.17	0.18	0.3	0.12	0.002	0.039	0.133	0.16	0.203	0.227
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-09/27/94	29 ##	0.01	0.015	0.041	0.005	0.	0.012	0.005	0.005	0.015	0.04
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/23/45-10/04/63	10	0.85	1.04	3.8	0.	1.158	1.076	0.02	0.275	1.3	3.55

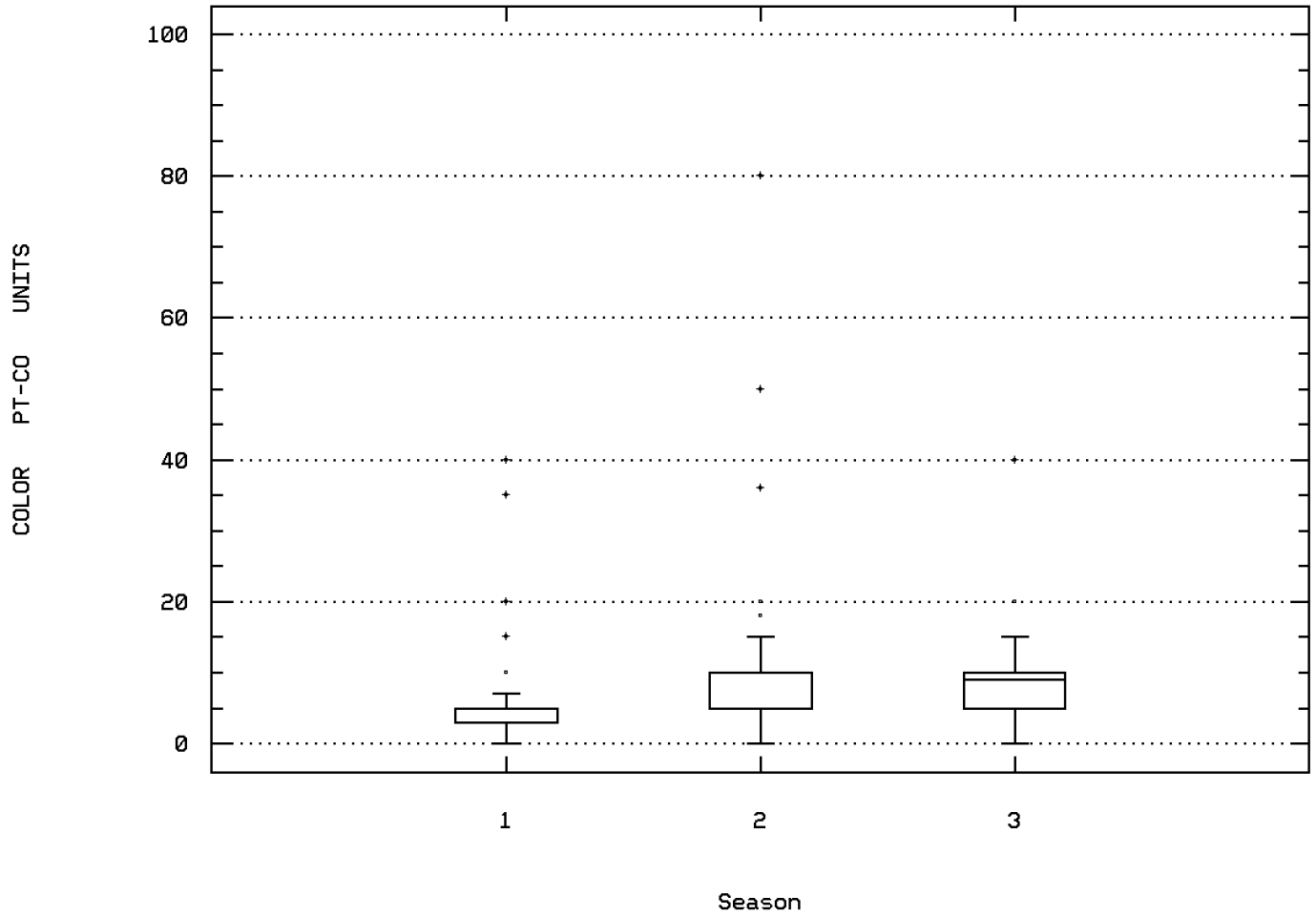
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00080

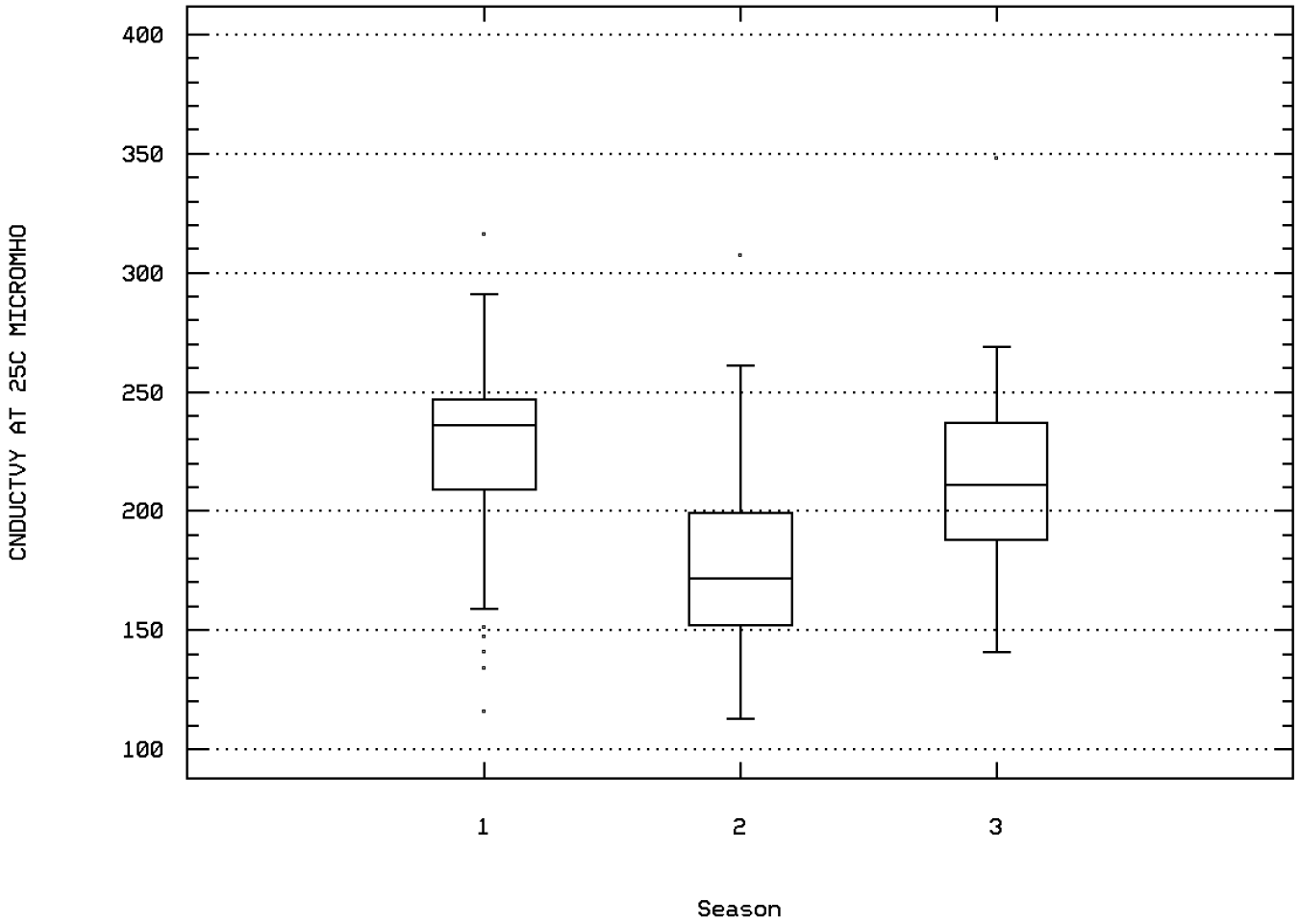
COLOR (PLATINUM-COBALT UNITS)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00095

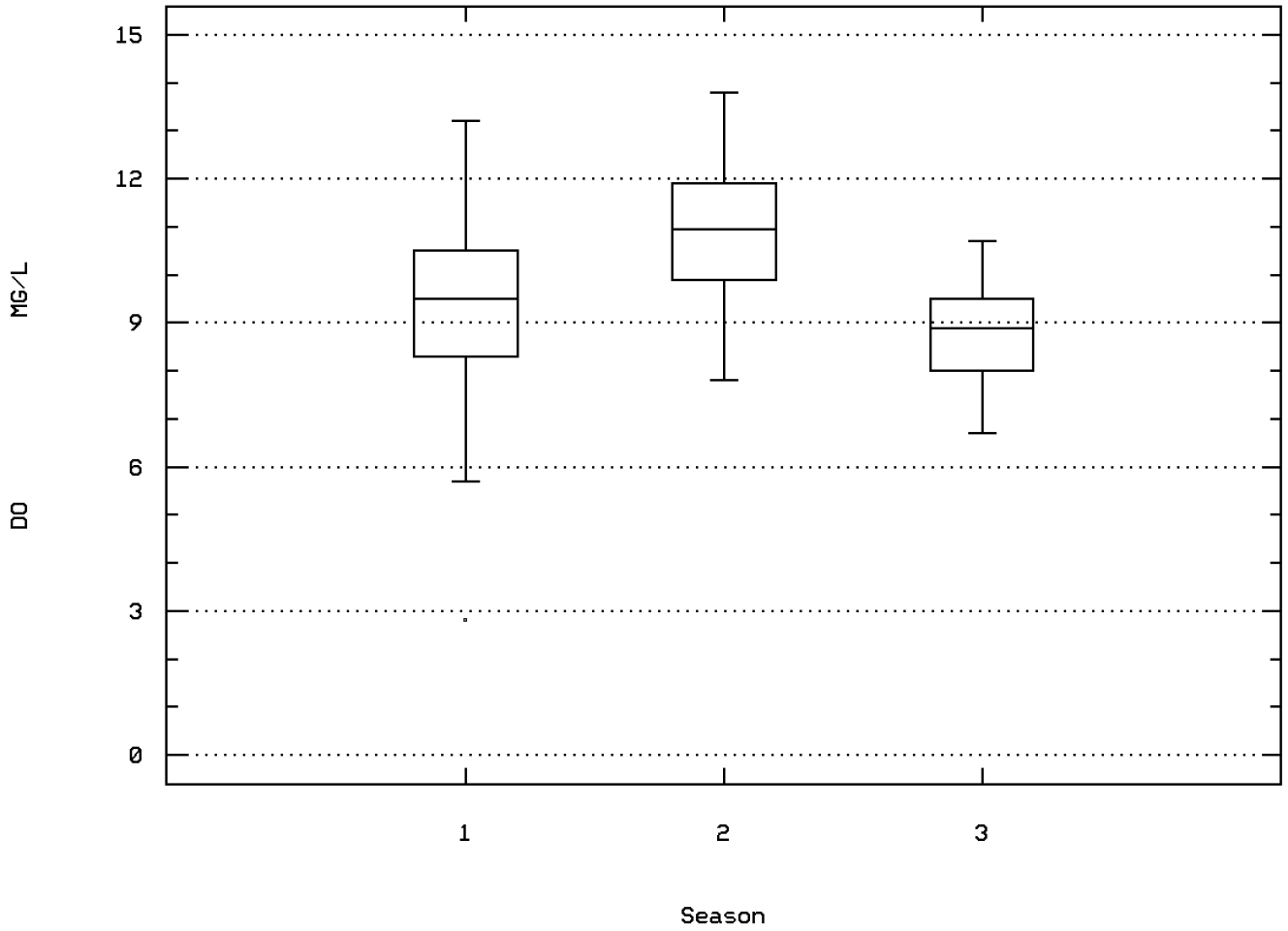
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00300

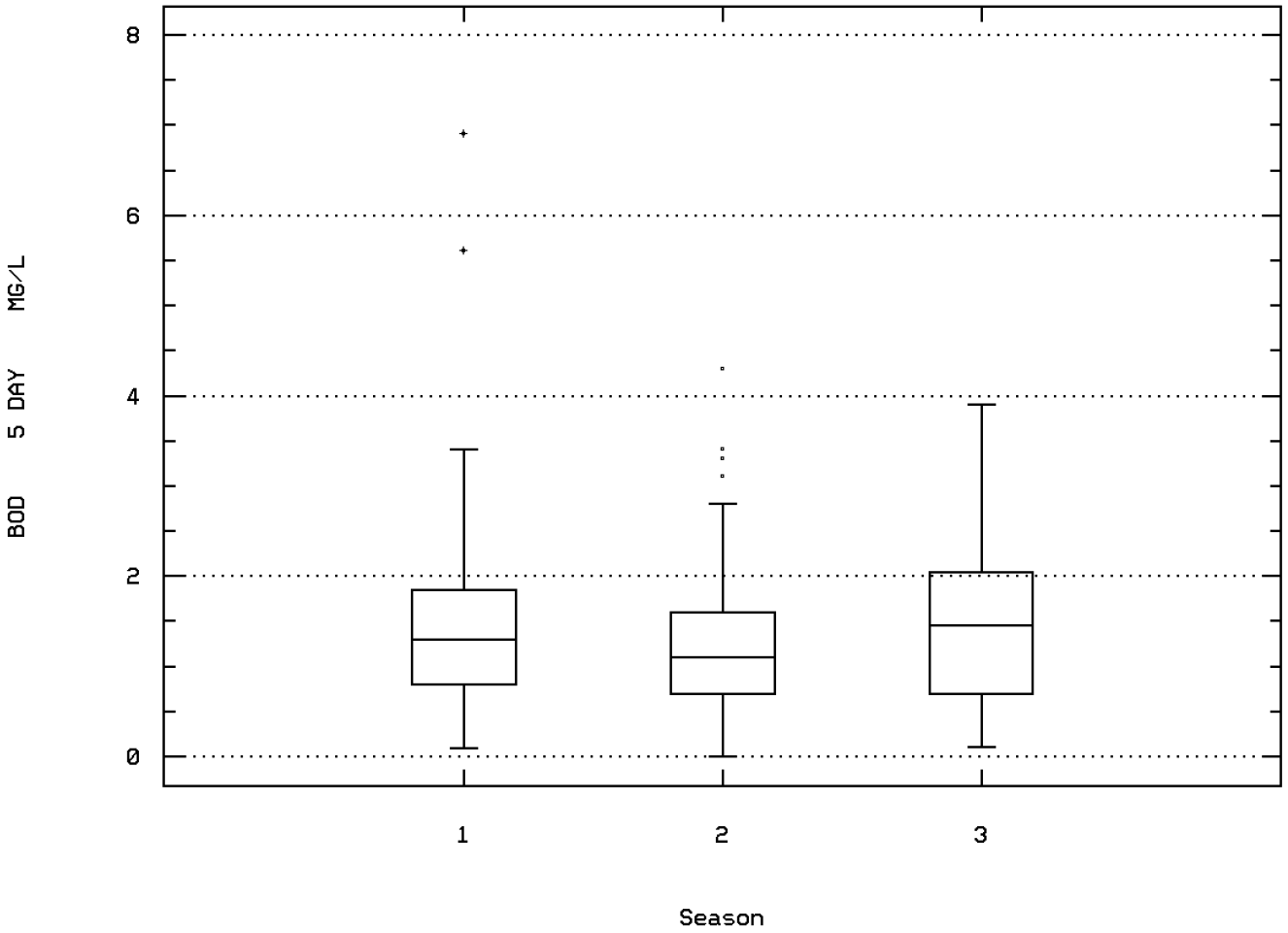
OXYGEN, DISSOLVED



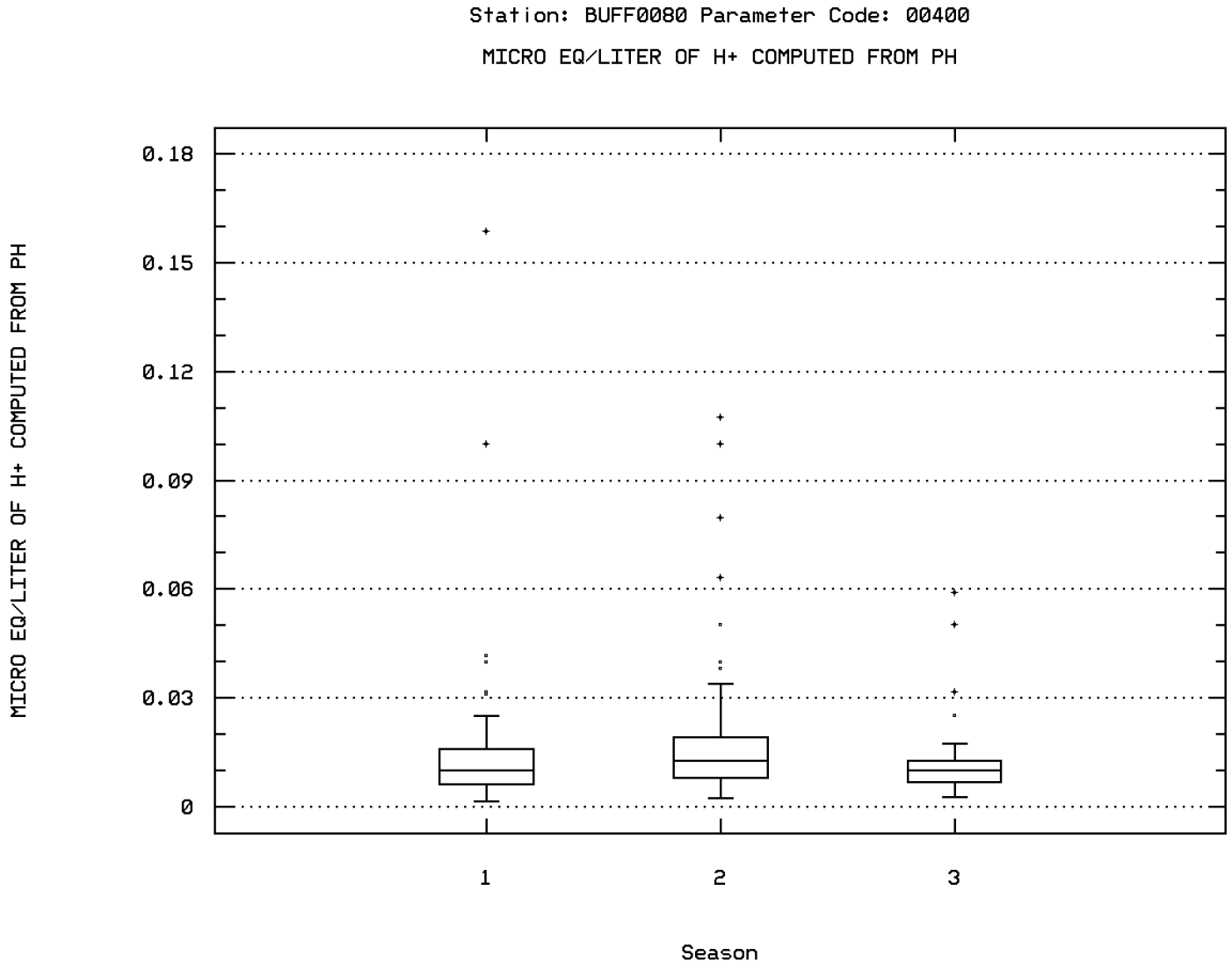
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00310

BOD, 5 DAY, 20 DEG C



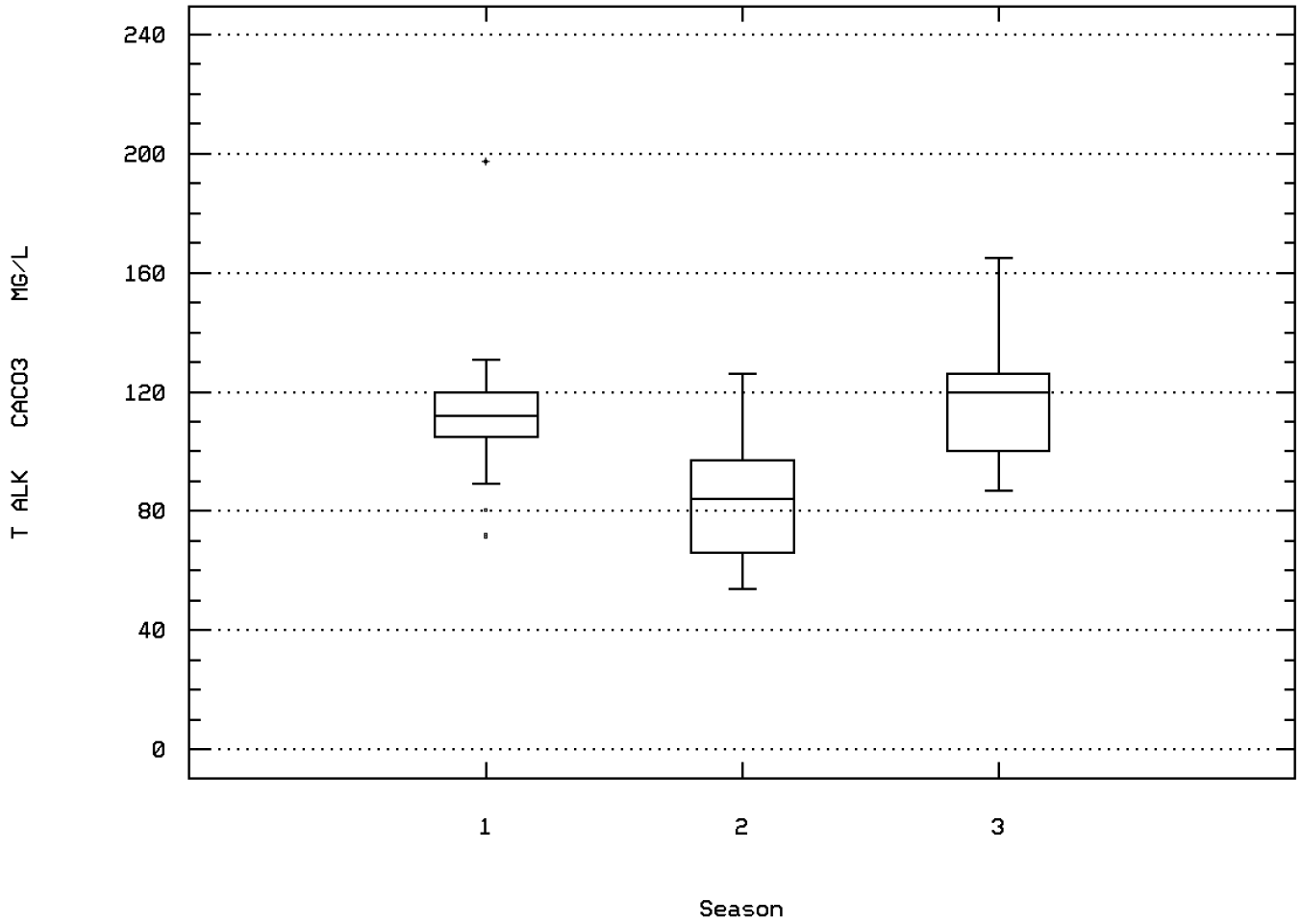
BUFFALO RIVER NEAR ST. JOE, ARK.



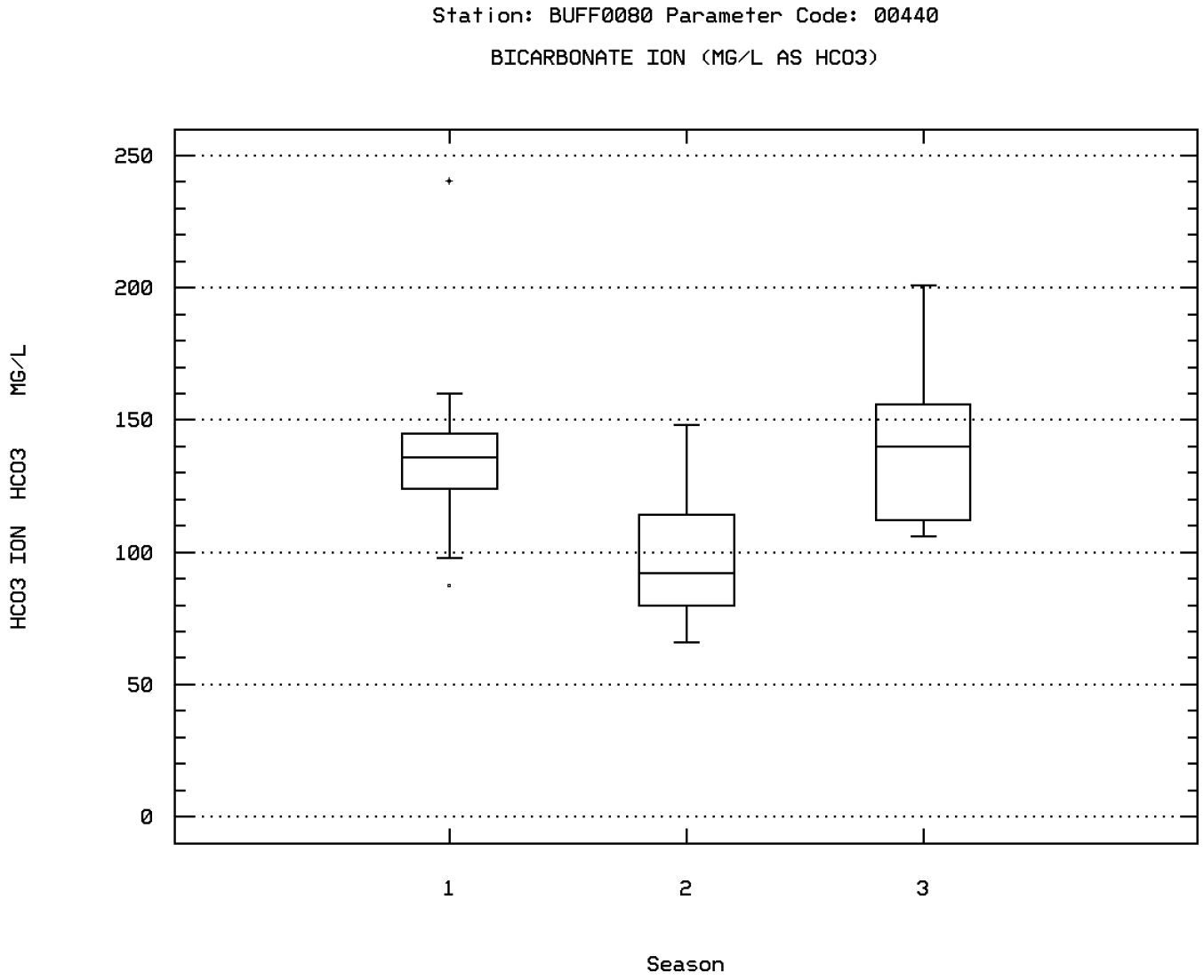
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00410

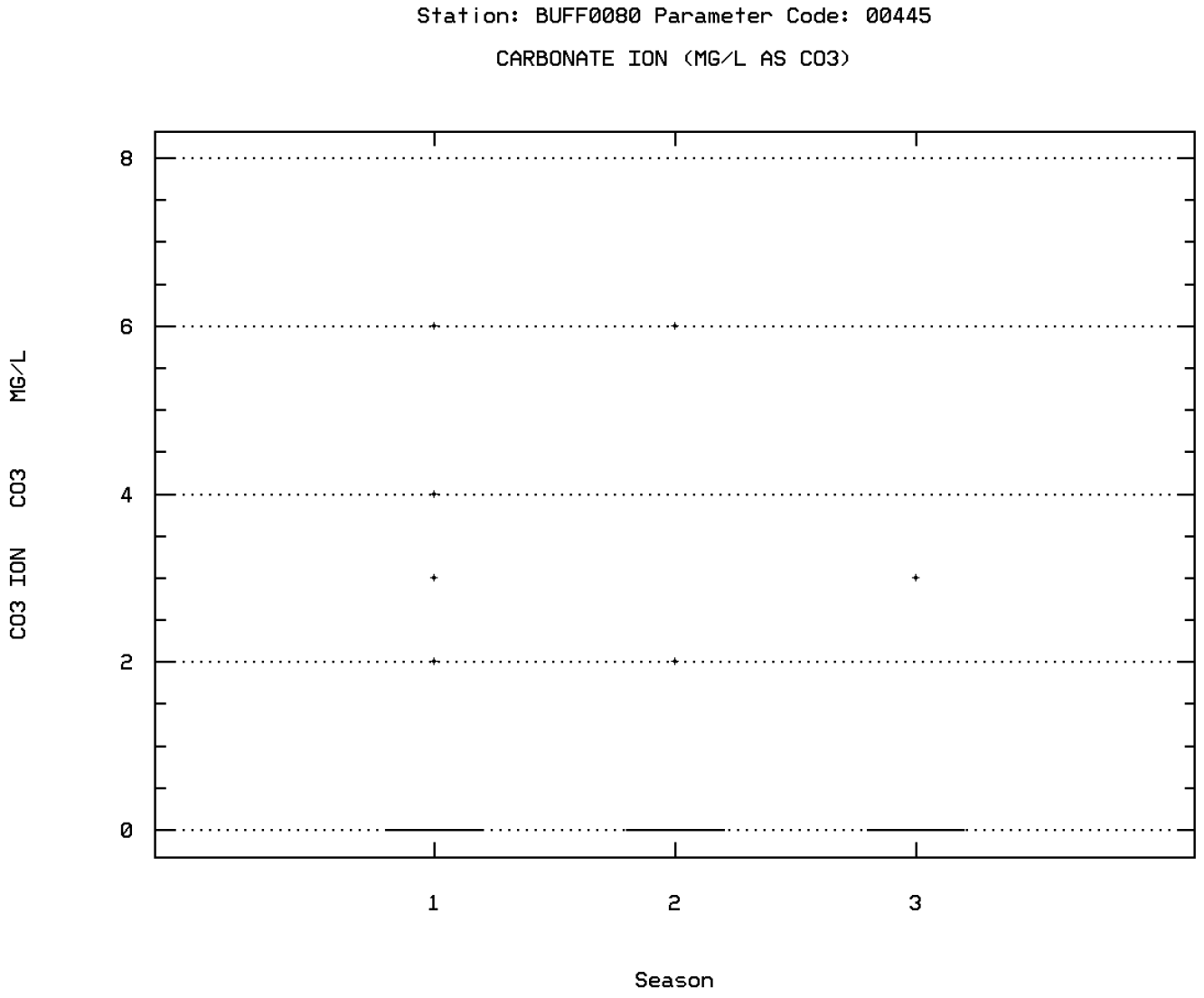
ALKALINITY, TOTAL (MG/L AS CACO3)



BUFFALO RIVER NEAR ST. JOE, ARK.



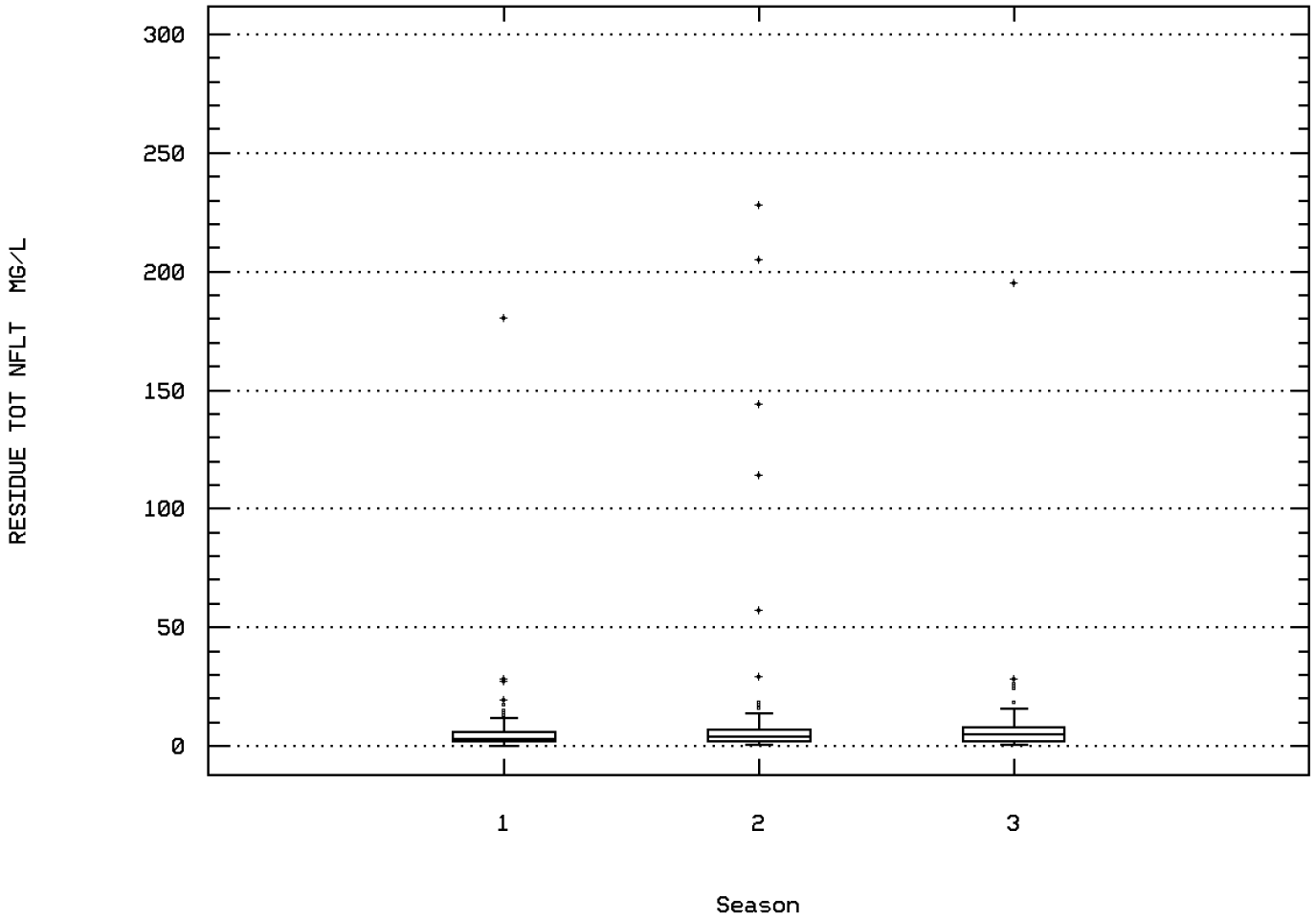
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00530

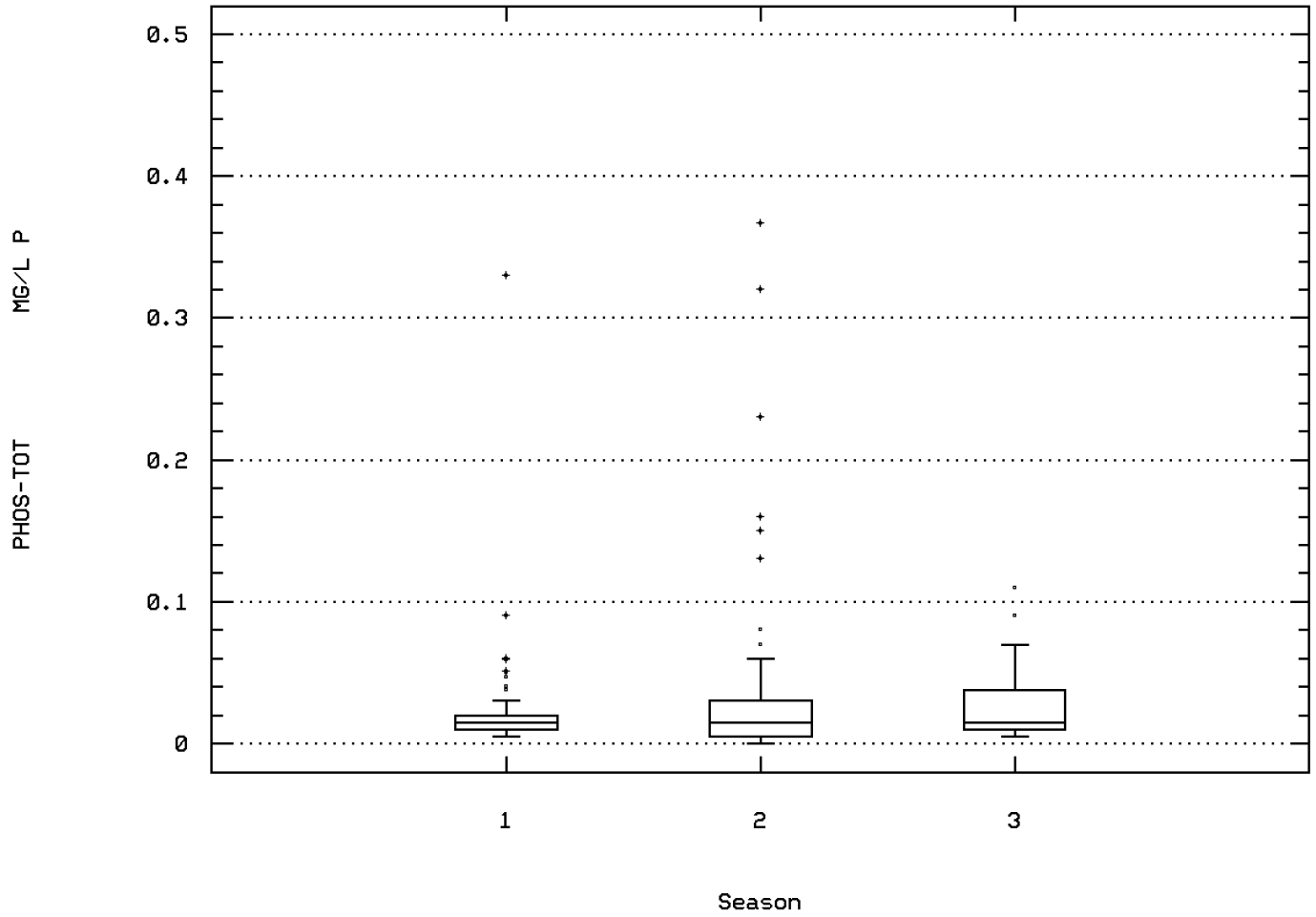
RESIDUE, TOTAL NONFILTRABLE (MG/L)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00665

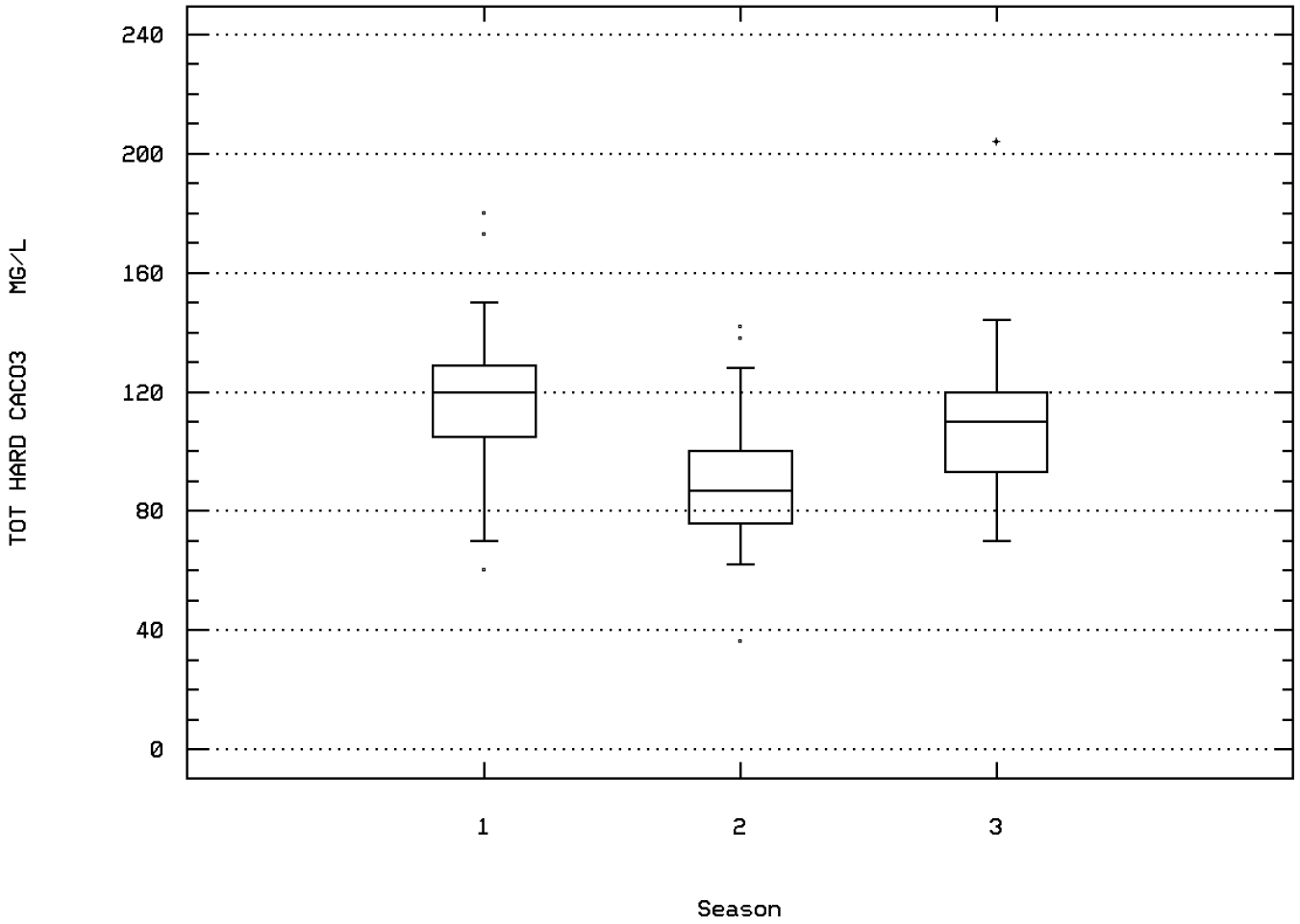
PHOSPHORUS, TOTAL (MG/L AS P)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00900

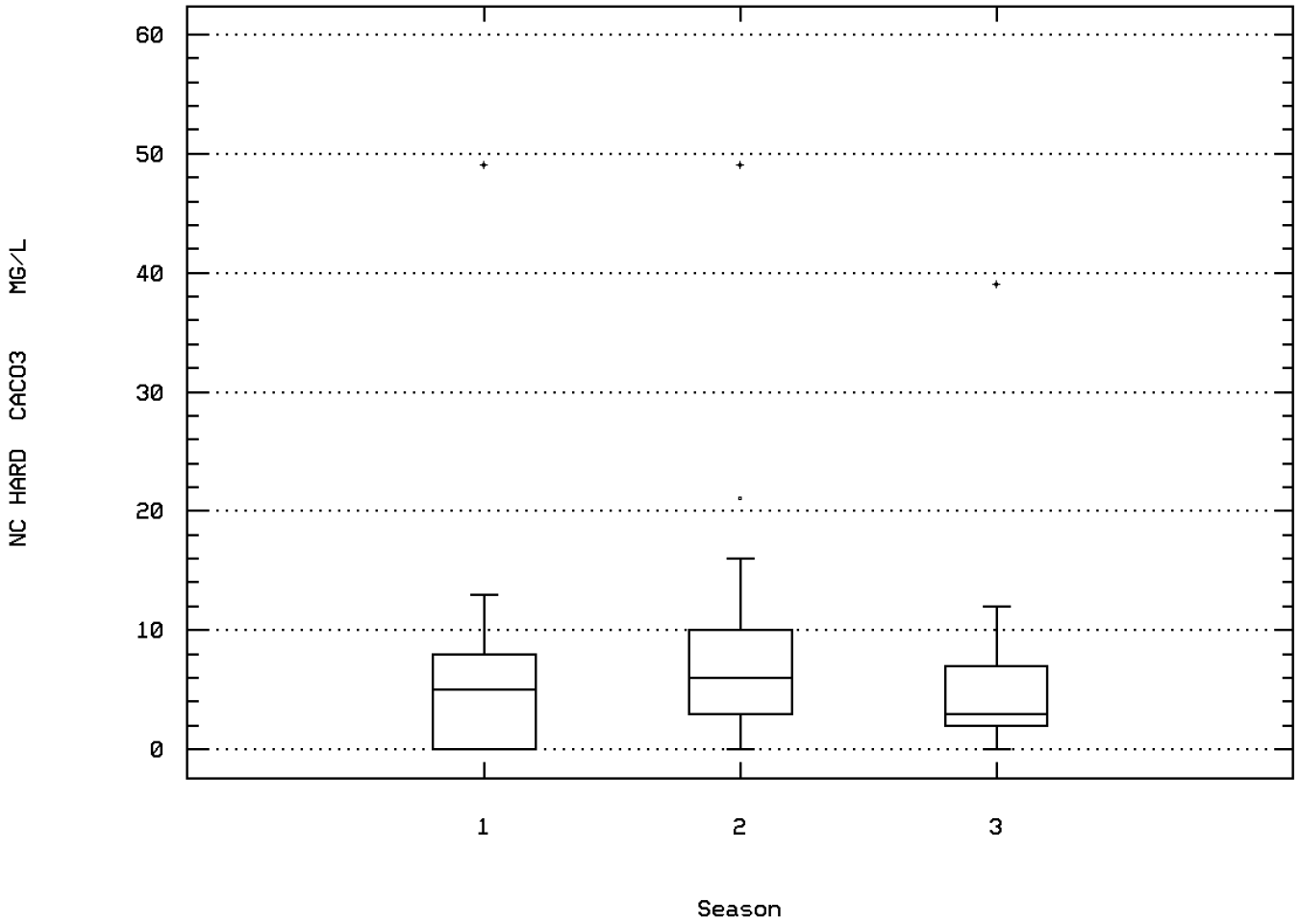
HARDNESS, TOTAL (MG/L AS CACO3)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00902

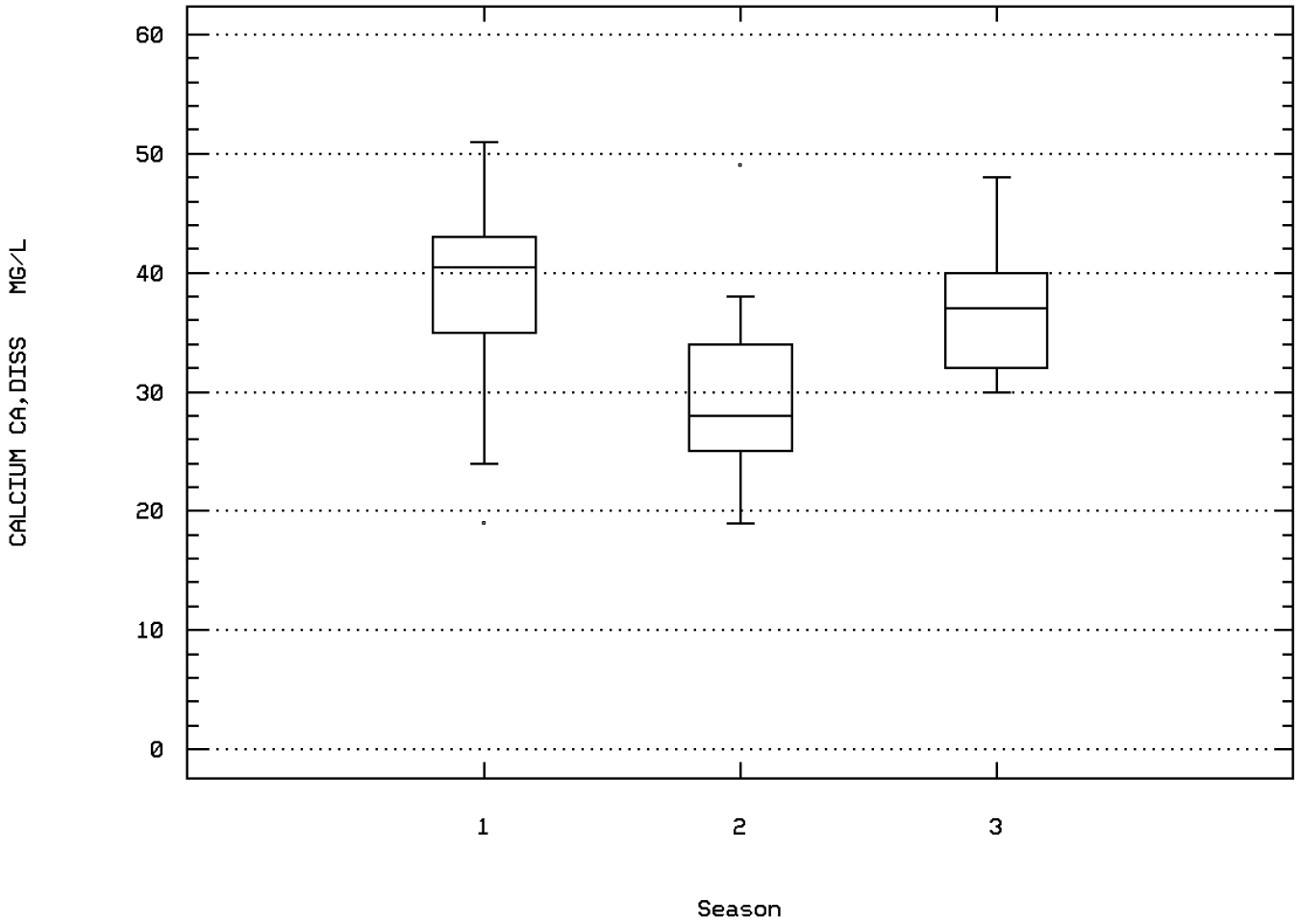
HARDNESS, NON-CARBONATE (MG/L AS CACO3)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00915

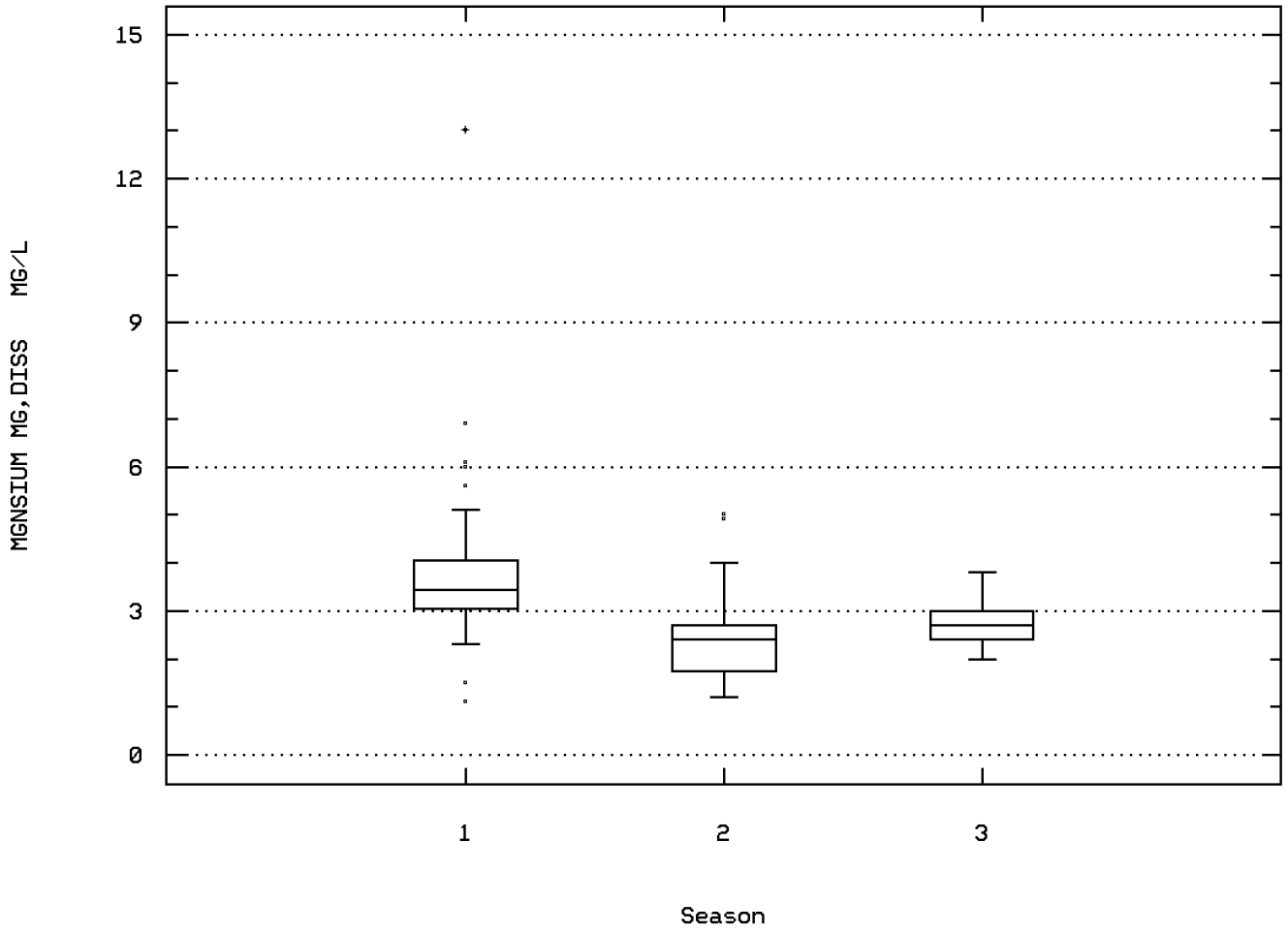
CALCIUM, DISSOLVED (MG/L AS CA)



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00925

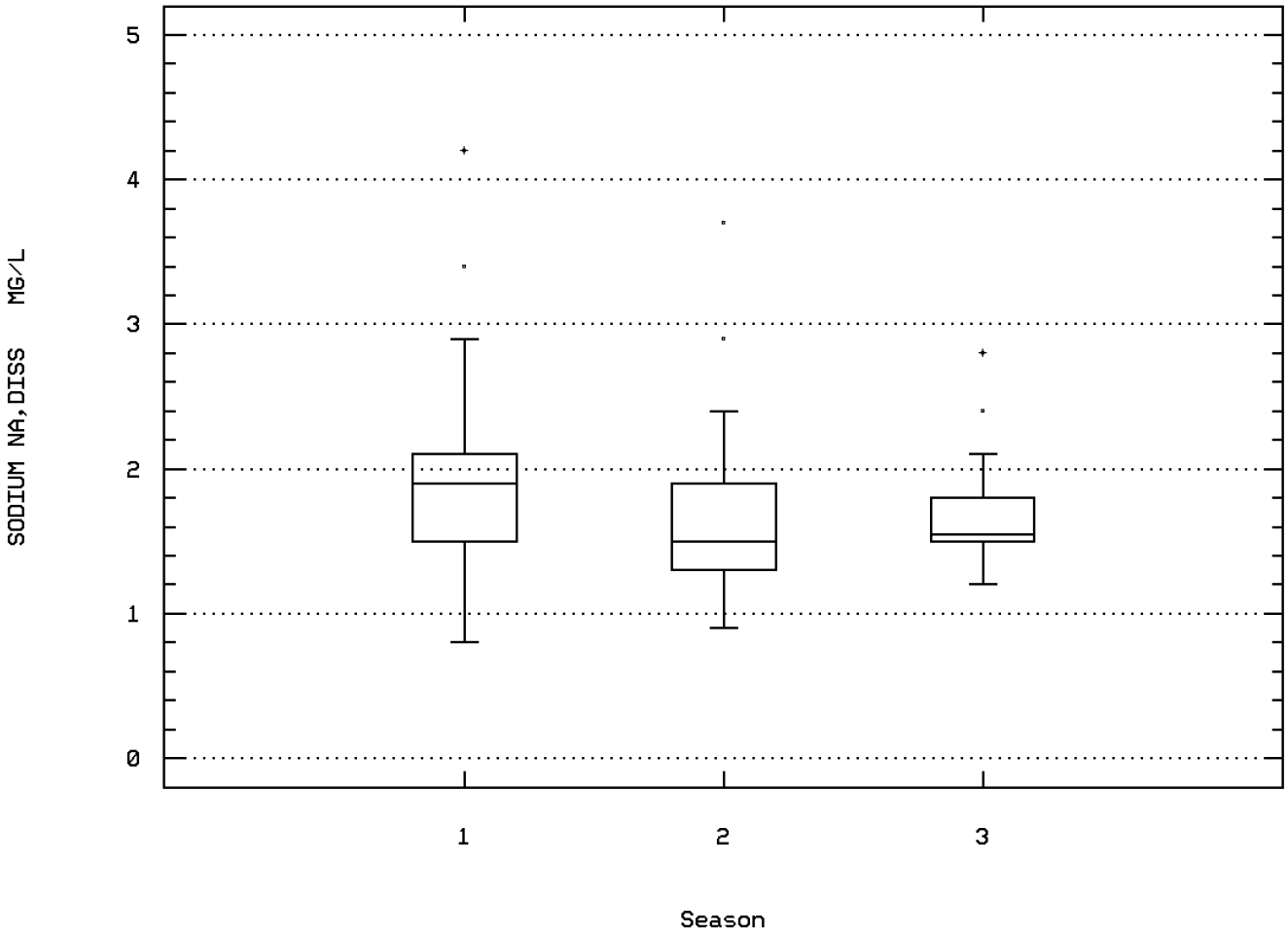
MAGNESIUM, DISSOLVED (MG/L AS MG)



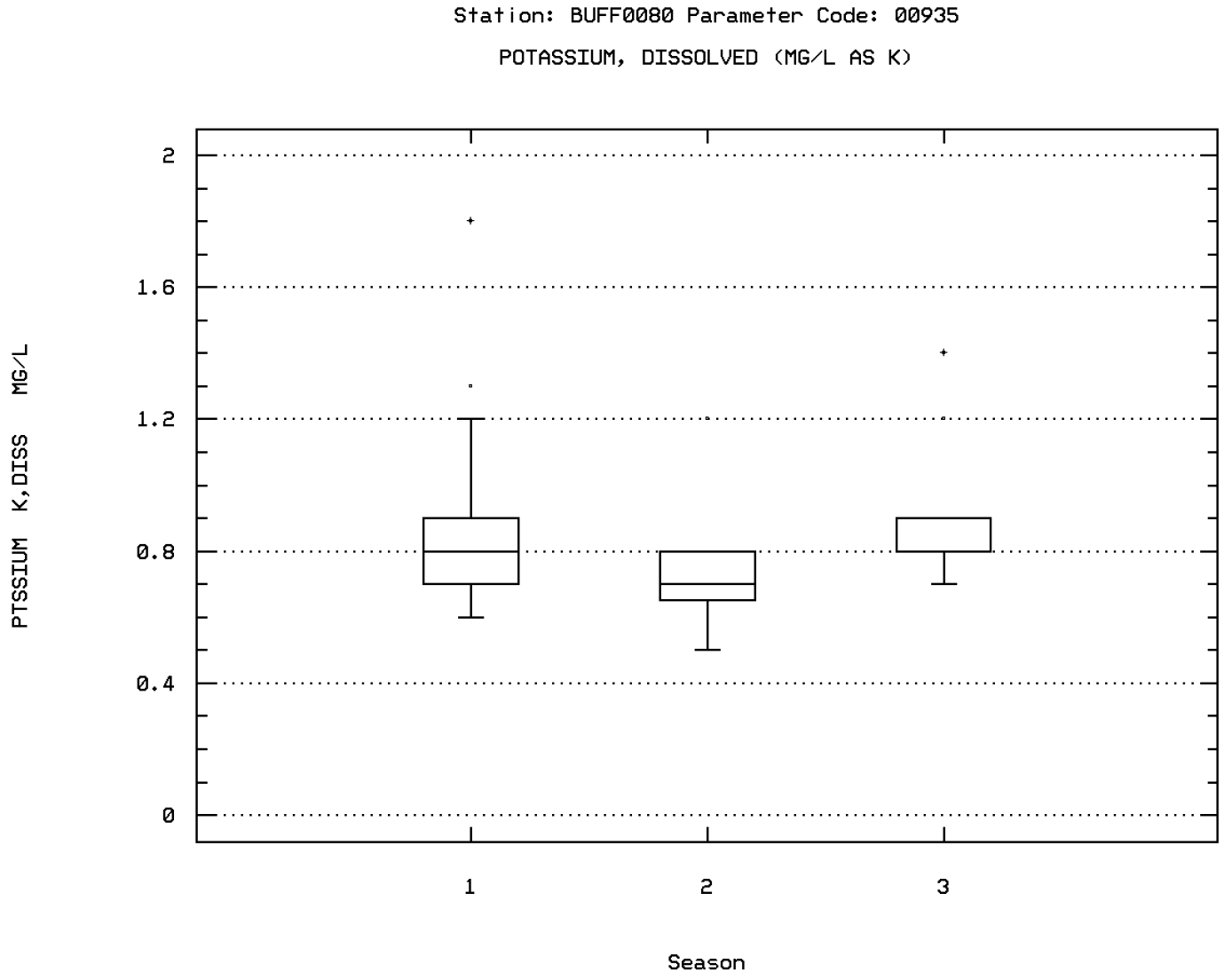
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00930

SODIUM, DISSOLVED (MG/L AS NA)



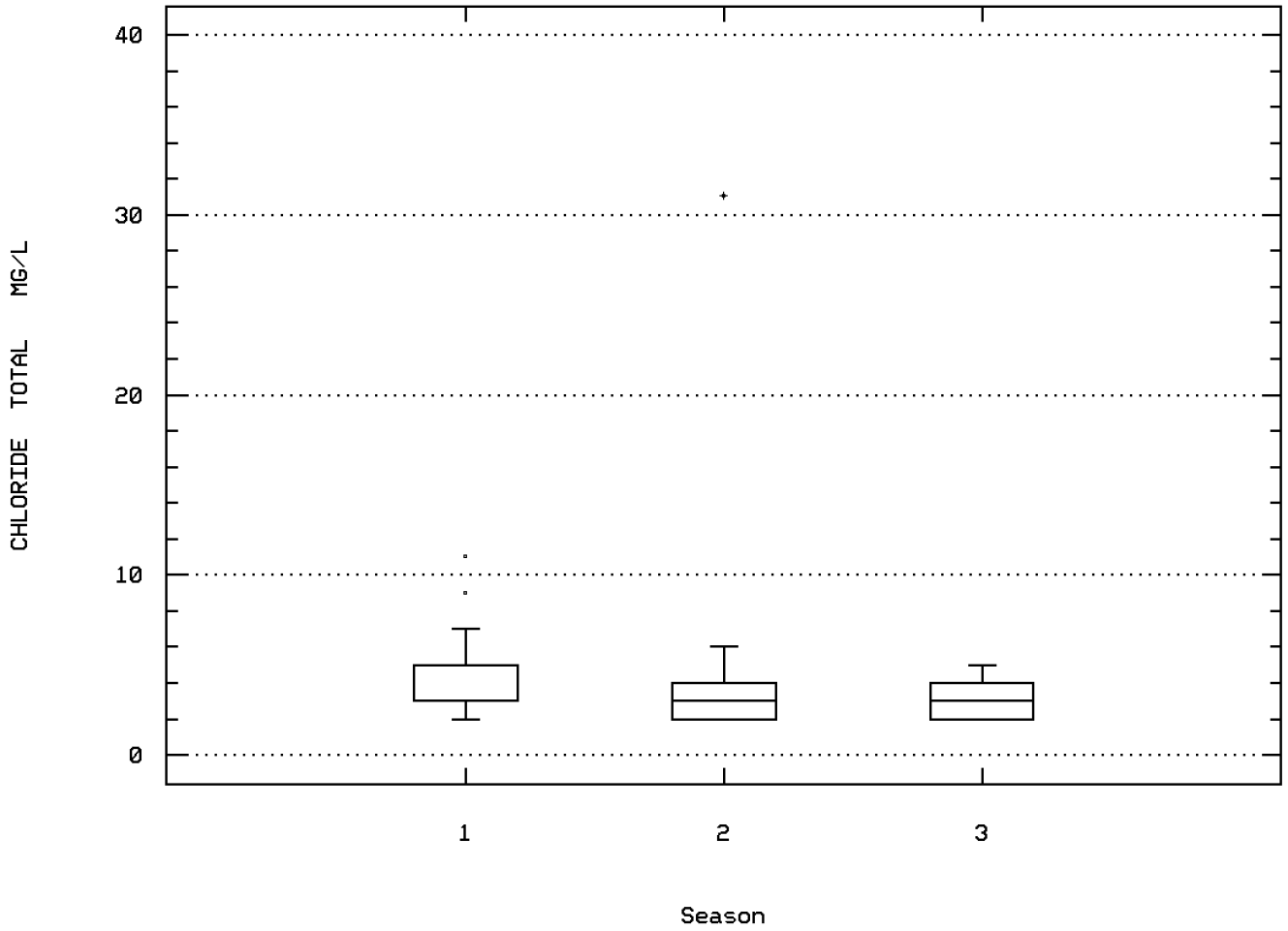
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00940

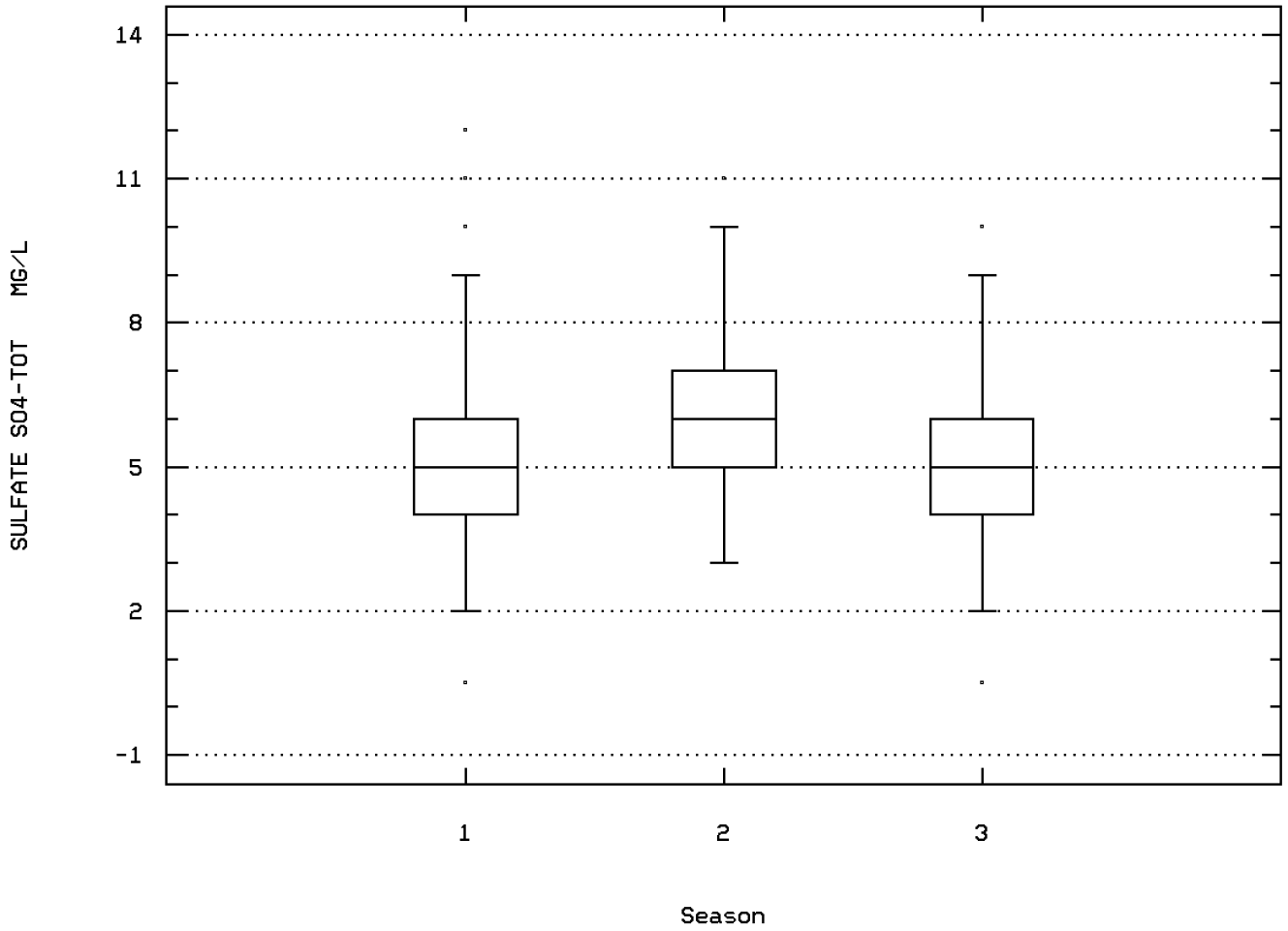
CHLORIDE,TOTAL IN WATER



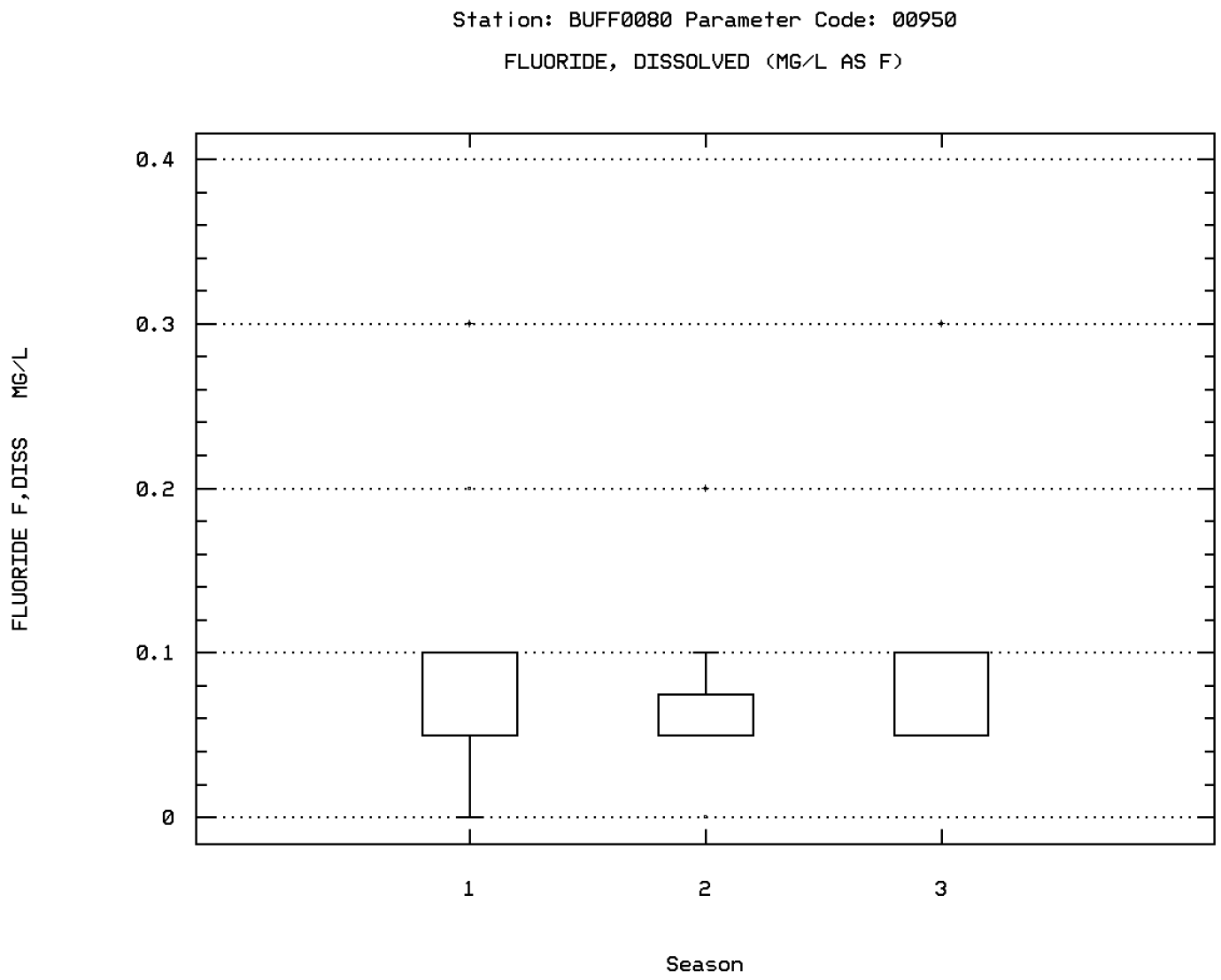
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00945

SULFATE, TOTAL (MG/L AS SO4)



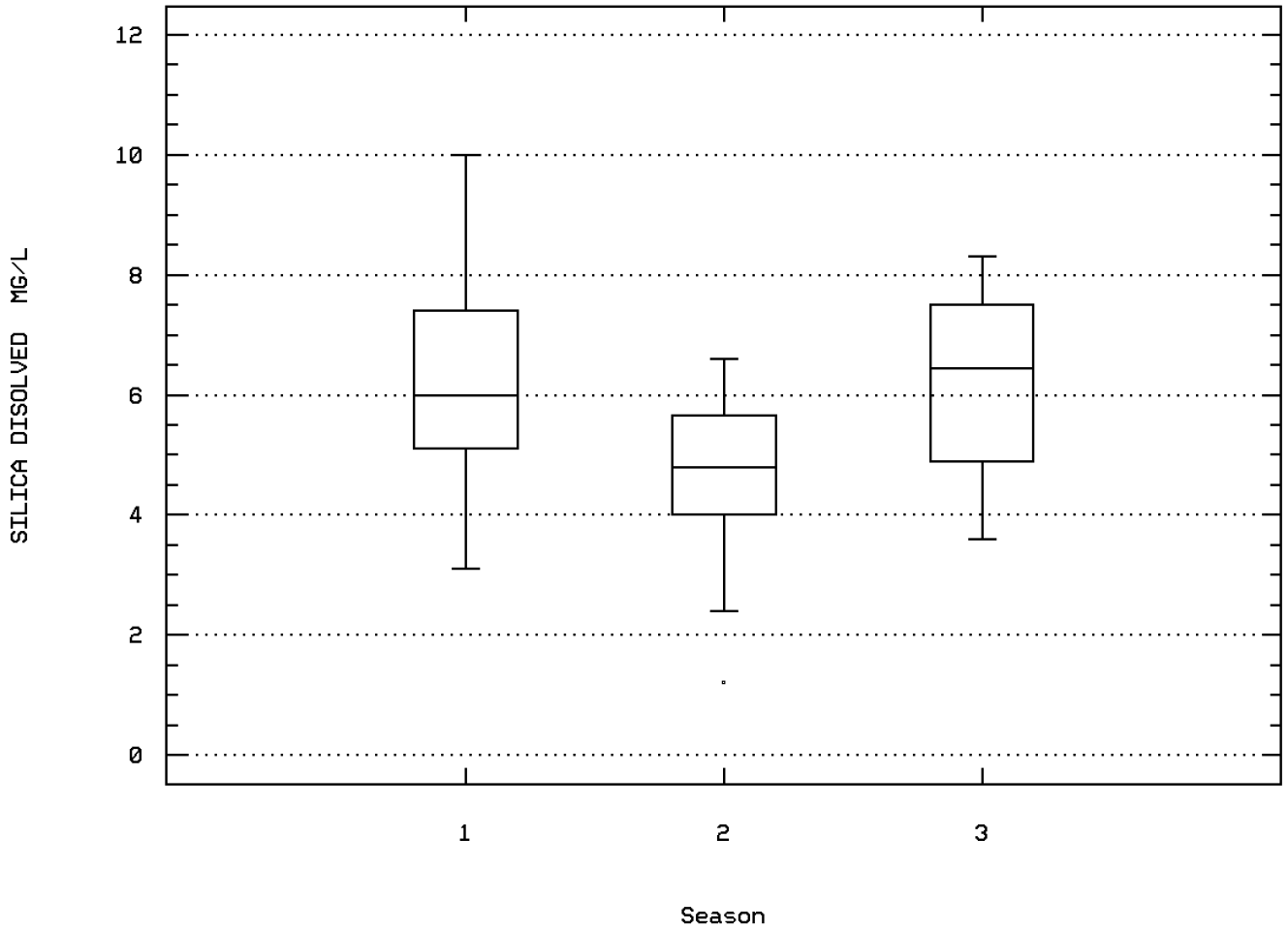
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 00955

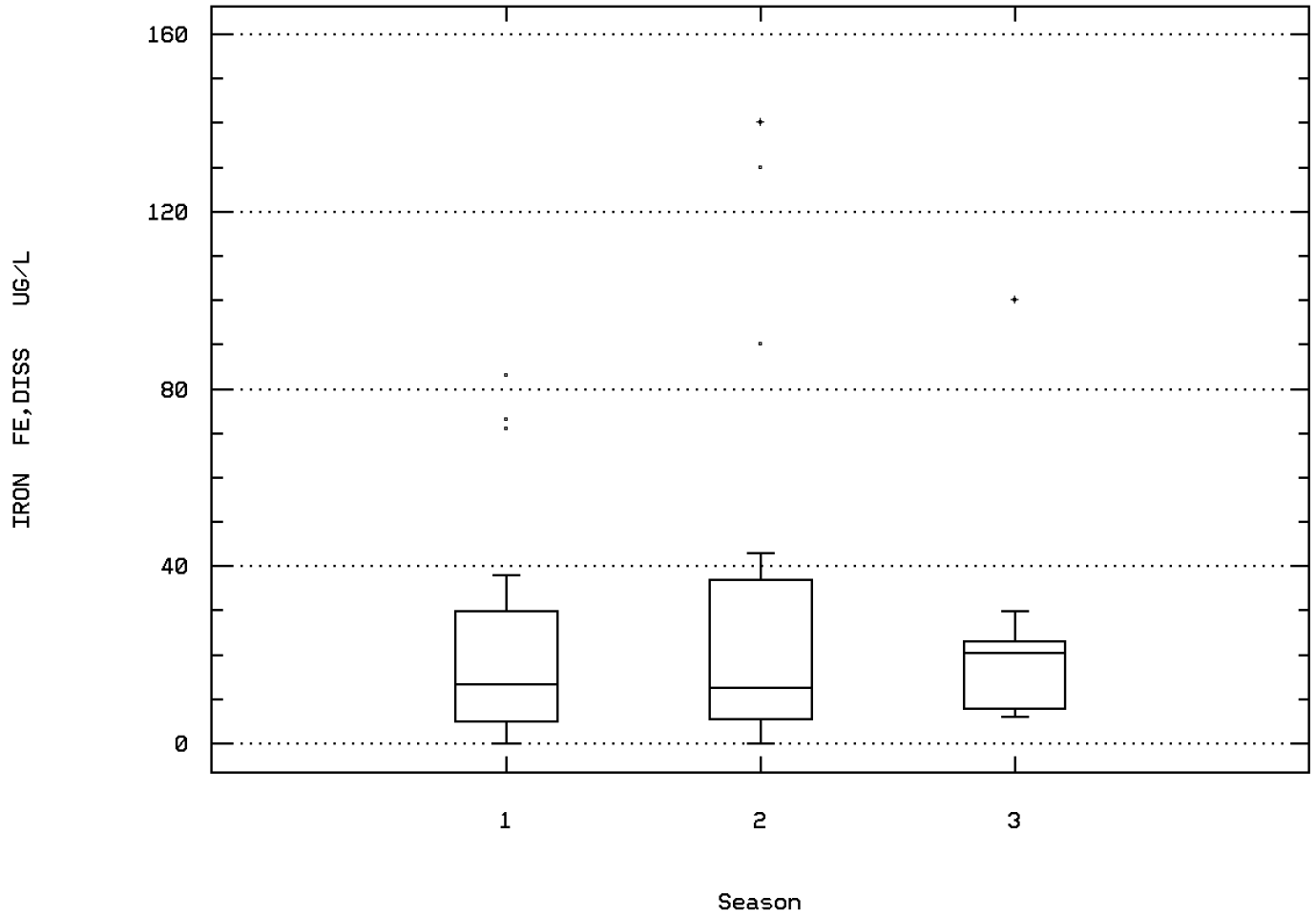
SILICA, DISSOLVED (MG/L AS SI02)



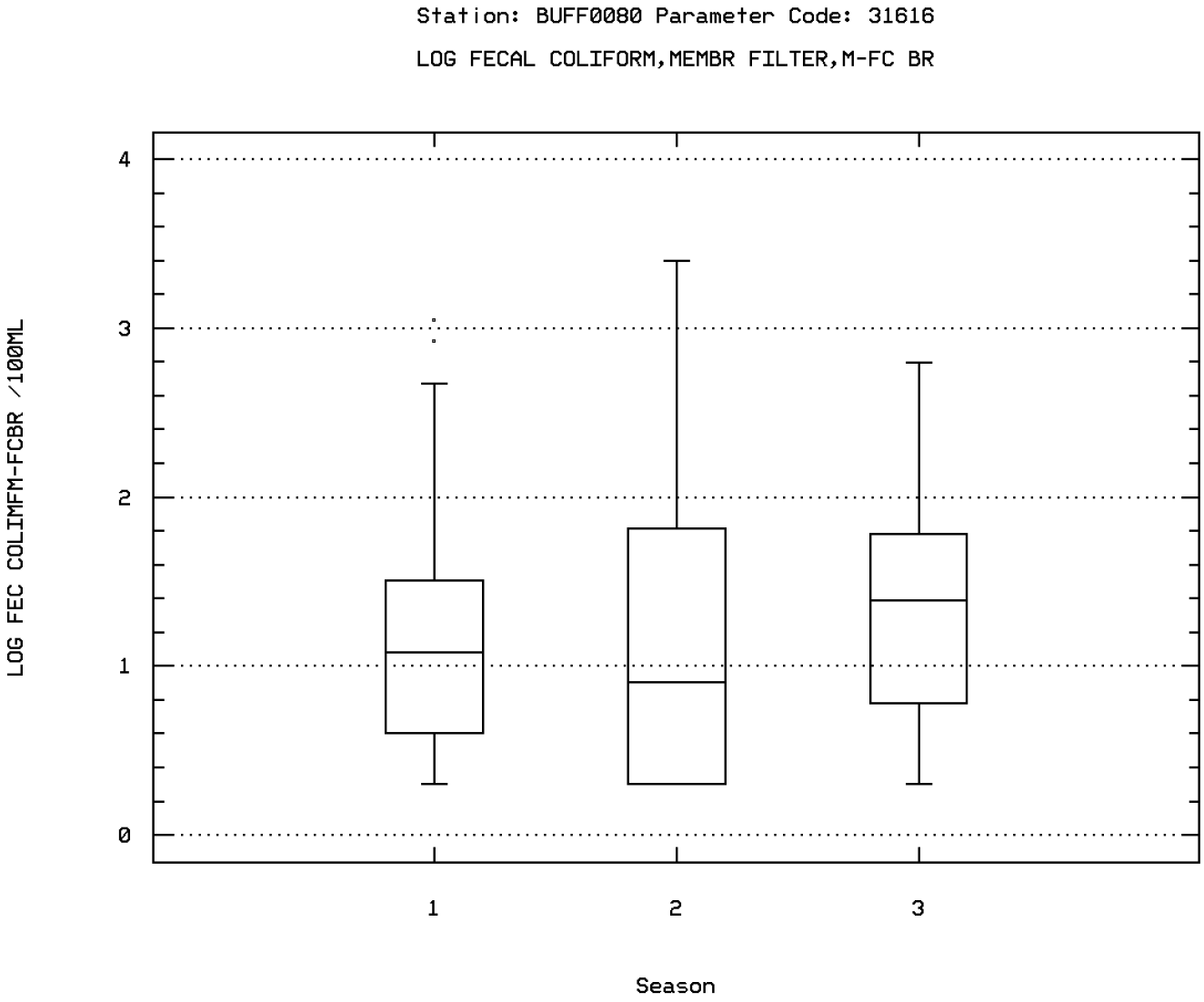
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 01046

IRON, DISSOLVED (UG/L AS FE)



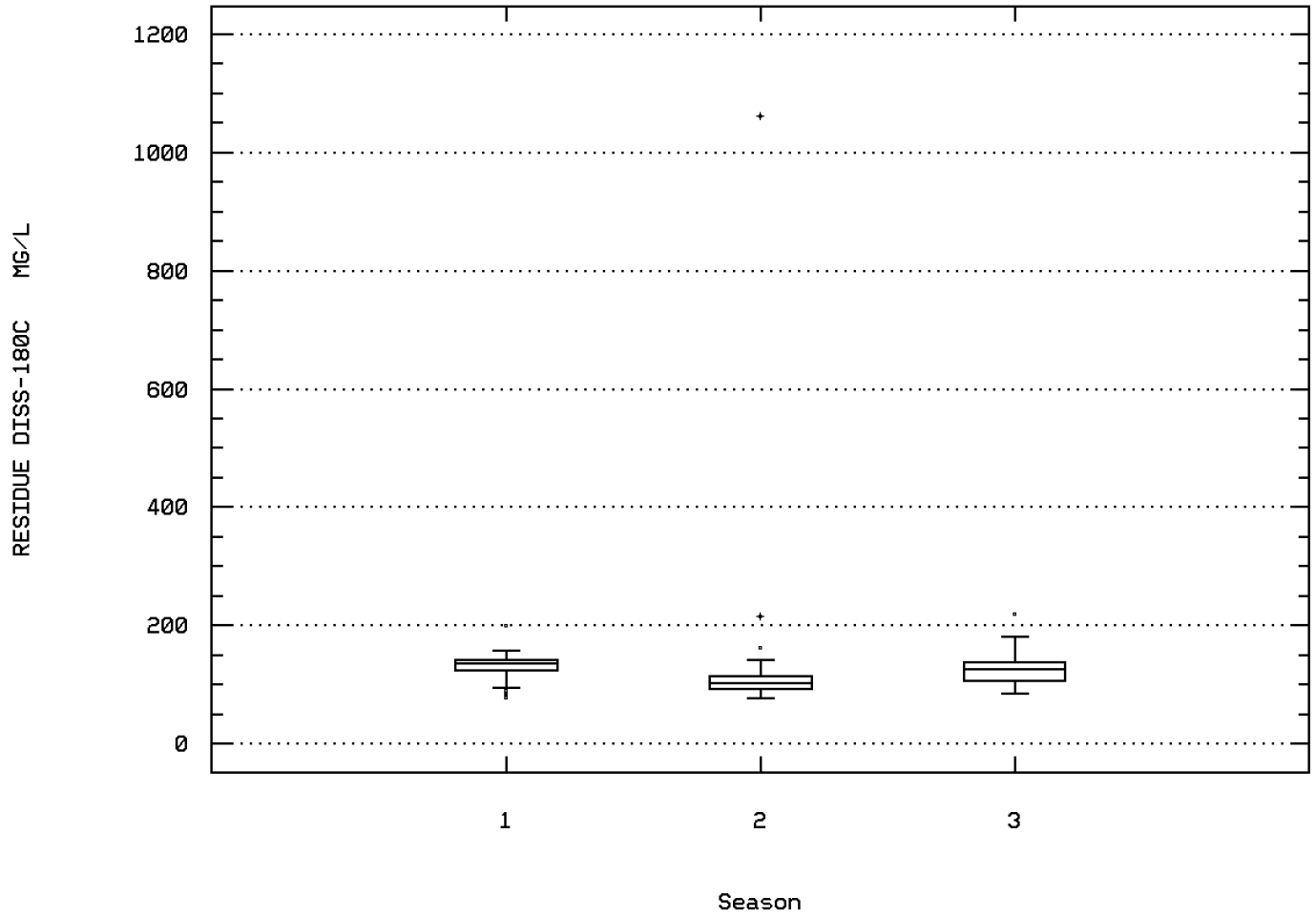
BUFFALO RIVER NEAR ST. JOE, ARK.



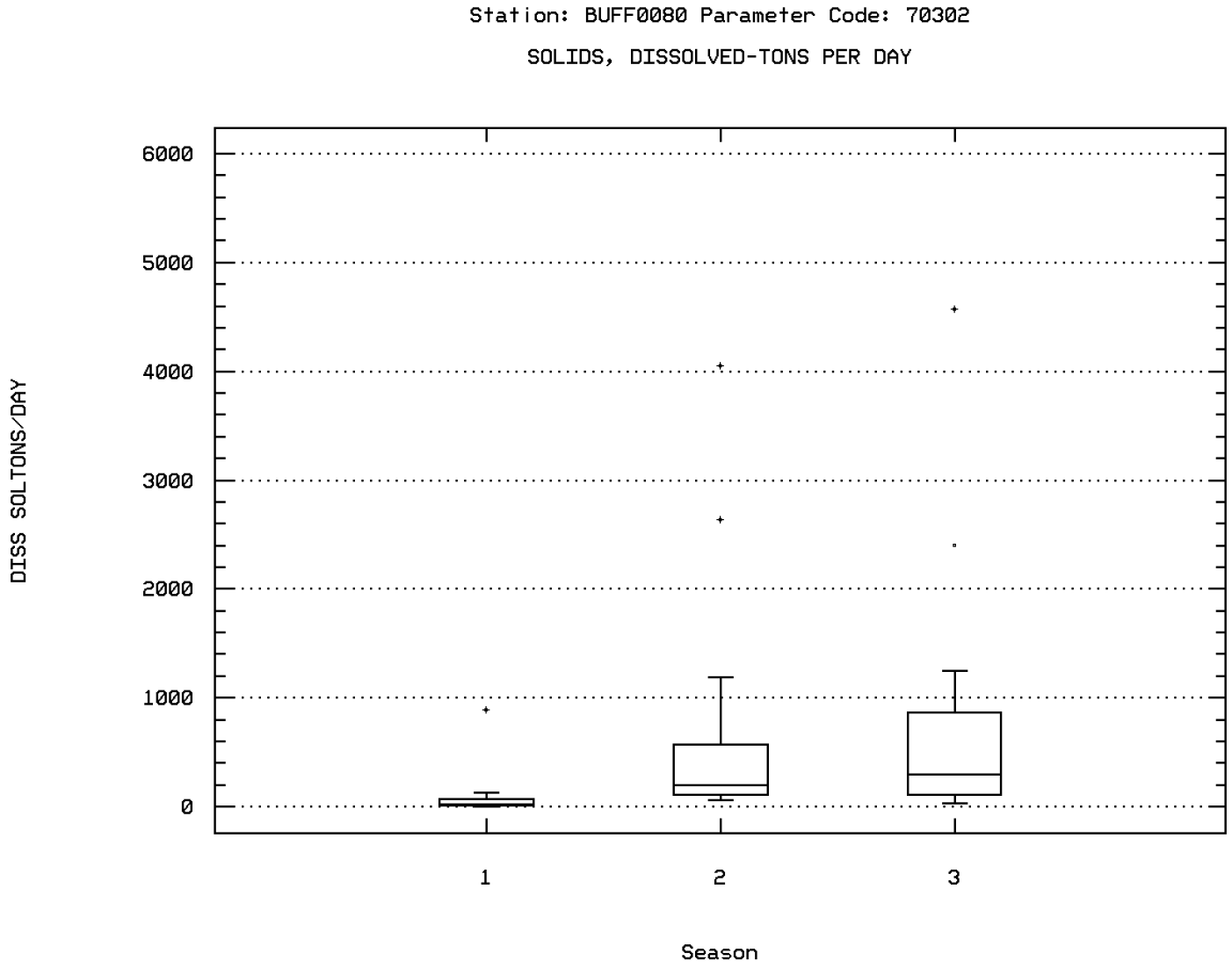
BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



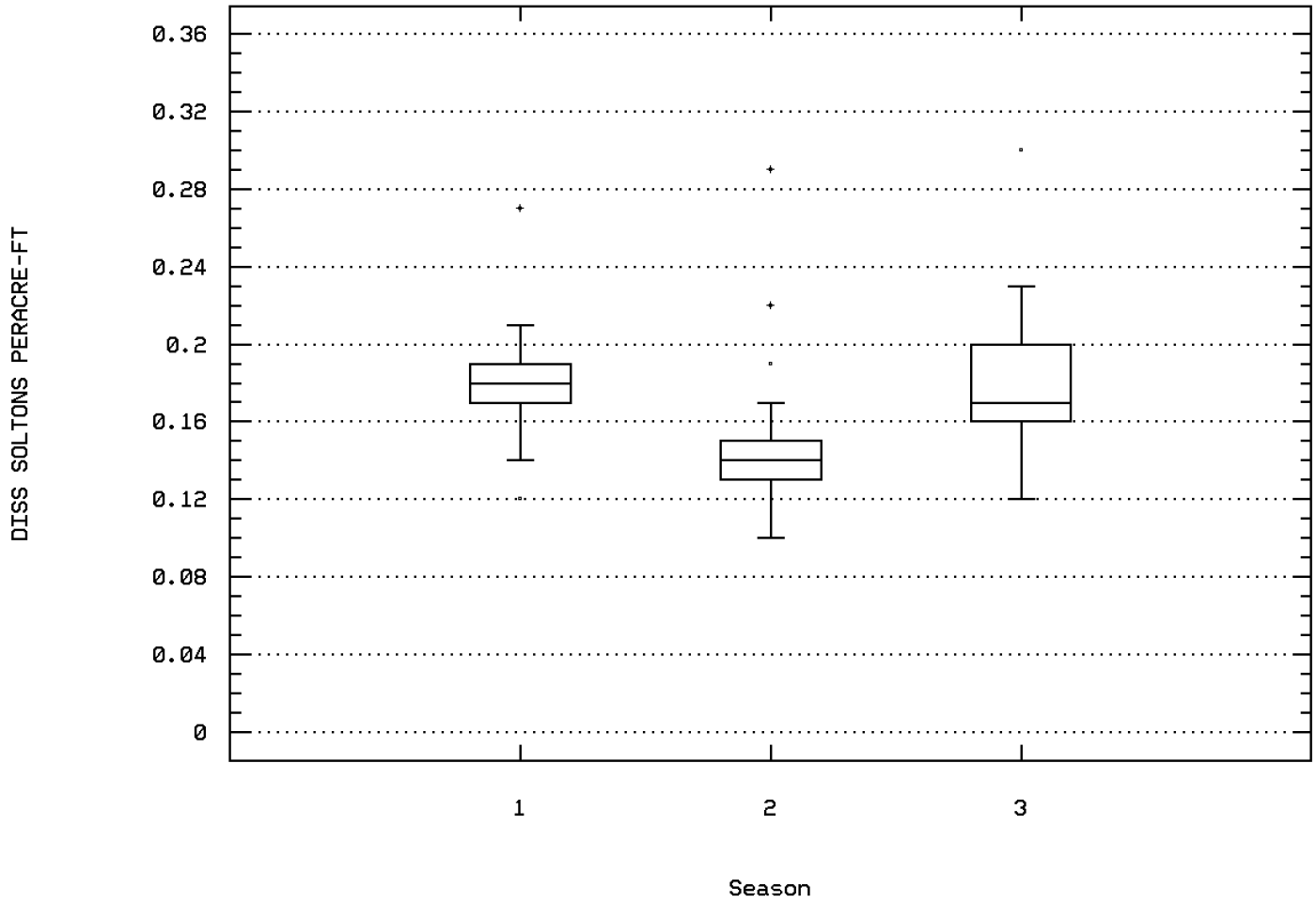
BUFFALO RIVER NEAR ST. JOE, ARK.



BUFFALO RIVER NEAR ST. JOE, ARK.

Station: BUFF0080 Parameter Code: 70303

SOLIDS, DISSOLVED-TONS PER ACRE-FT



BUFFALO RIVER NEAR ST. JOE, ARK.

Station Inventory for Station: BUFF0081

NPS Station ID: BUFF0081
LAT/LON: 35.983892/ -92.745560
Agency: 21ARAMBT
Date Created: 09/24/88
Location: BUFFALO RIVER NR ST. JOE, ARK.
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/FISH/STREAM/SOLIDS/NET
STORET Station ID(s): WHI0049A /4J0007 /USGS07056000
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SW LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 39G
RF1 Index: 11010005005
RF1 Mile Point: 4.240
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005004603.10
RF3 Mile Point: 3.31
Distance from RF3: 0.06
On/Off RF3:
Description:
LOCATED ON THE BUFFALO RIVER AT US HWY 65 BRIDGE SOUTHEAST OF ST. JOE,AR IN SEARCY COUNTY. SEC. 36, T. 16 N, R. 17W. STATION IS 5.4 MI. UPSTREAM FROM BEAR CREEK. PERIOD OF RECORD 78/03/13 - CONTINUING.

Parameter Inventory for Station: BUFF0081

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: BUFF0082

NPS Station ID: BUFF0082
LAT/LON: 35.983892/ -92.745560
Agency: 11TRAIN
Date Created: 02/22/97
Location: BUFFALO RIVER
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07056000
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0082

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: BUFF0083

NPS Station ID: BUFF0083 LAT/LON: 35.983892/ -92.745560 Agency: 1116APCC Date Created: 06/06/81
Location: BUFFALO RIVER NR ST. JOE, ARK. FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/FISH/STREAM/SOLIDS/NET STORET Station ID(s): 050077 /WHI49A /USGS07056000/4J00007
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SW LOWER MISSISSIPPI Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 39G
RF1 Index: 11010005005 RF1 Mile Point: 4.240 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005024400.00 RF3 Mile Point: 0.02 Distance from RF3: 0.03 On/Off RF3:
Description:
LOCATED ON THE BUFFALO RIVER AT US HWY 65 BRIDGE SOUTHEAST OF ST. JOE,AR IN SEARCY COUNTY. SEC. 36, T. 16 N, R. 17W. STATION IS 5.4 MI. UPSTREAM FROM BEAR CREEK. PERIOD OF RECORD 78/03/13 - CONTINUING.

Parameter Inventory for Station: BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	225	17.	17.345	31.	1.	56.65	7.527	8.	11.	24.	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	215	21.	19.121	42.	-6.	89.518	9.461	6.	12.	26.	30.4
00023	SAMPLE WEIGHT IN POUNDS	10/17/78-10/08/81	35	0.63	0.523	1.25	0.1	0.081	0.284	0.1	0.33	0.75	0.75
00024	SAMPLE LENGTH IN INCHES	10/17/78-10/08/81	35	11.	9.957	13.	5.	5.785	2.405	6.	8.	12.	12.
00060	FLOW, STREAM, MEAN DAILY CFS	01/16/79-01/23/90	2	881.	881.	1300.	462.	351122.	592.555	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	226	463.5	1938.823	40400.	23.	22592259.48	4753.132	39.7	85.	1412.5	4197.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	129	4.5	6.128	27.17	2.45	20.55	4.533	3.	3.52	6.755	10.83
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/04/94-11/05/94	12	278.5	274.417	420.	72.	7422.083	86.152	112.8	234.	327.5	399.
00080	COLOR (PLATINUM-COBALT UNITS)	03/13/78-08/19/80	29	5.	10.	80.	0.	250.	15.811	0.	2.5	10.	20.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	104	196.5	192.663	275.	86.	2471.954	49.719	116.	157.	236.75	251.5
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	204	9.9	9.922	13.8	6.2	2.517	1.587	7.75	8.825	11.	11.95
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	139	97.	100.95	164.	77.	202.324	14.224	86.	92.	110.	118.
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	213	1.3	1.393	6.9	0.	0.918	0.958	0.4	0.7	1.9	2.66
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	92	4.	5.061	35.	0.5	28.053	5.297	1.	2.	6.	9.7
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	212	7.91	7.905	8.84	6.25	0.127	0.357	7.48	7.78	8.14	8.28
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	212	7.91	7.686	8.84	6.25	0.175	0.419	7.48	7.78	8.14	8.28
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	212	0.012	0.021	0.562	0.001	0.002	0.045	0.005	0.007	0.017	0.033
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/10/78-07/22/80	10	102.5	100.7	127.	66.	433.789	20.828	66.6	84.	122.25	126.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	227	3.	27.619	670.	0.	8663.105	93.076	0.5	1.	7.	28.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	216	0.025	0.036	0.14	0.005	0.001	0.026	0.005	0.02	0.05	0.073
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/10/78-09/16/80	29 ##	0.005	0.009	0.04	0.005	0.	0.007	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/10/78-09/16/80	24	0.075	0.105	0.28	0.01	0.007	0.081	0.015	0.043	0.16	0.245
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	104	0.2	0.518	3.37	0.	0.586	0.766	0.05	0.05	0.6	1.64
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	212	0.09	0.118	0.58	0.005	0.011	0.103	0.013	0.04	0.17	0.26
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	218	0.015	0.062	0.911	0.	0.02	0.142	0.01	0.01	0.041	0.09
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	123	3.2	3.98	15.1	0.5	6.787	2.605	1.54	2.2	4.9	8.32
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	187	105.	102.583	144.	52.	456.911	21.375	72.	86.	120.	128.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/17/95-11/19/96	21	35.3	36.157	50.3	25.1	47.115	6.864	27.14	30.5	41.95	45.8
00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/78-07/22/80	8	36.15	34.175	42.	19.1	52.376	7.237	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/17/95-11/19/96	21	2.4	2.624	3.9	1.7	0.507	0.712	1.7	2.	3.35	3.58
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/78-07/22/80	8	3.	2.663	3.6	0.5	0.954	0.977	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/78-07/22/80	9	1.92	5.002	30.5	1.3	91.537	9.567	1.3	1.55	2.25	30.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/17/95-11/19/96	21	1.8	2.304	6.6	0.02	3.826	1.956	0.076	0.995	2.85	6.24

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

Parameter Inventory for Station: BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/17/95-11/19/96	21	0.67	0.683	1.3	0.2	0.065	0.255	0.4	0.535	0.8	1.14
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/78-07/22/80	9	0.8	0.761	1.15	0.2	0.082	0.287	0.2	0.55	0.95	1.15
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	226	3.	3.341	9.	1.	1.586	1.259	2.	2.	4.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	220	6.	5.8	48.	1.	12.444	3.528	3.	4.	7.	8.
01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/78-09/14/82	31 ##	2.5	3.226	11.	2.5	4.364	2.089	2.5	2.5	2.5	5.8
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/80-08/02/83	3	0.87	1.297	2.42	0.6	0.965	0.982	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/17/78-10/08/81	4	0.06	0.065	0.12	0.02	0.002	0.041	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	02/14/95-11/19/96	20	16.	17.35	26.	12.	16.661	4.082	13.1	14.25	20.	25.7
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/14/95-11/19/96	20 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01020	BORON, DISSOLVED (UG/L AS B)	04/11/95-11/19/96	18	7.	6.444	10.	1.5	7.997	2.828	1.5	3.75	9.	10.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	60 ##	0.25	0.243	0.25	0.02	0.002	0.04	0.25	0.25	0.25	0.25
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	131 ##	0.25	0.706	9.	0.05	1.066	1.033	0.25	0.25	1.	1.5
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/80-08/02/83	3	0.19	0.143	0.2	0.04	0.008	0.09	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/80-08/02/83	3	8.6	6.833	8.8	3.1	10.463	3.235	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	56 ##	0.5	0.52	1.	0.5	0.009	0.094	0.5	0.5	0.5	0.5
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	119 ##	0.5	2.882	138.	0.5	172.105	13.119	0.5	0.5	2.	4.
01035	COBALT, DISSOLVED (UG/L AS CO)	02/14/95-11/19/96	20 ##	1.5	1.7	4.	1.5	0.405	0.637	1.5	1.5	1.5	2.85
01039	COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	10/09/80-08/02/83	3	2.2	3.83	8.69	0.6	18.355	4.284	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	63 ##	7.5	7.032	12.5	1.	29.894	5.468	1.	1.	12.5	12.5
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	132 ##	7.5	8.678	86.	2.	86.359	9.293	3.65	5.	7.5	16.4
01045	IRON, TOTAL (UG/L AS FE)	03/13/78-07/22/80	22	131.5	1065.25	4781.	12.5	2596711.161	1611.431	12.5	68.5	1600.75	4279.5
01046	IRON, DISSOLVED (UG/L AS FE)	01/17/95-11/19/96	21	16.	30.667	117.	6.	981.833	31.334	6.2	8.5	61.	75.8
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	64 ##	1.	0.975	1.	0.2	0.02	0.14	1.	1.	1.	1.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	123 ##	1.	3.183	117.	0.5	138.661	11.775	0.5	0.5	2.	4.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/80-08/02/83	3	4.	6.597	12.59	3.2	27.1	5.206	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/78-07/22/80	23	39.	70.522	272.	4.	8045.897	89.699	4.	11.	66.	256.6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/17/95-11/19/96	21	6.1	10.219	47.2	1.	100.439	10.022	2.48	4.45	13.5	19.96
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/14/95-11/19/96	20 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/14/95-11/19/96	20 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	56 ##	4.	5.036	16.	1.	9.853	3.139	2.4	4.	4.	11.
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	126 ##	4.	15.877	956.	1.5	7221.827	84.981	1.5	1.5	12.	21.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/17/95-11/19/96	21 ##	8.	53.524	393.	8.	8110.162	90.056	8.	8.	90.5	135.6
01147	SELENIUM, TOTAL (UG/L AS SE)	10/14/80-09/14/82	23 ##	2.5	3.348	6.	2.5	1.783	1.335	2.5	2.5	5.	5.6
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/13/78-10/09/78	8	48.5	345.625	2420.	23.	703208.554	838.575	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	03/13/78-10/09/78	8	1.686	1.857	3.384	1.362	0.425	0.652	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			71.985								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	143	19.	537.535	10000.	2.	2803476.791	1674.359	2.	4.	71.	998.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	143	1.279	1.379	4.	0.301	0.998	0.999	0.301	0.602	1.851	2.993
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			23.908								
31648	E. COLI - MTEC-MF N0/100ML	04/25/91-04/07/97	20	5.	17.85	88.	2.	629.187	25.084	2.	2.	23.	66.2
31648	LOG E. COLI - MTEC-MF N0/1	04/25/91-04/07/97	20	0.661	0.848	1.944	0.301	0.369	0.608	0.301	0.301	1.36	1.819
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			7.052								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	03/13/78-08/02/83	31	1.37	1.534	11.5	0.	4.097	2.024	0.006	0.6	1.59	2.976
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	03/13/78-08/02/83	40	0.89	1.493	11.15	0.	5.025	2.242	0.001	0.278	1.61	2.89
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	03/13/78-08/02/83	29	0.04	0.284	2.5	0.	0.261	0.51	0.	0.	0.425	0.75
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	03/13/78-08/02/83	31	0.6	0.652	2.27	0.	0.456	0.675	0.	0.	1.01	1.69
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	03/13/78-08/02/83	36	0.8	1.272	6.08	0.	2.06	1.435	0.	0.17	1.853	3.119
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	03/13/78-08/02/83	31	1.38	1.258	1.8	0.	0.203	0.451	0.22	1.2	1.5	1.63
32223	CHLOROPHYLL A MG/M2 SPECTROPHOTOMETRIC CORRECTED	06/19/79-06/19/79	1	8.64	8.64	8.64	8.64	0.	0.	**	**	**	**
32224	PHEOPHYTIN A MG/M2 SPECTROPHOTOMETRIC ACID METH	06/19/79-06/19/79	1	2.72	2.72	2.72	2.72	0.	0.	**	**	**	**
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	06/19/79-06/19/79	1	3.47	3.47	3.47	3.47	0.	0.	**	**	**	**
32227	CHLOROPHYLL C, PERIPHYTON SPECTO, MG/M2	06/19/79-06/19/79	1	2.57	2.57	2.57	2.57	0.	0.	**	**	**	**
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	06/19/79-06/19/79	1	10.03	10.03	10.03	10.03	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/25/95-07/25/95	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	07/25/95-07/25/95	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/25/95-07/25/95	1 ##	0.042	0.042	0.042	0.042	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/25/95-07/25/95	1 ##	0.068	0.068	0.068	0.068	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	06/13/95-06/13/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	06/13/95-06/13/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
38559	TERBUTHYLAZINE WATER, TOTUG/L	07/25/95-07/25/95	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
38578	PROPAZINE, TOTAL, WATER UG/L	07/25/95-07/25/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
38815	HEXAZINONE WATER, TOTUG/L	07/25/95-07/25/95	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	06/13/95-06/13/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
38887	TERBUTRYN WATER, TOTUG/L	07/25/95-07/25/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	07/25/95-07/25/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39056	PROMETONE IN WHOLE WATER (UG/L)	07/25/95-07/25/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	07/25/95-07/25/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	10/17/78-10/08/81	6 ##	0.	0.002	0.005	0.	0.	0.003	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/08/81-10/08/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39070	CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	10/17/78-10/17/78	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
39161	LASSO- (ALCHLOR) -UG/L	11/27/78-09/10/85	13 ##	0.002	0.002	0.003	0.001	0.	0.001	0.001	0.002	0.002	0.002
39162	2,4,5 TRI ISO OCTYL ESTER - UG/L	11/27/78-09/11/84	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	7 ##	0.	0.003	0.01	0.	0.	0.004	**	**	**	**
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	7 ##	0.	0.009	0.05	0.	0.	0.018	**	**	**	**
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/17/78-10/08/81	7 ##	0.	0.036	0.22	0.	0.007	0.082	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	7 ##	0.	0.004	0.02	0.	0.	0.007	**	**	**	**
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/17/78-10/08/81	7 ##	0.	0.003	0.01	0.	0.	0.004	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	14 ##	0.001	0.001	0.007	0.001	0.	0.002	0.001	0.001	0.001	0.004
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/25/95-07/25/95	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/25/95-07/25/95	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/25/95-07/25/95	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	07/25/95-07/25/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/10/85	13 ##	0.001	0.001	0.001	0.001	0.	0.	0.001	0.001	0.001	0.001
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/10/85	13 ##	0.001	0.001	0.002	0.001	0.	0.	0.001	0.001	0.001	0.002
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	14 ##	0.001	0.002	0.02	0.001	0.	0.005	0.001	0.001	0.001	0.01
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	14 ##	0.001	0.002	0.026	0.001	0.	0.007	0.001	0.001	0.001	0.014
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/10/85	13 ##	0.025	0.027	0.05	0.025	0.	0.007	0.025	0.025	0.025	0.04
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/17/78-10/08/81	7 ##	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39482	METHOXYCHLOR IN FISH - UG/KG	10/17/78-10/08/81	7 ##	0.	7.857	50.	0.	348.81	18.676	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/17/78-10/08/81	7 ##	0.	0.014	0.05	0.	0.001	0.024	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/13/79-09/11/84	11 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	13 ##	0.	0.001	0.007	0.	0.	0.002	0.	0.	0.	0.004
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	14 ##	0.002	0.002	0.004	0.002	0.	0.001	0.002	0.002	0.002	0.004
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/11/84	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	11/27/78-09/10/85	13 ##	0.001	0.001	0.001	0.001	0.	0.	0.001	0.001	0.001	0.001
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/80-08/02/83	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
49295	INVALID PARAMETER	06/13/95-06/13/95	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
49296	INVALID PARAMETER	06/13/95-06/13/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49308	INVALID PARAMETER	06/13/95-06/13/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
49309	INVALID PARAMETER	06/13/95-06/13/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
49310	INVALID PARAMETER	06/13/95-06/13/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
49312	INVALID PARAMETER	06/13/95-06/13/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
49313	INVALID PARAMETER	06/13/95-06/13/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49314	INVALID PARAMETER	06/13/95-06/13/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	07/24/78-07/24/78	1	1.73	1.73	1.73	1.73	0.	0.	**	**	**	**
61454	DIVERSITY INDEX CONF INTERVAL(95%),BENTH MACROINV	08/01/80-08/01/80	1	3.04	3.04	3.04	3.04	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	220	122.5	124.814	1058.	79.	4406.326	66.38	92.	103.	137.	144.9
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	187 ##	0.015	0.02	0.175	0.005	0.001	0.023	0.005	0.01	0.02	0.042
70980	PRODUCTIVITY OF PERIPHYTON COMMUNITIES	06/19/79-06/19/79	1	45.4	45.4	45.4	45.4	0.	0.	**	**	**	**
70981	AUTOTROPHIC INDEX RE:PERIPHYTON WEBER & MCFARLAN	06/19/79-06/19/79	1	231.4	231.4	231.4	231.4	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/25/95-07/25/95	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/10/78-09/12/89	10 ##	0.25	0.28	0.6	0.15	0.023	0.151	0.15	0.15	0.313	0.59
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/09/80-08/02/83	3 ##	0.01	0.01	0.02	0.	0.	0.01	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/17/78-10/08/81	7	0.1	0.096	0.25	0.02	0.007	0.084	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/78-10/08/81	7	0.33	0.636	1.46	0.15	0.306	0.553	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/78-10/08/81	7	1.08	1.134	2.	0.56	0.385	0.621	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/78-10/08/81	7	0.39	0.41	0.7	0.28	0.02	0.141	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/17/78-10/08/81	7	0.06	0.066	0.16	0.015	0.003	0.051	**	**	**	**
77729	RAMROD WHOLE WATER,UG/L	07/25/95-07/25/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/25/95-07/25/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
79194	FLUCHLORALIN, WATER, WHOLE UG/L	07/25/95-07/25/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	07/25/95-07/25/95	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
81403	DURSBAN(CHLOROPYRIFOS)WHOLE WATER SAMPLE (UG/L)	07/25/95-07/25/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	07/25/95-07/25/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	07/25/95-07/25/95	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	226	2.5	22.836	420.	0.5	4434.739	66.594	1.	1.5	8.	31.3
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	07/25/95-07/25/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82185	ATRATON (GESTAMIN) TOTAL UG/L	07/25/95-07/25/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82187	CYPRAZINE TOTAL UG/L	07/25/95-07/25/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82199	ORDRAM (HYDRAM) IN WATER UG/L	07/25/95-07/25/95	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	07/25/95-07/25/95	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/04/94-11/05/94	12	4.44	4.769	6.8	2.79	1.796	1.34	2.853	3.738	6.018	6.77
82614	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	07/25/95-07/25/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	12	1.00	12	12	1.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	204	0	0.00	98	0	0.00	68	0	0.00	38	0	0.00			
00400	PH	Other-Hi Lim.	9.	212	0	0.00	102	0	0.00	72	0	0.00	38	0	0.00			
		Other-Lo Lim.	6.5	212	1	0.00	102	0	0.00	72	1	0.01	38	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	29	0	0.00	13	0	0.00	11	0	0.00	5	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	24	0	0.00	11	0	0.00	9	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	212	0	0.00	108	0	0.00	69	0	0.00	35	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	226	0	0.00	117	0	0.00	71	0	0.00	38	0	0.00			
		Drinking Water	250.	226	0	0.00	117	0	0.00	71	0	0.00	38	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	220	0	0.00	111	0	0.00	71	0	0.00	38	0	0.00			

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EPA Water Quality Criteria Analysis for Station: BUFF0083

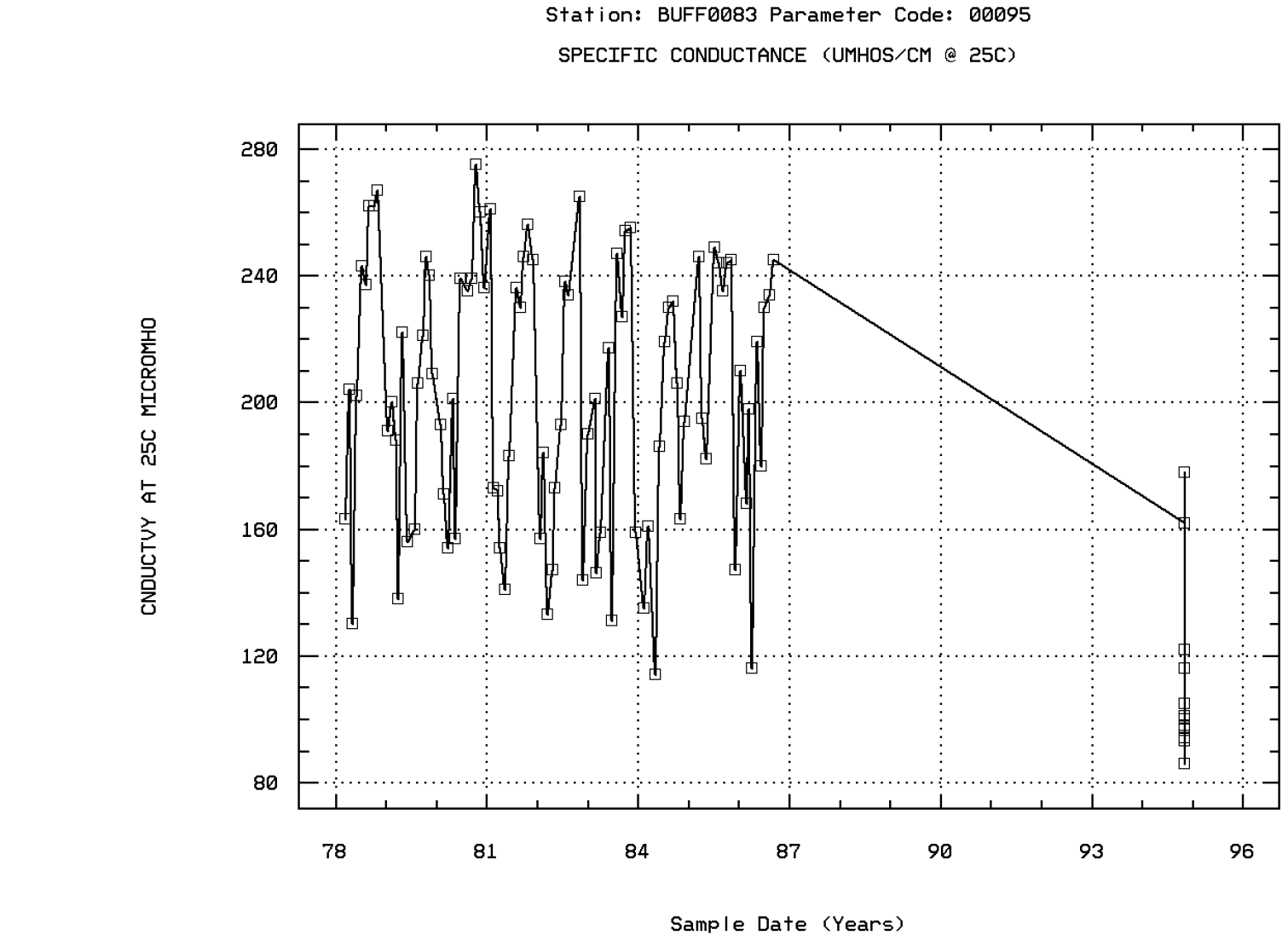
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01002	ARSENIC, TOTAL	Fresh Acute	360.	31	0	0.00	14	0	0.00	11	0	0.00	6	0	0.00			
		Drinking Water	50.	31	0	0.00	14	0	0.00	11	0	0.00	6	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	20	0	0.00	9	0	0.00	7	0	0.00	4	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	20	0	0.00	9	0	0.00	7	0	0.00	4	0	0.00			
		Drinking Water	4.	20	0	0.00	9	0	0.00	7	0	0.00	4	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	60	0	0.00	30	0	0.00	18	0	0.00	12	0	0.00			
		Drinking Water	5.	60	0	0.00	30	0	0.00	18	0	0.00	12	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	131	3	0.02	63	1	0.02	48	2	0.04	20	0	0.00			
		Drinking Water	5.	131	3	0.02	63	1	0.02	48	2	0.04	20	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	56	0	0.00	28	0	0.00	18	0	0.00	10	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	119	1	0.01	55	0	0.00	45	1	0.02	19	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	63	0	0.00	31	0	0.00	20	0	0.00	12	0	0.00			
		Drinking Water	1300.	63	0	0.00	31	0	0.00	20	0	0.00	12	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	132	12	0.09	65	2	0.03	45	5	0.11	22	5	0.23			
		Drinking Water	1300.	132	0	0.00	65	0	0.00	45	0	0.00	22	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	64	0	0.00	32	0	0.00	19	0	0.00	13	0	0.00			
		Drinking Water	15.	64	0	0.00	32	0	0.00	19	0	0.00	13	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	123	1	0.01	59	0	0.00	41	1	0.02	23	0	0.00			
		Drinking Water	15.	123	4	0.03	59	1	0.02	41	3	0.07	23	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	20	0	0.00	9	0	0.00	7	0	0.00	4	0	0.00			
		Drinking Water	100.	20	0	0.00	9	0	0.00	7	0	0.00	4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	56	0	0.00	27	0	0.00	19	0	0.00	10	0	0.00			
		Drinking Water	5000.	56	0	0.00	27	0	0.00	19	0	0.00	10	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	126	1	0.01	61	0	0.00	44	1	0.02	21	0	0.00			
		Drinking Water	5000.	126	0	0.00	61	0	0.00	44	0	0.00	21	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	23	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00			
		Drinking Water	50.	23	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	8	1	0.13	3	0	0.00	3	1	0.33	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	143	22	0.15	72	14	0.19	49	5	0.10	22	3	0.14			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	20	0	0.00	9	0	0.00	9	0	0.00	2	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									
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00							1	0	0.00			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00	1	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.	14	0	0.00	9	0	0.00	4	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									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	13	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	13	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	14	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	14	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	2.	14	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	13	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	3.	13	0	0.00	8	0	0.00	4	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									
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00	1	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	12	0	0.00	7	0	0.00	4	0	0.00	1	0	0.00			
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	13	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	0.2	13	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

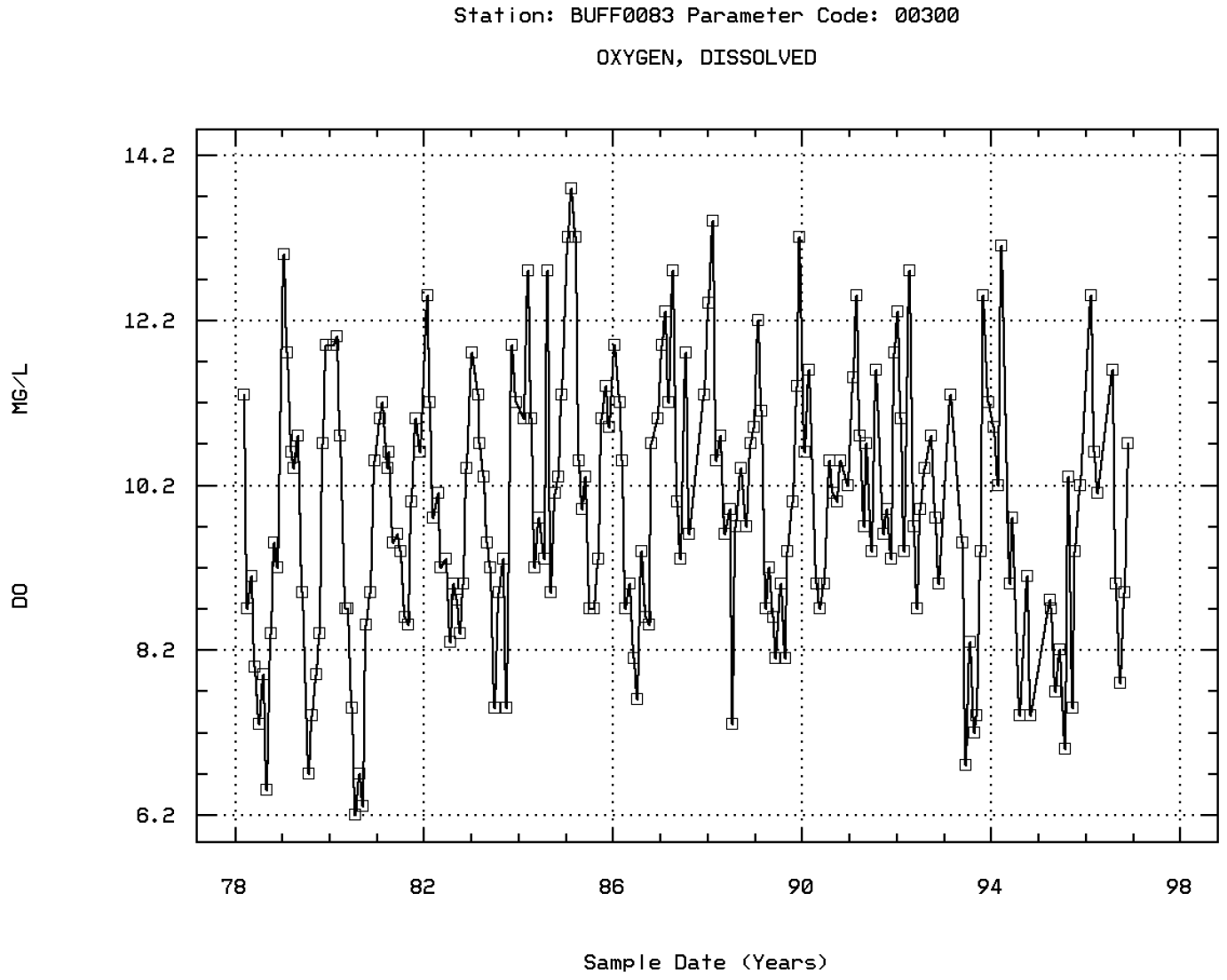
EPA Water Quality Criteria Analysis for Station: BUFF0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71900	MERCURY, TOTAL	Fresh Acute	2.4	10	0	0.00	8	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	10	0	0.00	8	0	0.00	1	0	0.00	1	0	0.00			
81403	DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMP	Fresh Acute	0.083	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	226	18	0.08	117	13	0.11	71	4	0.06	38	1	0.03			

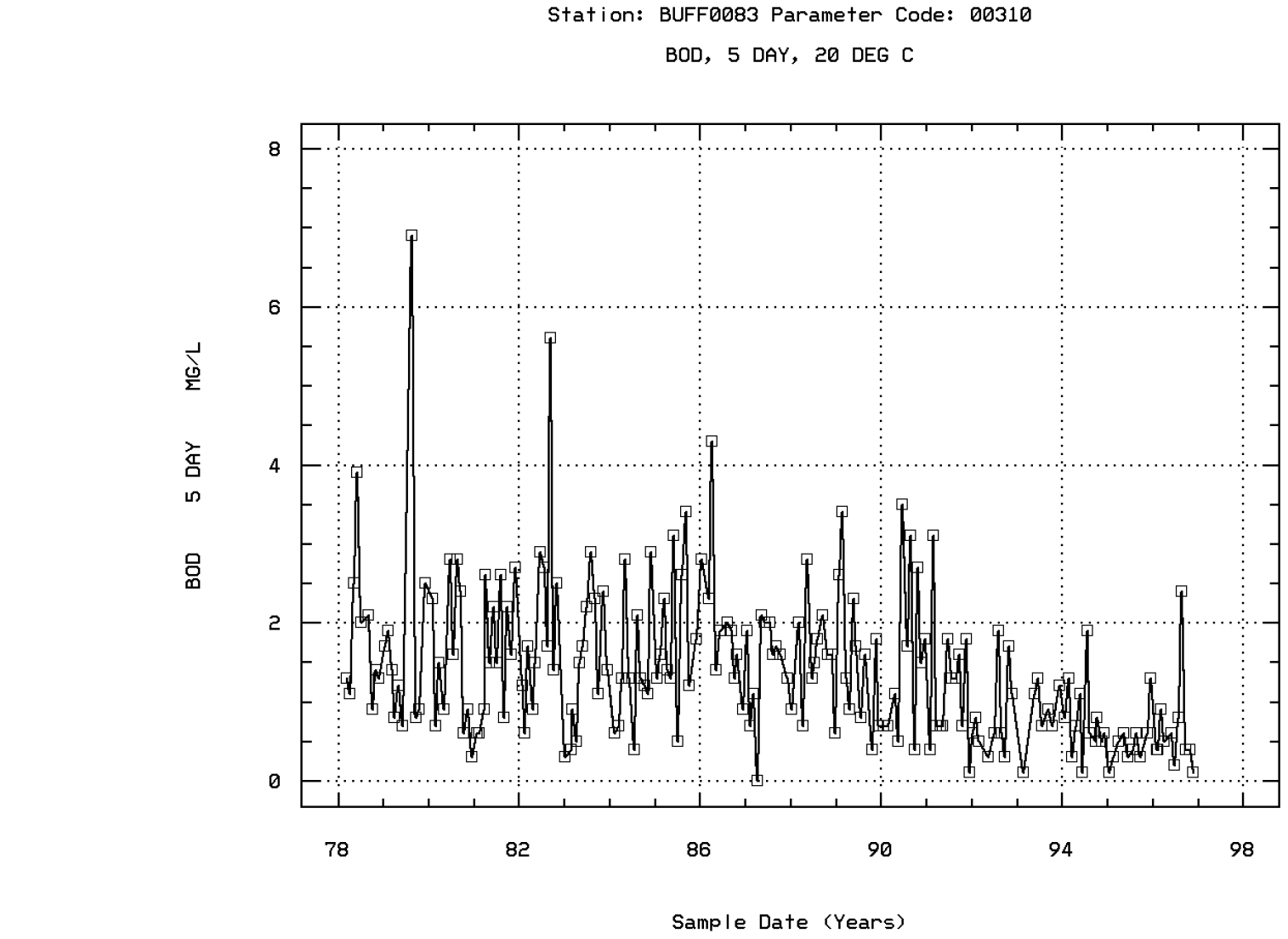
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



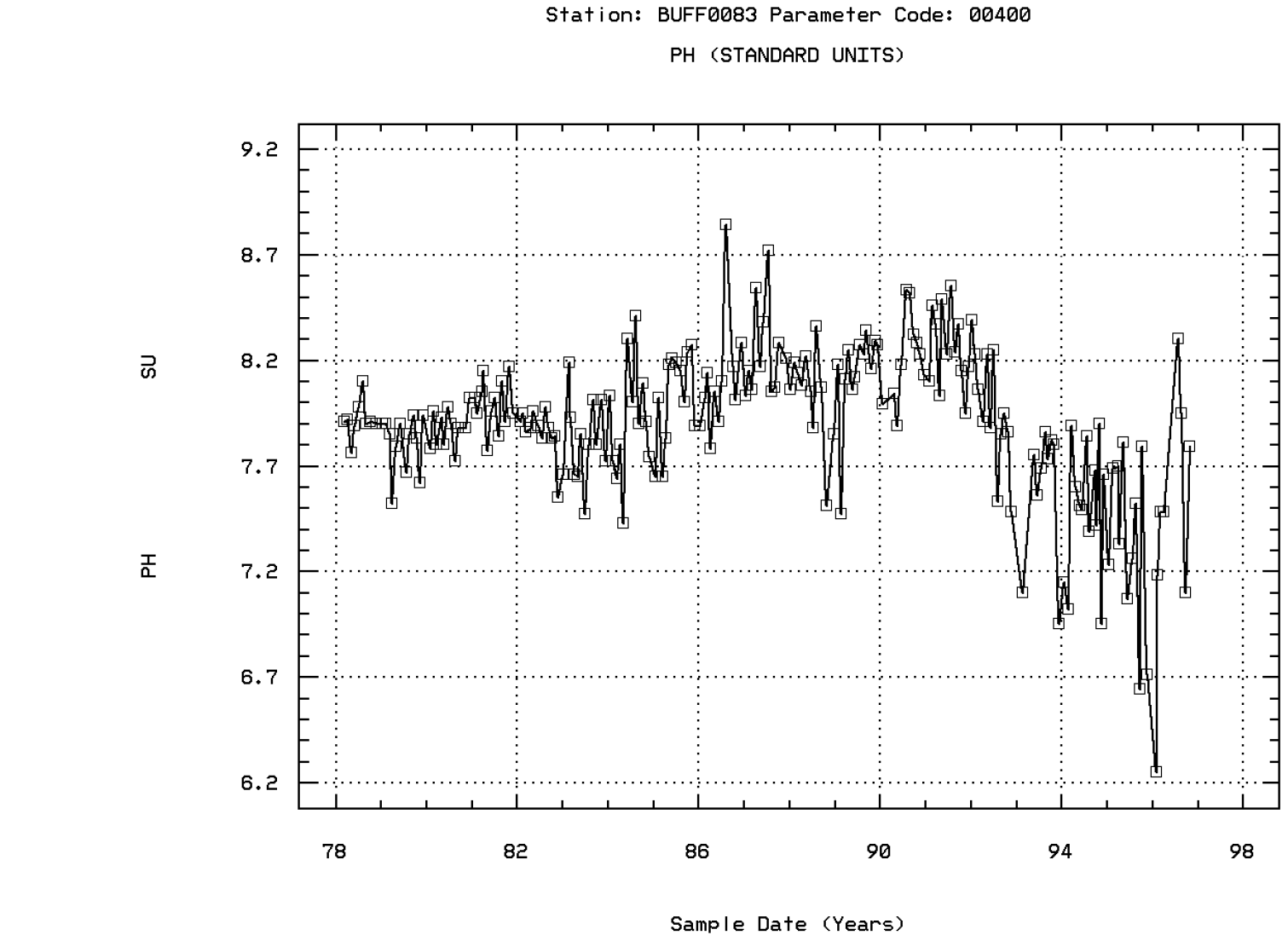
BUFFALO RIVER NR ST. JOE, ARK.



BUFFALO RIVER NR ST. JOE, ARK.



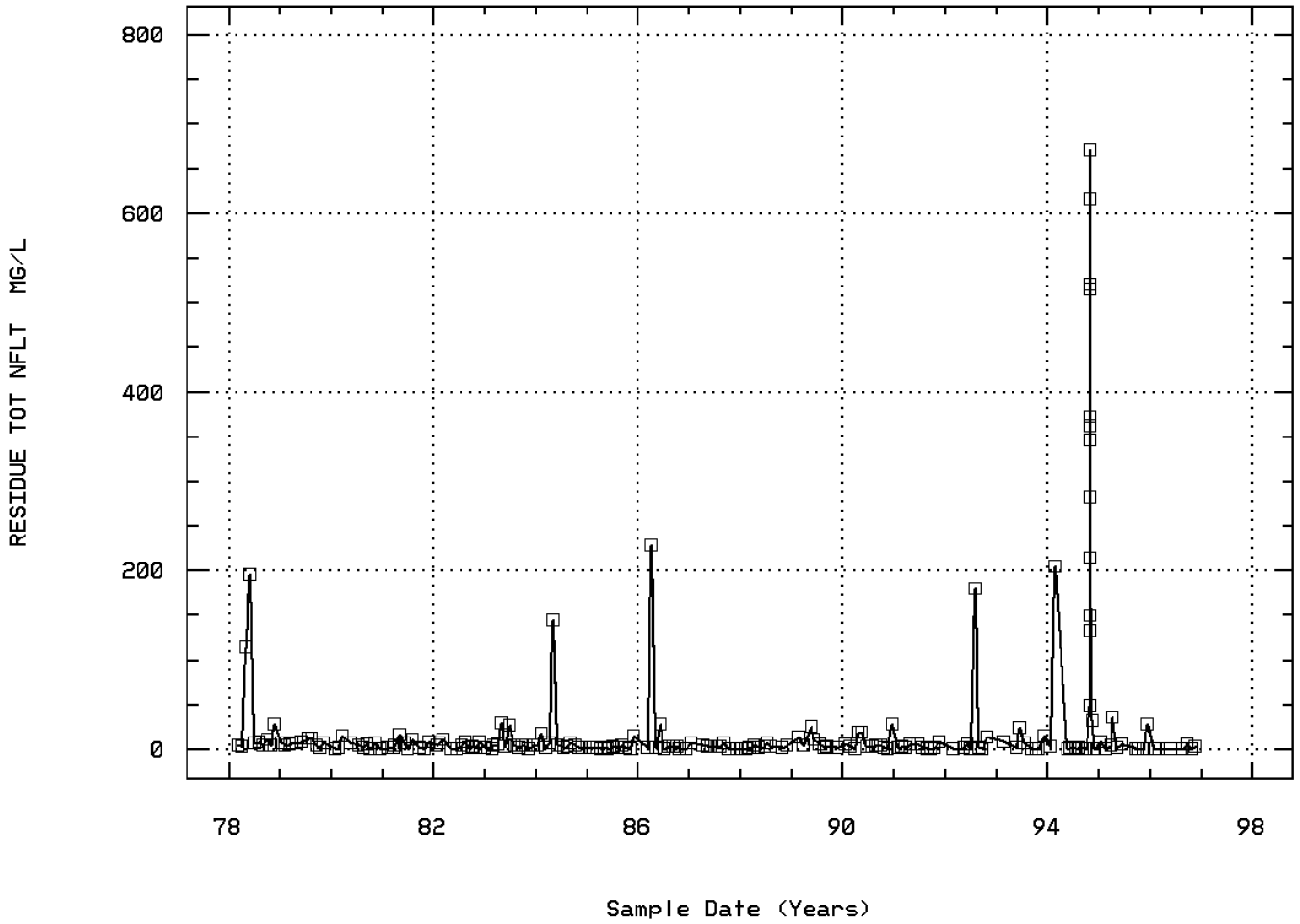
BUFFALO RIVER NR ST. JOE, ARK.



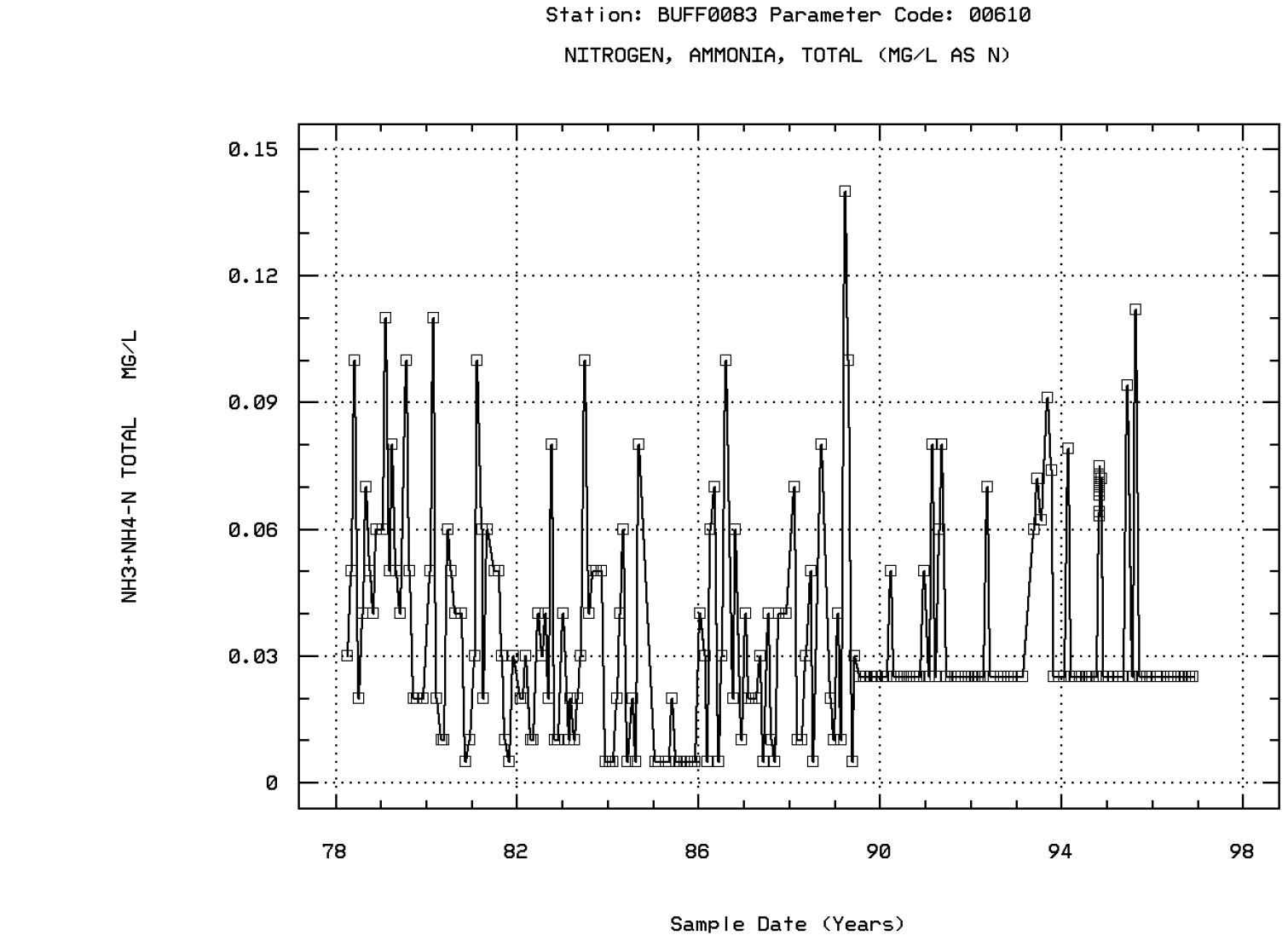
BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00530

RESIDUE, TOTAL NONFILTRABLE (MG/L)



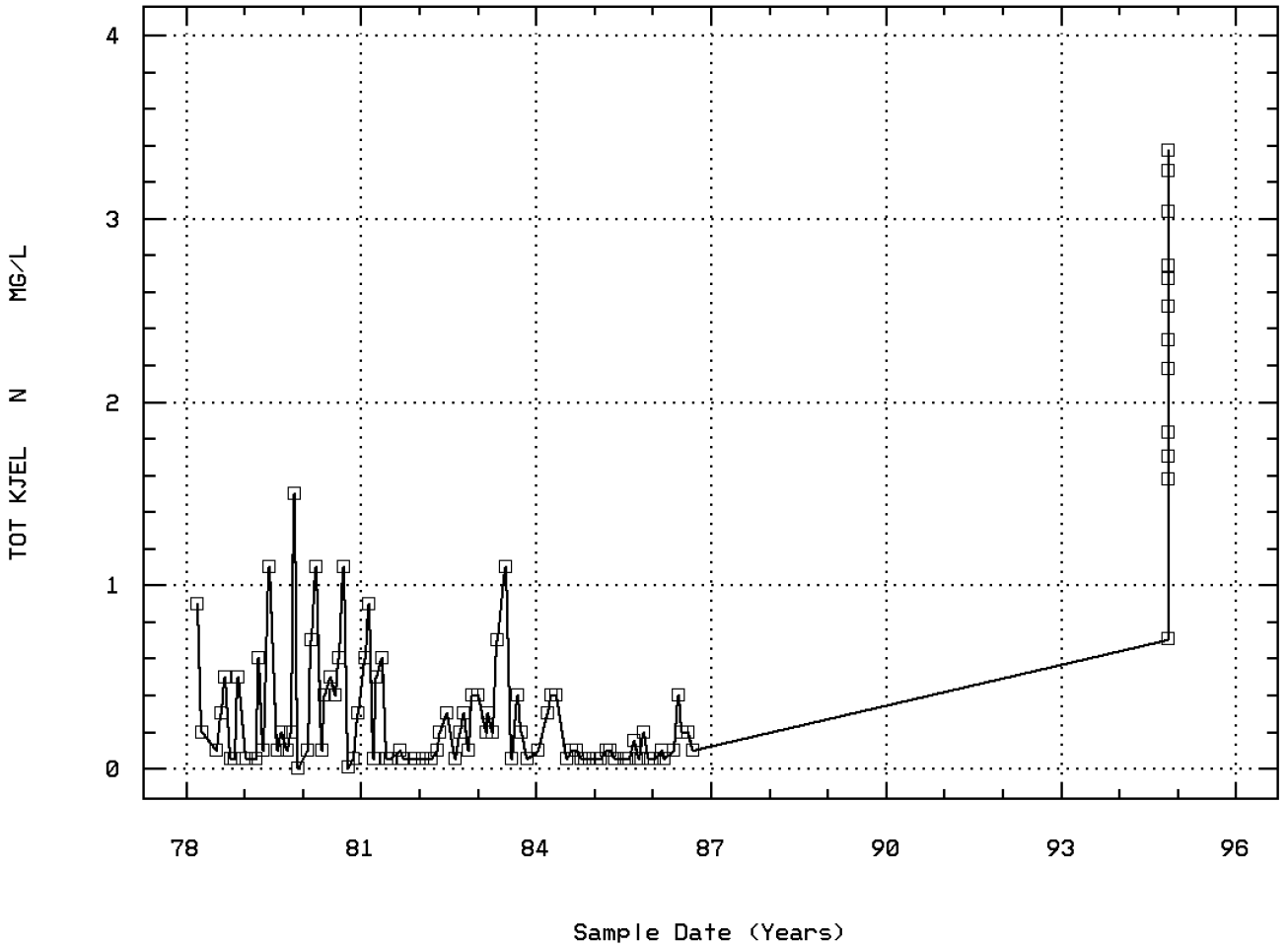
BUFFALO RIVER NR ST. JOE, ARK.



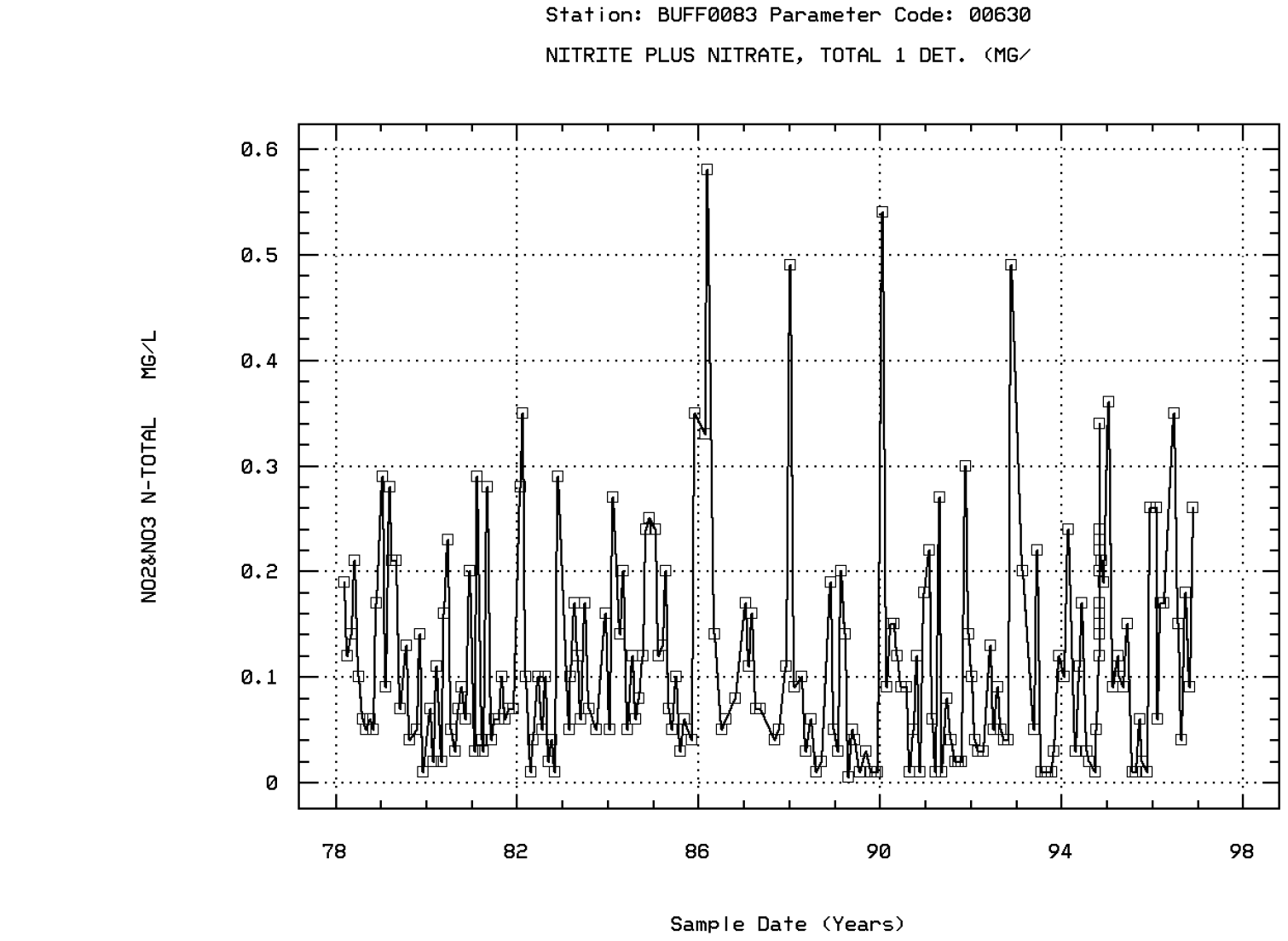
BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00625

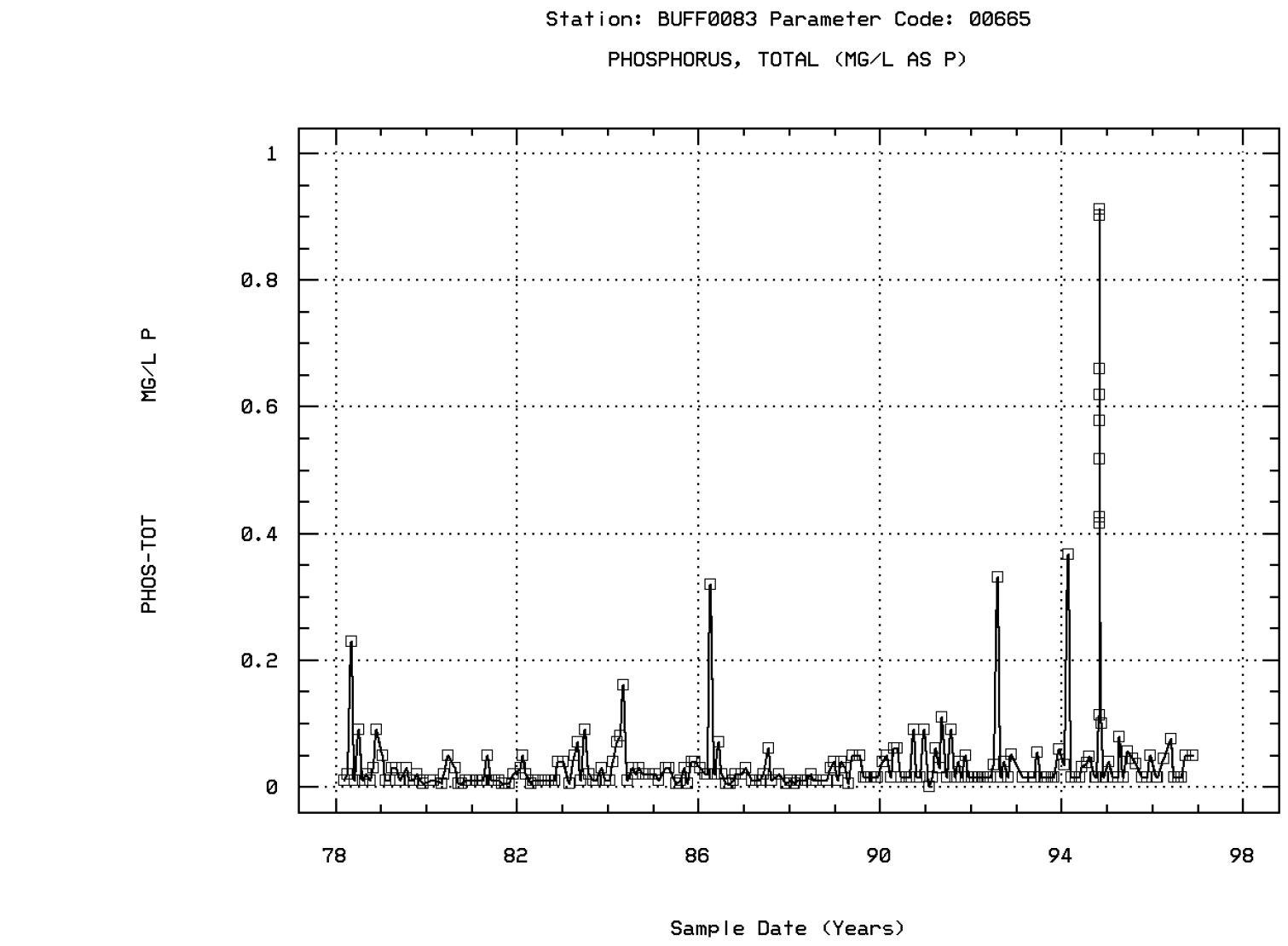
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



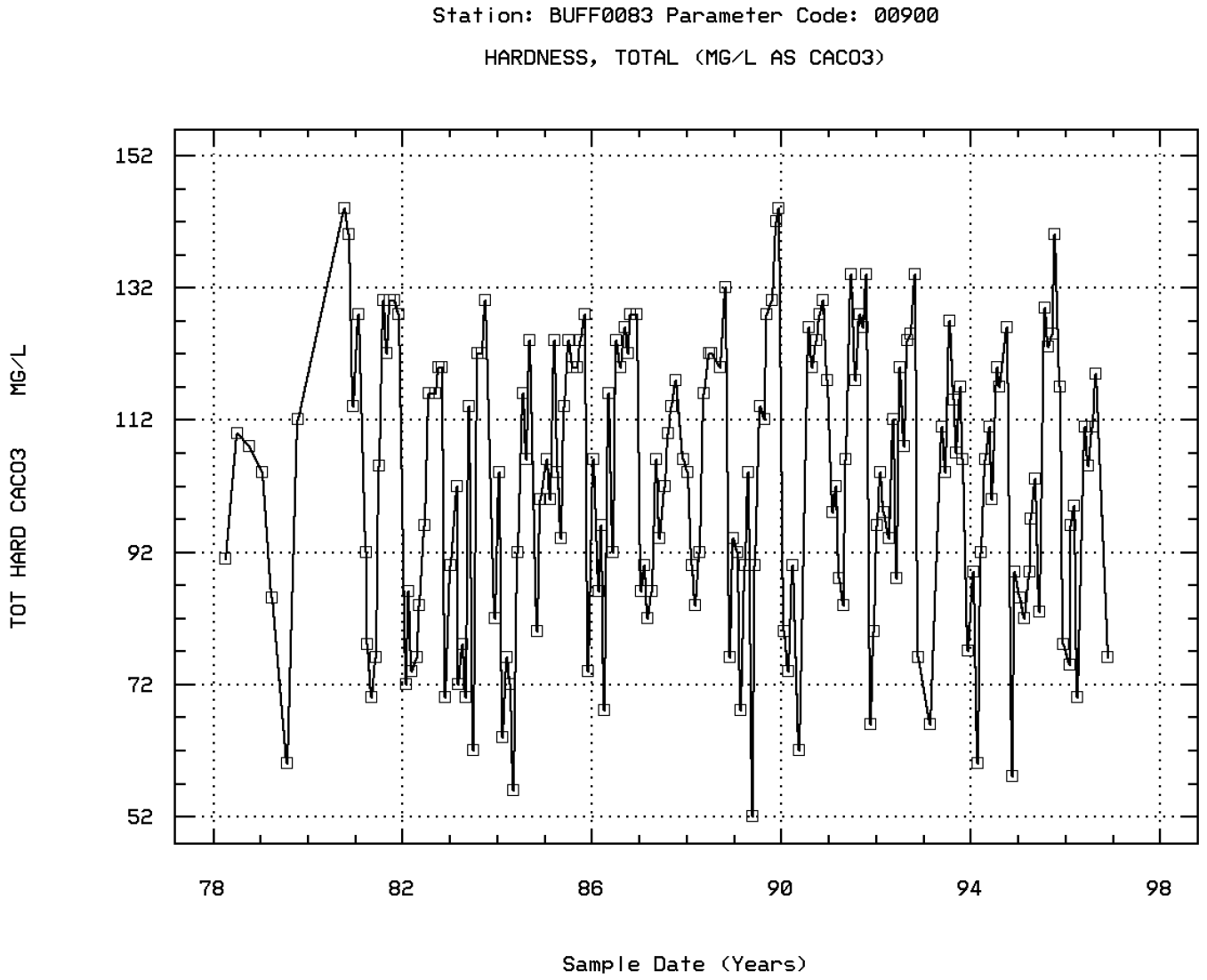
BUFFALO RIVER NR ST. JOE, ARK.



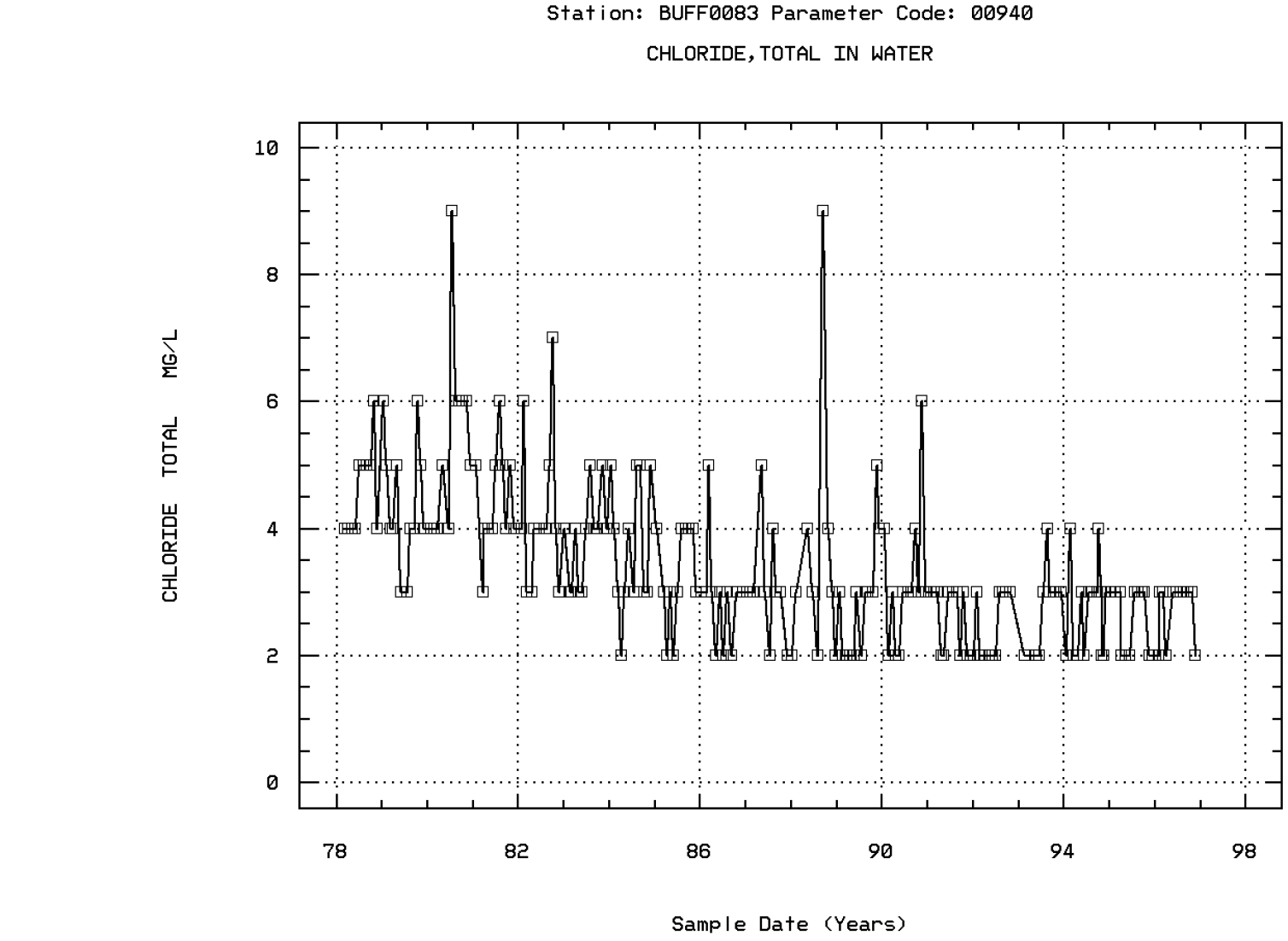
BUFFALO RIVER NR ST. JOE, ARK.



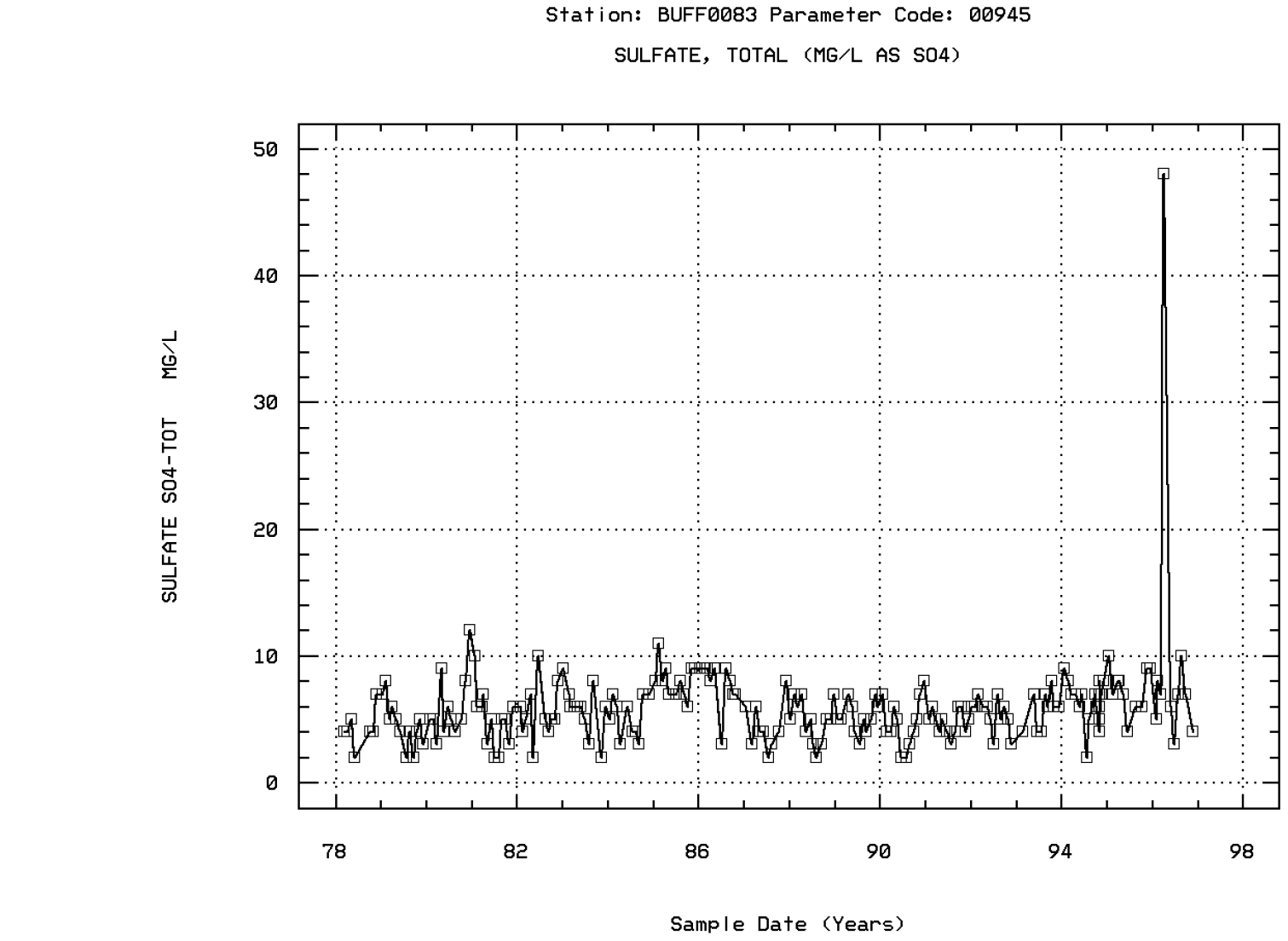
BUFFALO RIVER NR ST. JOE, ARK.



BUFFALO RIVER NR ST. JOE, ARK.



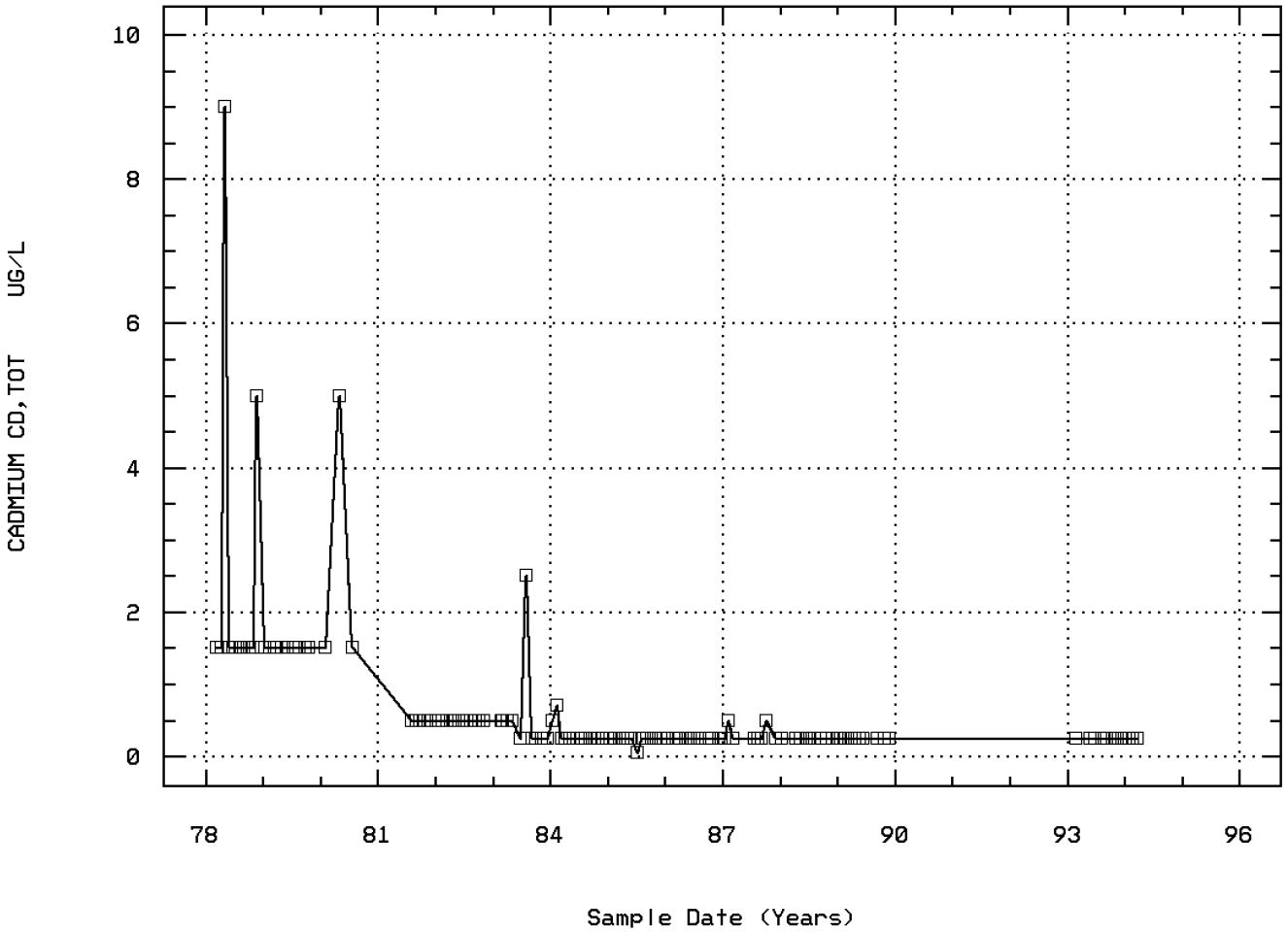
BUFFALO RIVER NR ST. JOE, ARK.



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 01027

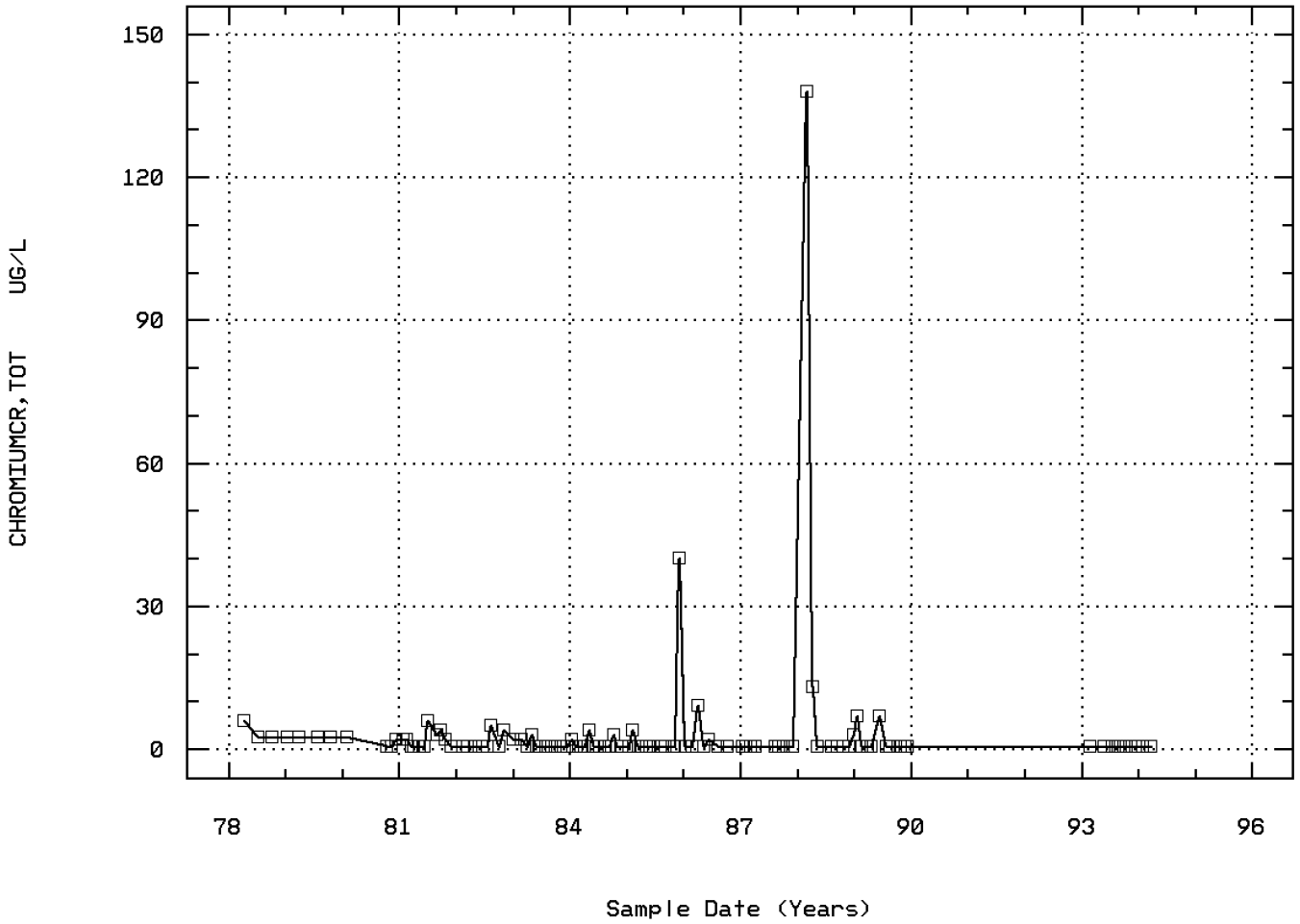
CADMIUM, TOTAL (UG/L AS CD)



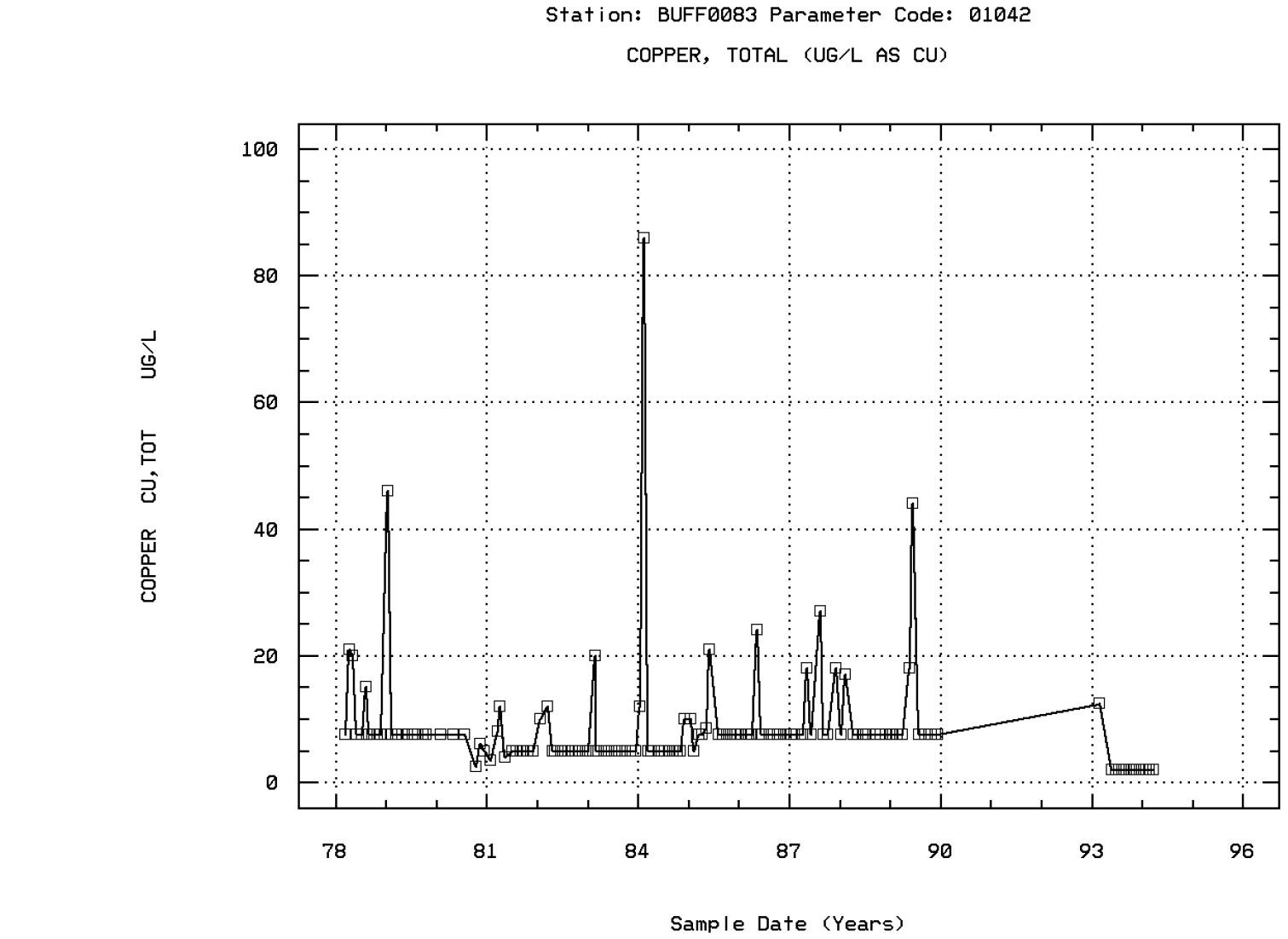
BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 01034

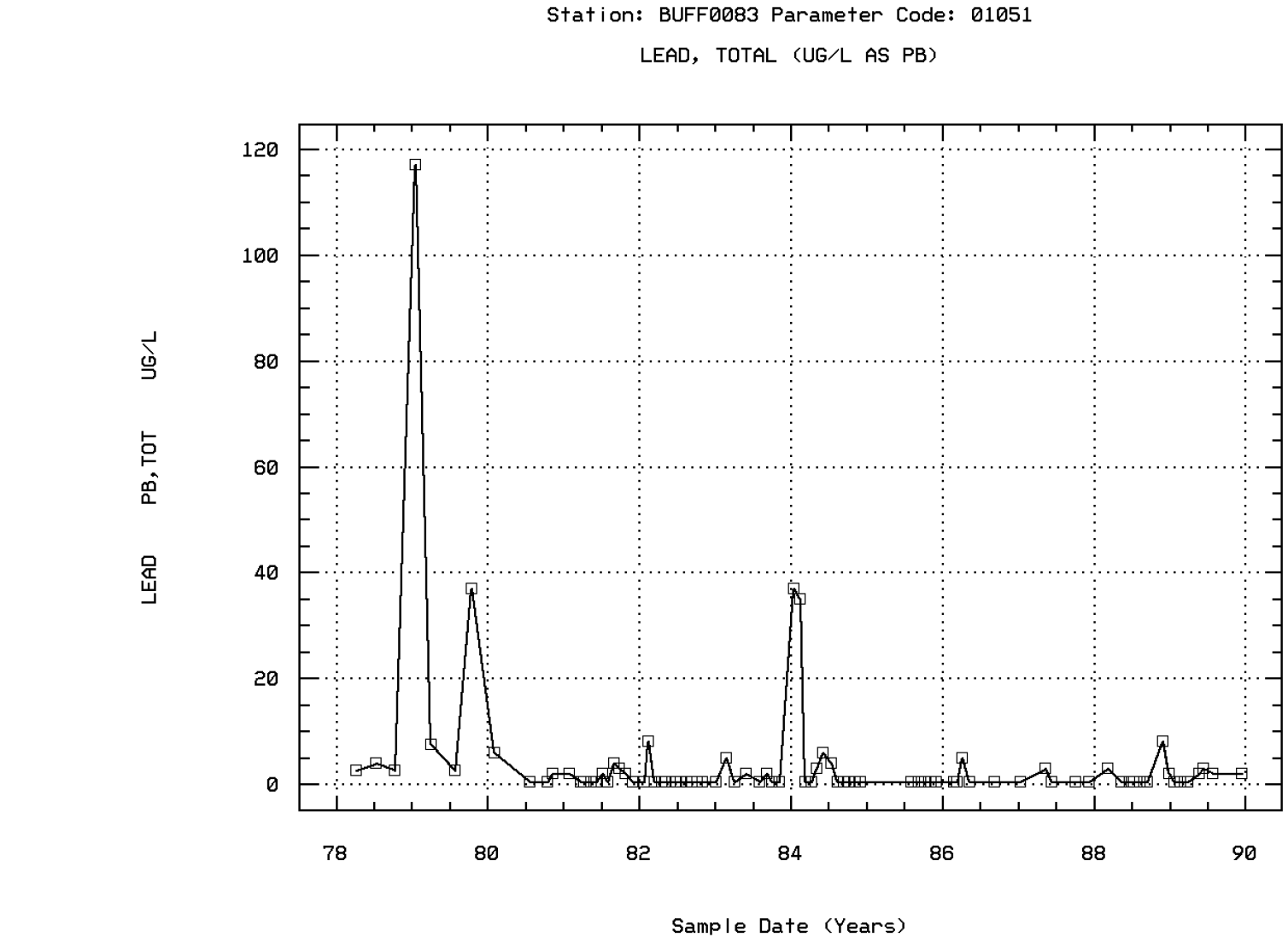
CHROMIUM, TOTAL (UG/L AS CR)



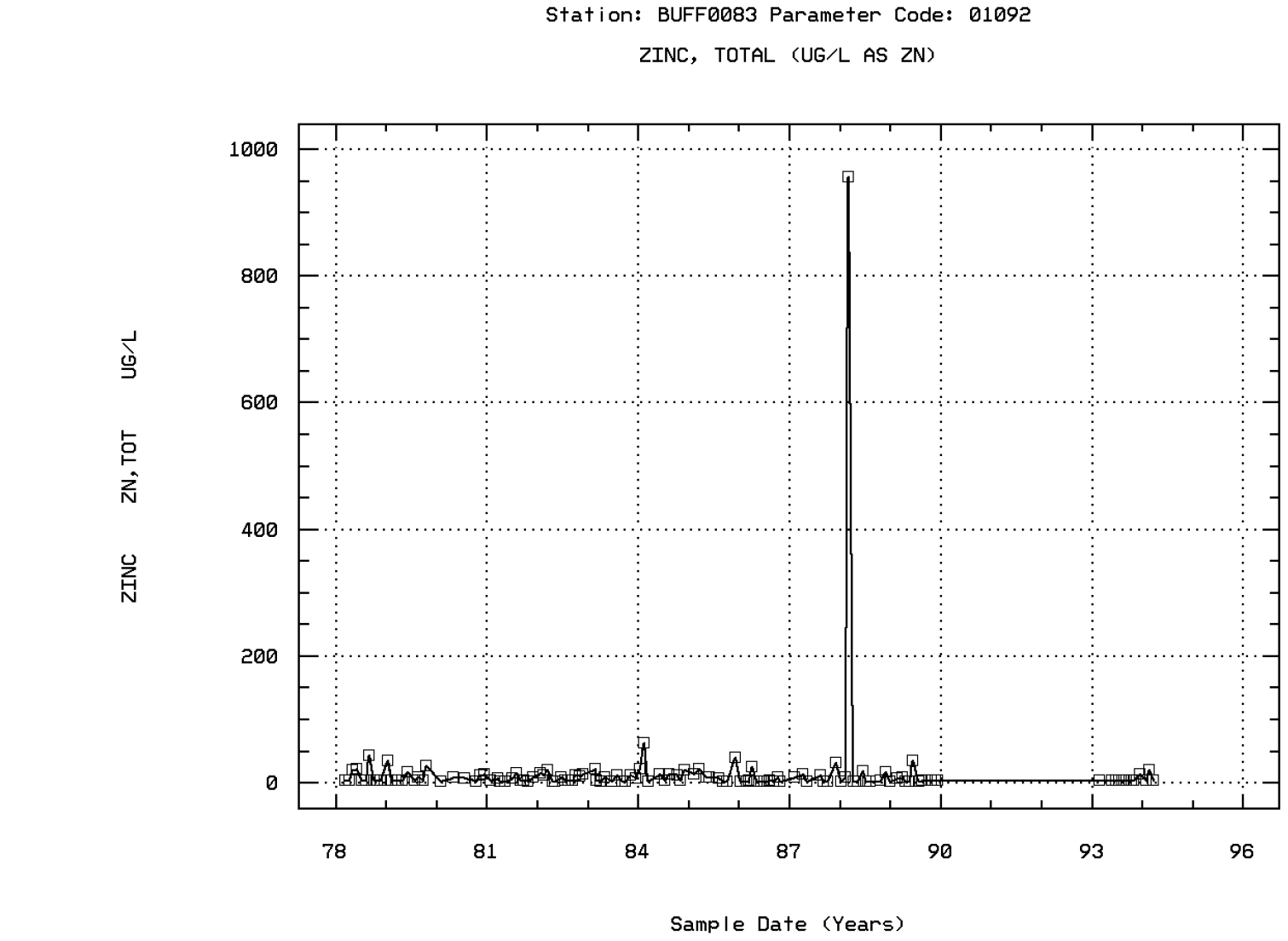
BUFFALO RIVER NR ST. JOE, ARK.



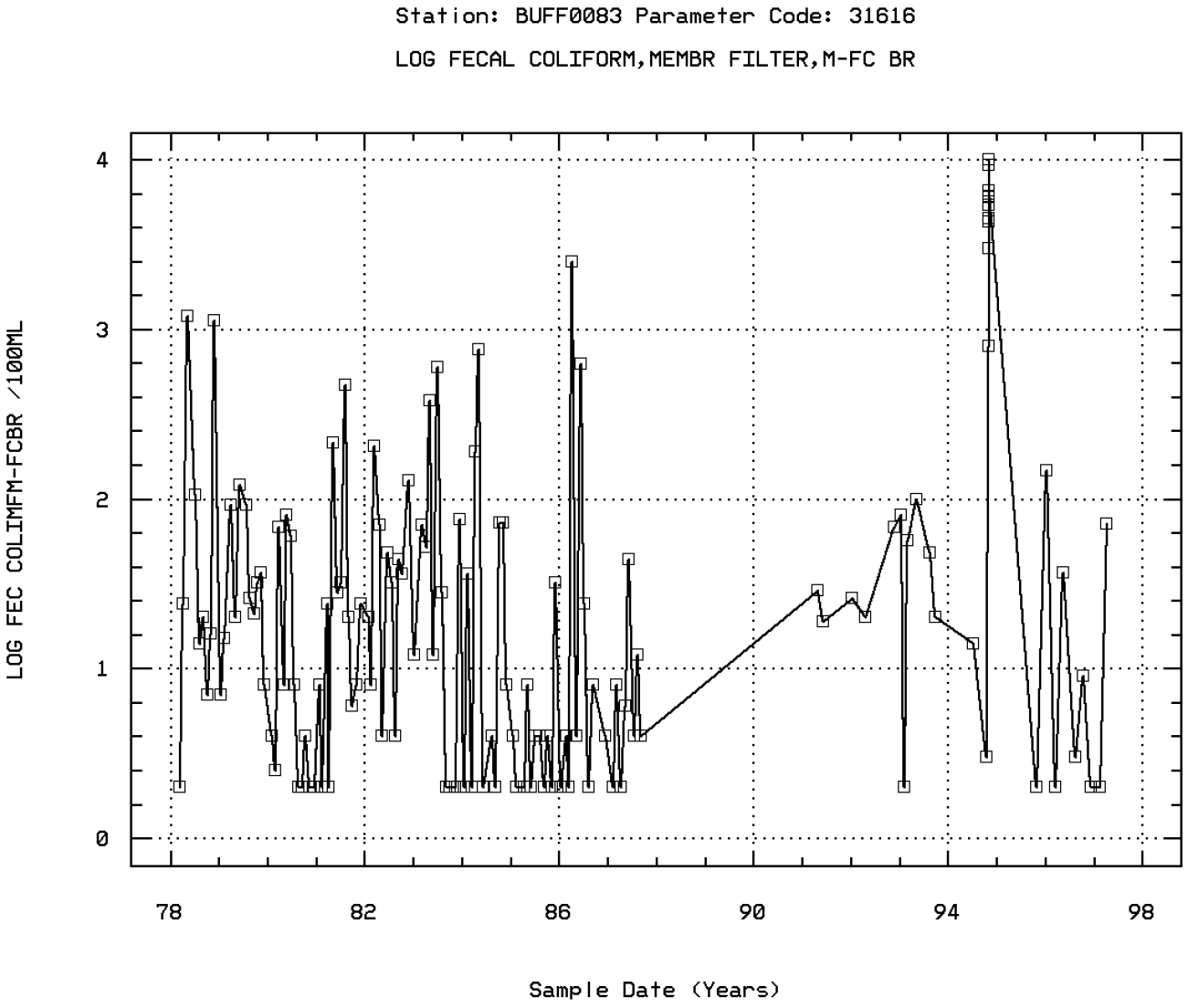
BUFFALO RIVER NR ST. JOE, ARK.



BUFFALO RIVER NR ST. JOE, ARK.



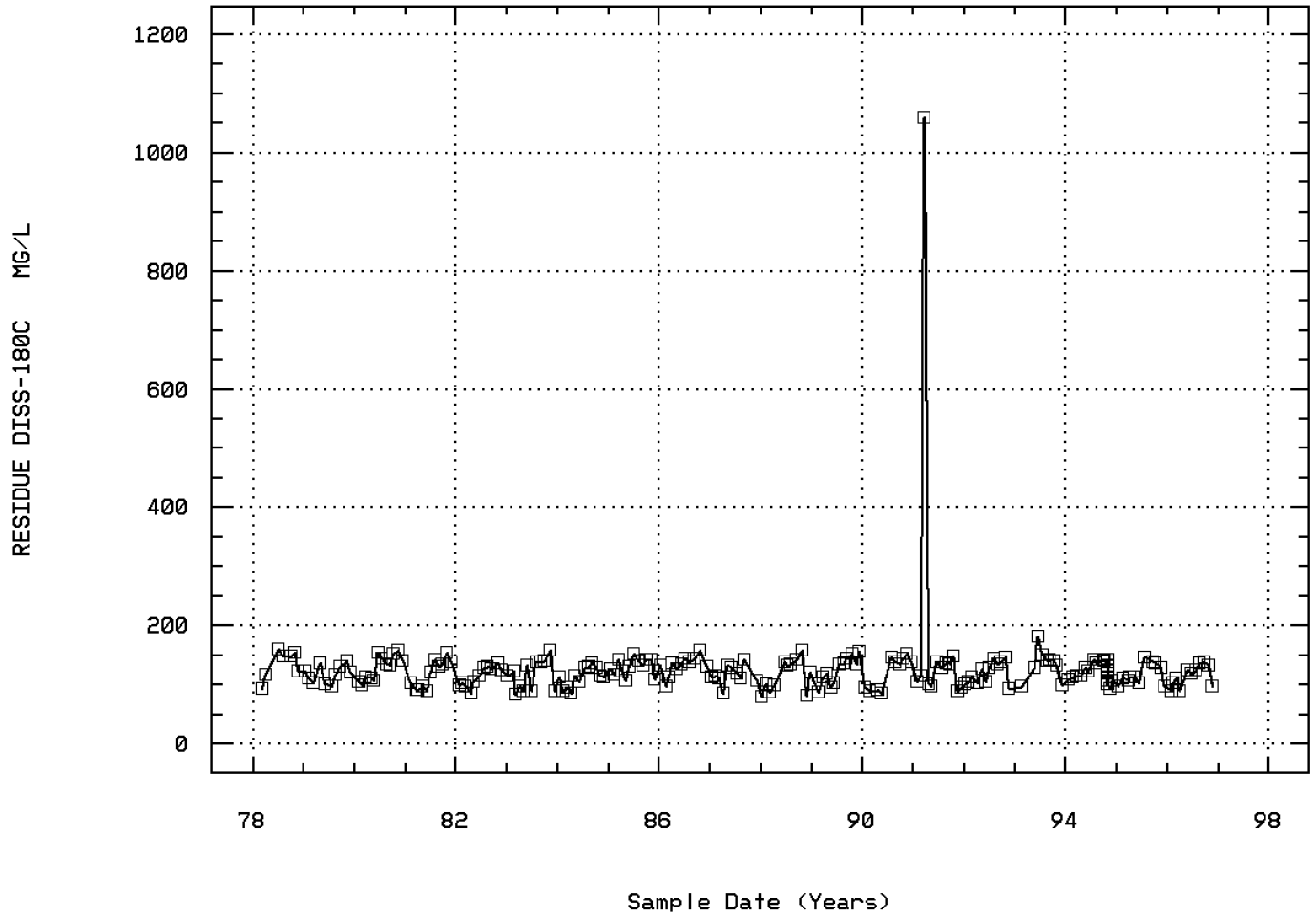
BUFFALO RIVER NR ST. JOE, ARK.



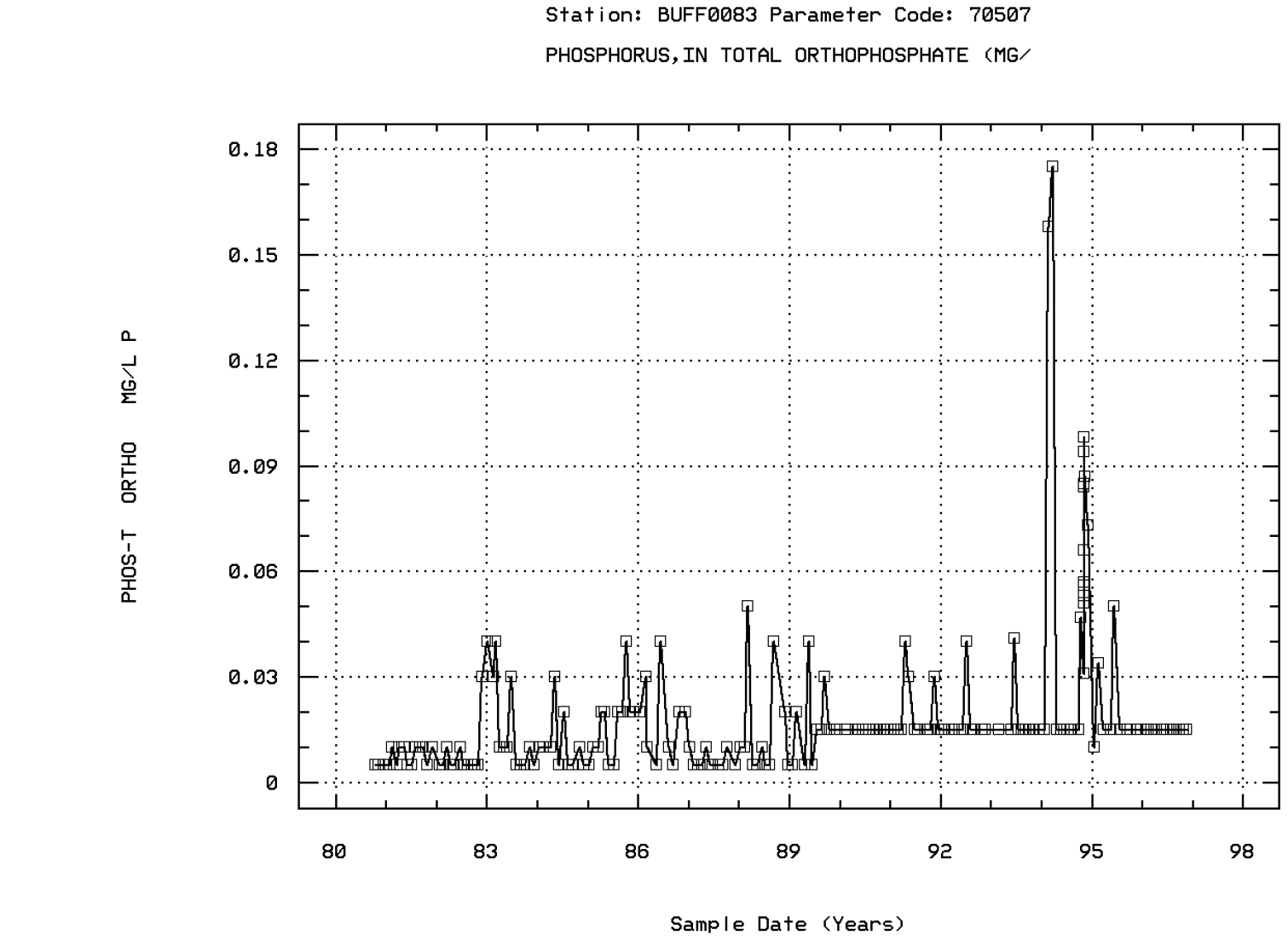
BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



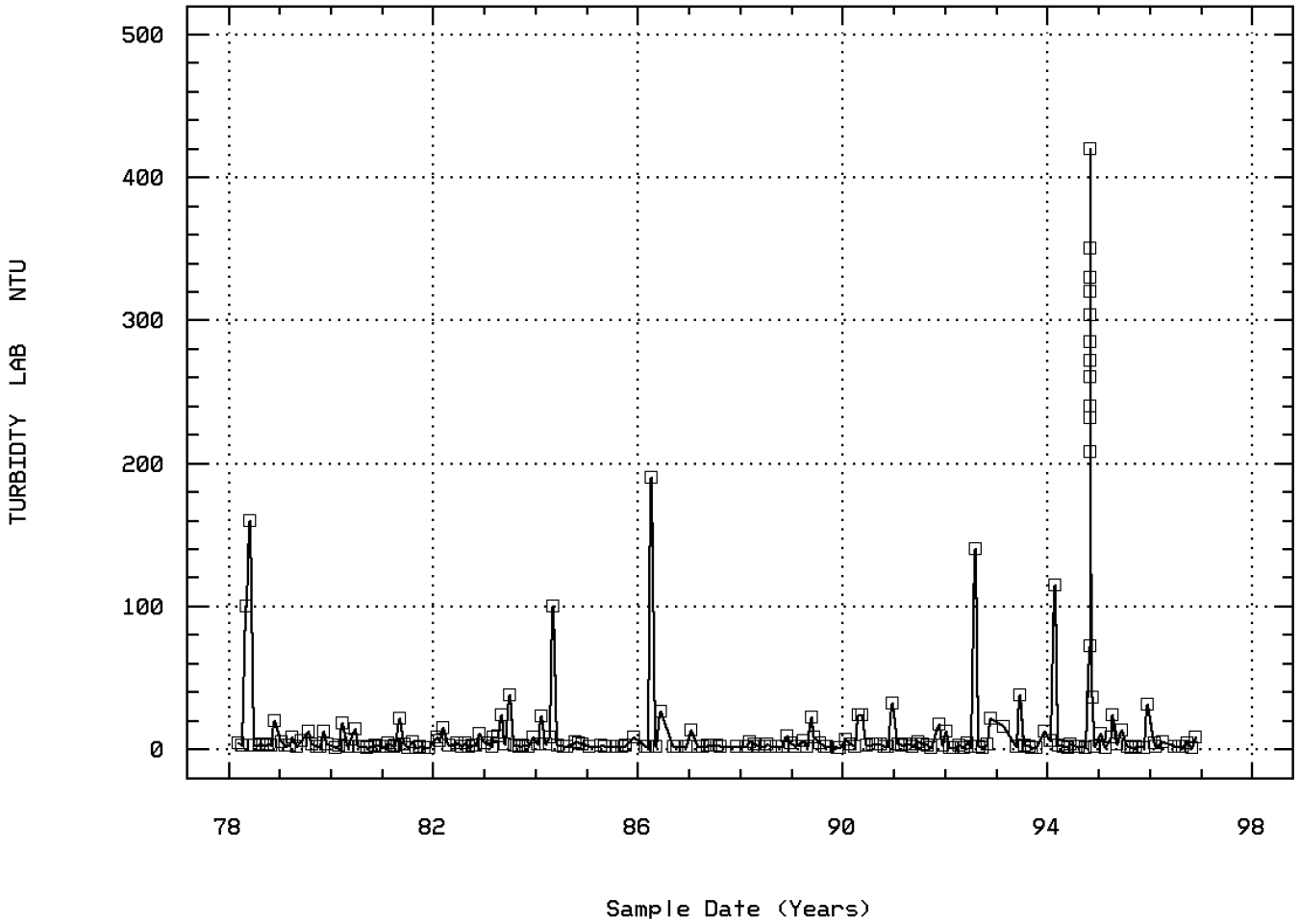
BUFFALO RIVER NR ST. JOE, ARK.



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



BUFFALO RIVER NR ST. JOE, ARK.

Annual Analysis for 1978 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	10	17.5	18.2	27.	9.	41.956	6.477	9.2	11.75	24.75	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	10	21.	17.9	30.	6.	72.989	8.543	6.1	7.75	23.75	29.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	10	569.	1923.6	12600.	33.	14721848.489	3836.906	33.4	37.75	1757.5	11554.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	9	6.89	6.881	16.65	3.44	16.249	4.031	3.44	3.995	7.62	16.65
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	9	237.	218.889	267.	130.	2309.111	48.053	130.	182.5	262.	267.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	10	8.55	8.59	11.3	6.5	1.745	1.321	6.58	7.75	9.275	11.12
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	10	89.5	89.	97.	80.	24.	4.899	80.3	86.	92.25	96.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	10	1.35	1.75	3.9	0.9	0.845	0.919	0.91	1.075	2.2	3.76
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	9	7.	10.667	24.	1.	62.75	7.921	1.	5.5	19.	24.
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	9	7.91	7.919	8.1	7.76	0.008	0.089	7.76	7.895	7.95	8.1
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	9	7.91	7.911	8.1	7.76	0.008	0.089	7.76	7.895	7.95	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	9	0.012	0.012	0.017	0.008	0.	0.002	0.008	0.011	0.013	0.017
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	10	7.	37.6	195.	3.	4210.044	64.885	3.1	4.	48.75	186.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	9	0.05	0.051	0.1	0.02	0.001	0.024	0.02	0.035	0.065	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	8	0.25	0.325	0.9	0.05	0.087	0.295	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	10	0.11	0.115	0.21	0.05	0.004	0.061	0.05	0.058	0.175	0.208
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	10	0.02	0.052	0.23	0.01	0.005	0.07	0.01	0.01	0.09	0.216
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	3	108.	103.	110.	91.	109.	10.44	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	10	4.5	4.6	6.	4.	0.489	0.699	4.	4.	5.	5.9
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	9	4.	3.556	7.	1.	3.778	1.944	1.	1.5	4.5	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	10 ##	1.5	2.6	9.	1.5	6.267	2.503	1.5	1.5	2.375	8.6
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	3 ##	2.5	3.667	6.	2.5	4.083	2.021	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	10 ##	7.5	10.85	21.	7.5	31.392	5.603	7.5	7.5	16.25	20.9
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	3 ##	2.5	3.	4.	2.5	0.75	0.866	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	10 ##	3.	10.4	43.	3.	181.378	13.468	3.	3.	19.5	40.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	9	20.	279.889	1200.	2.	253072.111	503.063	2.	10.5	618.	1200.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	9	1.301	1.593	3.079	0.301	0.905	0.951	0.301	0.996	2.539	3.079
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			39.156								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	7	147.	133.714	159.	92.	592.571	24.343	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	10	3.2	29.98	160.	2.2	3007.862	54.844	2.2	2.35	40.	154.

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

Annual Analysis for 1979 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	11.5	13.	26.	2.	66.909	8.18	2.3	5.75	18.75	26.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	11.5	11.	26.	-1.	92.182	9.601	0.3	3.75	20.25	25.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	11	575.	1193.909	6450.	40.	3538139.291	1880.994	49.	173.	1060.	5660.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	11	4.45	5.265	10.83	3.13	5.153	2.27	3.204	3.7	5.89	10.184
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	12	203.	198.083	246.	138.	1119.902	33.465	143.4	167.	221.75	244.2
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	10.5	9.875	13.	6.7	3.922	1.98	6.91	8.025	11.55	12.67
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	12	91.	90.583	102.	82.	33.902	5.823	82.6	84.5	94.	100.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	11	1.2	1.8	6.9	0.7	3.17	1.78	0.72	0.8	1.9	6.02
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	11	4.	3.136	6.	0.5	4.205	2.05	0.6	1.	5.	5.8
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.85	7.809	7.94	7.52	0.018	0.135	7.55	7.7	7.9	7.94
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.85	7.788	7.94	7.52	0.019	0.137	7.55	7.7	7.9	7.94
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.014	0.016	0.03	0.011	0.	0.006	0.011	0.013	0.02	0.028
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	6.	6.167	12.	1.	11.606	3.407	1.3	4.	7.75	12.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	11	0.05	0.055	0.11	0.02	0.001	0.031	0.02	0.02	0.08	0.108
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	11	0.1	0.364	1.5	0.	0.248	0.498	0.01	0.05	0.6	1.42
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	11	0.13	0.138	0.29	0.01	0.009	0.097	0.016	0.05	0.21	0.288
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	12	0.01	0.019	0.05	0.005	0.	0.014	0.007	0.01	0.03	0.044
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	4	94.5	90.25	112.	60.	534.917	23.128	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	12	4.	4.417	6.	3.	0.992	0.996	3.	4.	5.	6.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	12	4.5	4.583	8.	2.	3.356	1.832	2.	3.25	5.75	7.7
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	10 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5

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

Annual Analysis for 1979 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	10 ##	7.5	11.35	46.	7.5	148.225	12.175	7.5	7.5	7.5	42.15
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	4 ##	22.25	41.	117.	2.5	2798.833	52.904	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	10 ##	3.	10.5	35.	3.	139.833	11.825	3.	3.	19.5	34.2
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	11	26.	42.818	121.	7.	1564.964	39.56	7.2	15.	92.	115.2
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	11	1.415	1.459	2.083	0.845	0.172	0.415	0.857	1.176	1.964	2.059
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.757								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	10	117.5	117.	139.	97.	217.778	14.757	97.3	101.5	130.75	138.7
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	3.25	5.05	12.	1.4	14.426	3.798	1.58	2.125	7.725	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 1980 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	16.	15.333	27.	4.	65.333	8.083	4.3	9.	22.75	26.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	14.	14.167	27.	-6.	121.606	11.028	2.1	9.	26.	27.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	201.	565.917	2570.	23.	706225.72	840.372	23.	36.5	817.75	2378.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	11	3.88	4.375	7.45	2.76	2.367	1.538	2.784	3.3	5.45	7.312
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	11	235.	214.545	275.	154.	1731.673	41.613	154.6	171.	239.	272.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	8.7	8.892	12.	6.2	4.17	2.042	6.23	6.9	10.725	11.97
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	12	88.	86.167	94.	77.	42.333	6.506	77.	79.	91.75	93.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	11	1.5	1.527	2.8	0.3	0.844	0.919	0.36	0.7	2.4	2.8
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	10	3.5	3.35	7.	0.5	6.169	2.484	0.5	0.875	5.5	7.
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	11	7.88	7.877	8.02	7.72	0.009	0.093	7.732	7.8	7.96	8.012
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	11	7.88	7.868	8.02	7.72	0.009	0.094	7.732	7.8	7.96	8.012
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	11	0.013	0.014	0.019	0.01	0.	0.003	0.01	0.011	0.016	0.019
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	10	3.	4.25	14.	0.5	18.125	4.257	0.5	0.5	7.	13.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	11	0.04	0.037	0.11	0.005	0.001	0.031	0.006	0.01	0.05	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	12	0.4	0.446	1.1	0.005	0.142	0.377	0.019	0.1	0.675	1.1
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	12	0.07	0.093	0.23	0.02	0.005	0.07	0.02	0.035	0.148	0.221
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	10	0.01	0.016	0.05	0.005	0.	0.014	0.005	0.005	0.023	0.048
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	3	140.	132.667	144.	114.	265.333	16.289	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	11	5.	5.364	9.	4.	2.255	1.502	4.	4.	6.	8.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	12	5.	5.583	12.	1.	8.447	2.906	1.6	4.	7.5	11.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	6 ##	1.25	1.833	5.	1.	2.467	1.571	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	4 ##	1.25	1.375	2.5	0.5	1.063	1.031	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	6 ##	6.75	6.	7.5	2.5	4.	2.	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	5	1.	2.	6.	0.5	5.375	2.318	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	6	7.5	7.333	14.	1.5	23.167	4.813	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	12	4.	20.208	80.	2.	900.521	30.009	2.	2.	47.	76.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	12	0.602	0.844	1.903	0.301	0.407	0.638	0.301	0.301	1.559	1.882
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.98								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	12	133.	128.583	157.	99.	440.629	20.991	100.5	107.75	149.	156.1
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	2.05	4.542	18.	1.	31.908	5.649	1.06	1.25	5.9	16.8

** - 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 1981 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	16.	17.	27.	1.	71.091	8.432	3.4	10.25	25.	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	18.5	18.	31.	2.	98.364	9.918	3.2	8.5	27.25	30.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	346.	787.917	3350.	55.	1063126.811	1031.08	58.9	162.75	1072.5	3041.

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Annual Analysis for 1981 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	12	4.215	4.763	8.75	2.94	2.881	1.697	3.057	3.673	5.633	8.255
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	11	230.	208.818	261.	141.	1973.764	44.427	143.6	172.	246.	260.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	10.2	10.033	11.2	8.5	0.844	0.919	8.53	9.425	10.9	11.14
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	12	103.5	101.833	116.	77.	131.788	11.48	81.8	94.	112.75	115.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	1.55	1.65	2.7	0.6	0.641	0.801	0.6	0.825	2.5	2.67
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	11	4.	4.909	11.	1.	10.091	3.177	1.2	2.	8.	10.4
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.99	7.991	8.17	7.77	0.014	0.119	7.791	7.92	8.088	8.164
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.989	7.976	8.17	7.77	0.015	0.12	7.791	7.92	8.087	8.164
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.01	0.011	0.017	0.007	0.	0.003	0.007	0.008	0.012	0.016
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	11	2.	4.909	16.	0.5	25.441	5.044	0.5	1.	8.	15.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	11	0.03	0.04	0.1	0.005	0.001	0.027	0.006	0.02	0.06	0.092
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	10 ##	0.075	0.295	0.9	0.05	0.104	0.322	0.05	0.05	0.6	0.87
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	12	0.06	0.094	0.29	0.03	0.008	0.091	0.03	0.04	0.093	0.287
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	11	0.01	0.013	0.05	0.005	0.	0.013	0.005	0.005	0.01	0.044
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	11	122.	108.091	130.	70.	608.091	24.659	71.2	78.	130.	130.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	11	4.	4.455	6.	3.	0.673	0.82	3.2	4.	5.	5.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	12	5.	5.	10.	2.	5.273	2.296	2.	3.	6.	9.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	11 ##	1.	0.773	1.	0.5	0.068	0.261	0.5	0.5	1.	1.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	12	1.5	1.875	6.	0.5	3.006	1.734	0.5	0.5	2.75	5.4
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	10 ##	5.	5.75	12.	3.5	6.181	2.486	3.55	4.75	5.75	11.6
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	12 ##	0.75	1.417	4.	0.5	1.402	1.184	0.5	0.5	2.	3.7
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	10 ##	3.5	5.25	15.	1.5	18.792	4.335	1.5	1.5	7.5	14.4
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	12	22.	69.917	470.	2.	19272.447	138.825	2.	6.5	31.	393.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	12	1.341	1.267	2.672	0.301	0.509	0.713	0.301	0.809	1.491	2.57
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.495								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	11	119.	116.636	153.	89.	563.655	23.741	89.2	91.	137.	150.8
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	12	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	1.95	3.783	21.	0.8	31.329	5.597	0.83	0.975	4.3	16.14

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Annual Analysis for 1982 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	19.	18.083	27.	6.	48.265	6.947	6.9	12.	24.5	26.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	22.	20.333	31.	3.	63.333	7.958	5.7	15.25	27.25	30.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	684.5	989.833	3140.	62.	1088235.606	1043.185	73.7	183.25	1470.	3047.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	11	5.35	5.284	8.55	3.29	3.338	1.827	3.304	3.56	6.55	8.442
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	10	178.5	186.8	265.	133.	2044.4	45.215	134.1	146.25	235.	262.3
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	9.25	9.667	12.5	8.3	1.508	1.228	8.33	8.85	10.325	12.11
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	12	99.5	100.083	110.	94.	23.72	4.87	94.3	96.25	104.25	108.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	1.6	1.975	5.6	0.6	1.828	1.352	0.69	1.05	2.65	4.79
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	11	5.	5.091	9.	2.	5.291	2.3	2.	3.	7.	8.8
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.88	7.863	7.98	7.55	0.012	0.111	7.634	7.833	7.94	7.974
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.88	7.848	7.98	7.55	0.013	0.112	7.634	7.833	7.94	7.974
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.013	0.014	0.028	0.01	0.	0.005	0.011	0.011	0.015	0.024
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	3.5	4.083	10.	0.5	10.402	3.225	0.5	1.25	7.5	9.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	12	0.02	0.027	0.08	0.01	0.	0.02	0.01	0.01	0.038	0.068
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	10	0.15	0.175	0.4	0.05	0.016	0.125	0.05	0.05	0.3	0.39
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	12	0.075	0.116	0.35	0.01	0.015	0.121	0.01	0.025	0.235	0.332
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	11	0.01	0.019	0.05	0.005	0.	0.015	0.006	0.01	0.03	0.048
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	11	86.	93.636	120.	70.	427.055	20.665	70.4	74.	116.	120.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	11	4.	4.273	7.	3.	1.618	1.272	3.	3.	5.	6.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	11	5.	5.545	10.	2.	4.673	2.162	2.4	4.	7.	9.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	12 ##	0.5	0.542	1.	0.5	0.021	0.144	0.5	0.5	0.5	0.85
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	11 ##	0.5	1.364	5.	0.5	2.505	1.583	0.5	0.5	1.	4.8
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	11 ##	5.	6.091	12.	5.	6.091	2.468	5.	5.	5.	11.6

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Annual Analysis for 1982 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	12	## 0.5	1.167	8.	0.5	4.652	2.157	0.5	0.5	0.5	5.9
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	12	9.5	8.667	20.	1.5	36.379	6.031	1.5	3.	12.75	18.5
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	11	36.	54.545	206.	4.	3804.873	61.684	4.	8.	70.	190.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	11	1.556	1.46	2.314	0.602	0.32	0.565	0.602	0.903	1.845	2.273
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.844								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	11	114.	112.909	136.	84.	279.491	16.718	86.4	99.	128.	134.8
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	12	## 0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.009	0.024
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	11	3.8	5.382	15.	2.	18.238	4.271	2.	2.2	8.	14.2

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Annual Analysis for 1983 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	14.	16.333	29.	7.	53.152	7.291	7.3	11.25	22.75	28.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	14.	16.25	29.	3.	83.114	9.117	3.6	7.75	25.	29.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	992.5	1241.25	4260.	30.	1935161.841	1391.101	30.3	60.75	1820.	4041.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	12	5.26	5.203	9.6	2.45	5.279	2.298	2.453	3.02	6.54	9.285
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	11	201.	198.727	255.	131.	2029.018	45.045	134.	159.	247.	254.8
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	9.9	9.925	11.9	7.5	2.326	1.525	7.5	8.975	11.275	11.87
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	12	95.5	98.917	115.	85.	112.811	10.621	85.3	91.75	111.75	114.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	1.45	1.467	2.9	0.3	0.737	0.858	0.33	0.6	2.275	2.75
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	10	3.5	4.15	10.	0.5	8.558	2.925	0.55	1.75	6.25	9.7
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.8	7.813	8.19	7.47	0.04	0.199	7.524	7.66	7.99	8.136
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.8	7.772	8.19	7.47	0.041	0.203	7.524	7.66	7.99	8.136
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.016	0.017	0.034	0.006	0.	0.008	0.007	0.01	0.022	0.03
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	4.	7.	29.	0.5	94.136	9.702	0.5	2.	4.75	28.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	12	0.035	0.035	0.1	0.005	0.001	0.026	0.007	0.013	0.05	0.085
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	10	0.25	0.36	1.1	0.05	0.104	0.323	0.05	0.163	0.475	1.06
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	9	0.1	0.106	0.17	0.05	0.003	0.051	0.05	0.055	0.165	0.17
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	11	0.02	0.031	0.09	0.005	0.001	0.028	0.006	0.01	0.05	0.086
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	11	90.	94.909	130.	62.	581.891	24.122	63.6	72.	122.	128.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	12	4.	3.833	5.	3.	0.515	0.718	3.	3.	4.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	11	6.	5.818	9.	2.	3.964	1.991	2.2	5.	7.	8.8
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	11	## 0.5	0.614	2.5	0.25	0.442	0.665	0.25	0.25	0.5	2.2
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	12	## 0.5	1.	3.	0.5	0.727	0.853	0.5	0.5	1.75	2.7
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	11	## 5.	6.364	20.	5.	20.455	4.523	5.	5.	5.	17.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	12	1.	1.292	5.	0.5	1.657	1.287	0.5	0.5	1.75	4.1
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	10	4.5	6.6	21.	1.5	40.6	6.372	1.5	1.5	11.	20.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	12	20.	103.833	600.	2.	35417.061	188.194	2.	4.	74.5	534.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	12	1.263	1.359	2.778	0.301	0.708	0.842	0.301	0.476	1.872	2.719
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.858								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	12	118.	115.417	157.	83.	645.902	25.415	84.5	89.	137.75	151.6
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	12	0.01	0.017	0.04	0.005	0.	0.014	0.005	0.005	0.03	0.04
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	3.75	8.675	38.	1.3	125.24	11.191	1.33	1.725	8.8	33.8

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Annual Analysis for 1984 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	16.	17.583	31.	3.	80.811	8.989	4.5	10.25	26.5	30.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	22.	20.75	42.	-3.	150.568	12.271	-0.2	16.75	29.	38.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	792.	2556.75	19600.	32.	30061242.023	5482.813	41.6	113.	2097.5	14854.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	12	5.035	6.132	19.24	2.77	20.772	4.558	2.851	3.193	7.073	16.174

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Annual Analysis for 1984 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	10	190.	184.	232.	114.	1611.556	40.144	116.1	154.5	221.75	231.8
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	11	10.3	10.591	12.8	8.9	1.801	1.342	8.96	9.3	11.3	12.8
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	11	110.	112.364	164.	93.	393.255	19.831	93.4	97.	117.	156.
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	1.25	1.392	2.9	0.4	0.65	0.806	0.46	0.775	1.9	2.87
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	12	3.3	4.967	20.	0.5	29.786	5.458	0.5	2.	5.75	17.
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.905	7.914	8.41	7.43	0.076	0.276	7.493	7.725	8.075	8.377
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.905	7.838	8.41	7.43	0.083	0.287	7.493	7.725	8.075	8.377
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.012	0.015	0.037	0.004	0.	0.009	0.004	0.008	0.019	0.033
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	4.	16.417	144.	2.	1631.72	40.395	2.	2.	6.75	105.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	9	0.02	0.027	0.08	0.005	0.001	0.028	0.005	0.005	0.05	0.08
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	11	0.1	0.236	1.	0.05	0.084	0.289	0.05	0.05	0.4	0.88
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	11	0.12	0.144	0.27	0.05	0.007	0.083	0.05	0.06	0.24	0.266
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	11	0.03	0.045	0.16	0.01	0.002	0.045	0.01	0.02	0.07	0.144
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	11	92.	90.	124.	56.	484.	22.	57.6	72.	106.	122.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	12	3.5	3.75	5.	2.	1.114	1.055	2.3	3.	5.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	10	5.5	5.2	7.	3.	2.622	1.619	3.	3.75	7.	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	11 ##	0.25	0.314	0.7	0.25	0.022	0.148	0.25	0.25	0.25	0.66
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	12 ##	0.5	1.125	4.	0.5	1.46	1.208	0.5	0.5	1.625	3.7
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	11 ##	5.	13.455	86.	5.	584.873	24.184	5.	5.	10.	71.2
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	12 ##	0.5	7.375	37.	0.5	182.188	13.498	0.5	0.5	5.5	36.4
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	9	13.	16.833	63.	1.5	345.5	18.588	1.5	4.	20.	63.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	12	9.	96.667	760.	2.	46675.152	216.044	2.	2.	72.	589.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	12	0.952	1.178	2.881	0.301	0.79	0.889	0.301	0.301	1.857	2.7
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.077								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	12	113.	112.	136.	85.	272.727	16.514	86.2	96.5	127.75	133.9
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	10	0.01	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.013	0.029
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	11	3.3	14.145	100.	1.6	847.751	29.116	1.68	2.2	8.	84.6

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Annual Analysis for 1985 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	17.	17.75	30.	5.	80.386	8.966	5.6	8.5	27.5	29.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	20.	20.583	37.	0.	150.811	12.28	1.2	9.75	33.25	36.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	680.	712.	2120.	43.	484536.	696.086	44.2	53.75	1035.	1979.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	12	5.415	4.876	7.25	3.08	2.175	1.475	3.116	3.31	6.103	6.998
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	9	244.	220.778	249.	147.	1363.944	36.932	147.	188.5	245.5	249.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	10.7	10.908	13.8	8.7	3.001	1.732	8.7	9.45	12.75	13.62
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	8	113.	111.125	125.	89.	119.268	10.921	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	11	1.6	1.864	3.4	0.5	0.785	0.886	0.64	1.3	2.6	3.34
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	9	2.	2.556	4.	1.	1.528	1.236	1.	1.5	4.	4.
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	8.085	8.023	8.27	7.65	0.05	0.223	7.65	7.845	8.205	8.261
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	8.08	7.967	8.27	7.65	0.053	0.23	7.65	7.845	8.205	8.261
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.008	0.011	0.022	0.005	0.	0.006	0.005	0.006	0.014	0.022
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	2.	2.958	15.	0.5	15.43	3.928	0.5	0.875	2.75	11.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	11 ##	0.005	0.006	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.017
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	11 ##	0.05	0.082	0.2	0.05	0.003	0.051	0.05	0.05	0.1	0.19
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	12	0.085	0.12	0.35	0.03	0.01	0.098	0.033	0.05	0.183	0.317
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	10	0.025	0.022	0.04	0.005	0.	0.014	0.005	0.009	0.033	0.04
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	12	117.	111.	128.	74.	256.364	16.011	80.	101.	124.	126.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	11	3.	3.273	4.	2.	0.618	0.786	2.	3.	4.	4.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	11	8.	8.091	11.	6.	1.891	1.375	6.2	7.	9.	10.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	12 ##	0.25	0.233	0.25	0.05	0.003	0.058	0.11	0.25	0.25	0.25
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	11 ##	0.5	4.455	40.	0.5	140.073	11.835	0.5	0.5	1.	32.8
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	11 ##	7.5	8.818	21.	5.	17.664	4.203	5.5	7.5	8.5	18.8
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	11	1.	0.773	1.	0.5	0.068	0.261	0.5	0.5	1.	1.

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Annual Analysis for 1985 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	8	9.	12.625	39.	1.5	155.054	12.452	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	11	4.	6.	32.	2.	77.6	8.809	2.	2.	4.	27.2
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	11	0.602	0.575	1.505	0.301	0.135	0.368	0.301	0.301	0.602	1.385
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.756								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	12	131.	129.667	151.	106.	203.515	14.266	106.6	118.25	141.	148.3
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	12	0.02	0.016	0.04	0.005	0.	0.01	0.005	0.006	0.02	0.034
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	11	2.	2.355	8.	1.	3.803	1.95	1.	1.	2.4	6.9

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Annual Analysis for 1986 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	18.5	18.583	27.	9.	42.265	6.501	9.3	11.75	24.	26.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	20.5	20.833	32.	7.	65.788	8.111	8.5	14.	29.75	31.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	152.	2624.667	25500.	43.	53325084.97	7302.403	44.5	57.	447.5	19140.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	12	3.775	5.582	21.73	3.	29.107	5.395	3.	3.063	4.405	18.091
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	9	210.	200.	245.	116.	1628.25	40.352	116.	174.	232.	245.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	9.2	9.6	11.9	7.6	1.955	1.398	7.75	8.525	10.925	11.69
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	12	101.	101.917	124.	90.	92.992	9.643	90.6	94.25	108.75	120.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	11	1.9	1.945	4.3	0.9	0.923	0.961	0.92	1.3	2.3	4.
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	9	3.	7.5	35.	0.5	113.875	10.671	0.5	2.5	8.	35.
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	11	8.05	8.108	8.84	7.78	0.079	0.28	7.802	7.91	8.17	8.728
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	11	8.05	8.047	8.84	7.78	0.083	0.287	7.802	7.91	8.17	8.728
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	11	0.009	0.009	0.017	0.001	0.	0.004	0.002	0.007	0.012	0.016
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	2.	22.667	228.	0.	4240.015	65.115	0.15	0.625	3.	168.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	11	0.03	0.039	0.1	0.005	0.001	0.03	0.005	0.01	0.06	0.094
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	9	0.1	0.244	1.	0.05	0.092	0.304	0.05	0.075	0.3	1.
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	6	0.11	0.207	0.58	0.05	0.044	0.21	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	12	0.02	0.047	0.32	0.005	0.008	0.088	0.005	0.013	0.028	0.245
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	2	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	12	118.	109.333	128.	68.	386.424	19.658	73.4	93.	125.5	128.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	11	3.	2.909	5.	2.	0.691	0.831	2.	2.	3.	4.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	10	8.5	7.8	9.	3.	3.511	1.874	3.4	7.	9.	9.
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	10 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	10 ##	0.75	1.65	9.	0.5	6.892	2.625	0.5	0.5	1.25	8.3
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	11 ##	7.5	9.	24.	7.5	24.75	4.975	7.5	7.5	7.5	20.7
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	12	1.	1.167	5.	0.5	1.515	1.231	0.5	0.5	1.	3.8
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	11 ##	1.5	4.5	24.	1.5	45.8	6.768	1.5	1.5	4.	20.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	11	4.	289.091	2500.	2.	571589.091	756.035	2.	2.	24.	2124.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	11	0.602	1.108	3.398	0.301	1.093	1.045	0.301	0.301	1.38	3.277
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.81								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	11	134.	131.818	158.	97.	265.164	16.284	100.2	126.	144.	155.2
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	9	0.02	0.018	0.04	0.005	0.	0.012	0.005	0.008	0.025	0.04
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	2.	19.317	190.	1.	2938.694	54.21	1.	1.	2.	140.8

** - 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 BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	11	17.	18.545	30.	7.	81.673	9.037	7.2	9.	28.	29.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	11	19.	20.636	35.	3.	106.655	10.327	4.4	12.	30.	34.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	11	212.	265.545	730.	27.	58948.673	242.793	27.	32.	519.	693.8
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	11	3.64	3.625	5.9	2.54	1.038	1.019	2.552	2.67	4.25	5.634

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Annual Analysis for 1987 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	9	11.3	11.133	12.8	9.3	1.525	1.235	9.3	9.8	12.1	12.8
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	10	120.5	118.2	155.	97.	328.844	18.134	97.1	101.75	128.5	152.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	11	1.6	1.455	2.1	0.	0.415	0.644	0.14	1.1	2.	2.08
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	11	8.17	8.242	8.72	8.03	0.05	0.223	8.034	8.06	8.38	8.684
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	11	8.17	8.198	8.72	8.03	0.052	0.228	8.034	8.06	8.38	8.684
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	11	0.007	0.006	0.009	0.002	0.	0.003	0.002	0.004	0.009	0.009
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	11	3.	3.	7.	0.5	5.35	2.313	0.5	1.	4.	7.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	11	0.02	0.025	0.04	0.005	0.	0.014	0.005	0.01	0.04	0.04
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	8	0.09	0.098	0.17	0.04	0.002	0.049	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	9	0.01	0.019	0.06	0.005	0.	0.017	0.005	0.01	0.025	0.06
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	11	4.7	4.164	8.4	1.4	4.741	2.177	1.42	2.1	5.3	8.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	11	102.	99.455	118.	82.	154.473	12.429	82.8	86.	110.	117.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	10	3.	3.1	5.	2.	0.767	0.876	2.	2.75	3.25	4.9
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	9	4.	4.444	8.	2.	3.528	1.878	2.	3.	6.	8.
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	8 ##	0.25	0.313	0.5	0.25	0.013	0.116	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	9 ##	0.5	0.556	1.	0.5	0.028	0.167	0.5	0.5	0.5	1.
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	9 ##	7.5	12.	27.	7.5	52.313	7.233	7.5	7.5	18.	27.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	9	1.	1.	3.	0.5	0.625	0.791	0.5	0.5	1.	3.
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	7	8.	9.786	32.	1.5	119.071	10.912	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	8	5.	10.25	44.	2.	197.071	14.038	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	8	0.69	0.776	1.643	0.301	0.196	0.443	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.974								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	10	113.5	115.9	142.	85.	241.433	15.538	87.2	109.25	128.25	141.
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	10 ##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	10	1.85	2.87	13.	1.	12.973	3.602	1.	1.225	2.425	11.95

** - 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 1988 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	13.5	16.833	31.	4.	89.424	9.456	4.9	9.25	27.25	30.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	17.5	18.5	33.	6.	104.818	10.238	6.3	8.5	30.	32.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	387.	740.667	2780.	36.	858367.152	926.481	36.3	60.5	1201.25	2624.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	4	6.34	6.323	7.95	4.66	2.984	1.727	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	10.45	10.442	13.4	7.3	2.27	1.507	7.99	9.7	10.875	13.1
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	10	95.5	100.6	129.	87.	148.711	12.195	87.5	92.75	107.75	127.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	1.55	1.492	2.8	0.6	0.41	0.64	0.63	0.925	1.95	2.59
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	11	8.07	8.037	8.36	7.51	0.051	0.226	7.578	7.88	8.19	8.332
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	11	8.07	7.974	8.36	7.51	0.056	0.236	7.578	7.88	8.19	8.332
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	11	0.009	0.011	0.031	0.004	0.	0.007	0.005	0.006	0.013	0.028
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	2.	2.5	7.	0.5	3.5	1.871	0.5	1.	3.75	6.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	9	0.02	0.032	0.08	0.005	0.001	0.028	0.005	0.01	0.06	0.08
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	9	0.06	0.116	0.49	0.01	0.023	0.151	0.01	0.025	0.145	0.49
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	11	0.01	0.015	0.04	0.005	0.	0.011	0.006	0.01	0.02	0.038
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	11	4.	4.445	9.8	1.3	6.255	2.501	1.48	2.7	4.9	9.48
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	11	104.	104.727	132.	76.	345.018	18.575	77.6	90.	122.	130.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	11	3.	3.091	9.	1.	4.891	2.212	1.	2.	4.	8.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	12	5.	4.917	7.	2.	2.811	1.676	2.3	3.25	6.75	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	10 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	9 ##	0.5	17.5	138.	0.5	2058.5	45.371	0.5	0.5	8.	138.
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	10 ##	7.5	8.45	17.	7.5	9.025	3.004	7.5	7.5	7.5	16.05
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	9 ##	0.5	1.833	8.	0.5	6.125	2.475	0.5	0.5	2.5	8.
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	11 ##	1.5	92.091	956.	1.5	82137.141	286.596	1.5	1.5	17.	768.4
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	11	119.	114.909	157.	79.	735.891	27.127	79.2	87.	137.	154.
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	11	0.01	0.015	0.05	0.005	0.	0.016	0.005	0.005	0.02	0.048
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	11	2.	3.145	9.	1.5	5.423	2.329	1.5	1.5	4.5	8.2

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

Annual Analysis for 1989 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	19.	17.25	27.	4.	64.386	8.024	4.9	9.25	23.75	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	22.5	18.833	30.	1.	114.879	10.718	1.3	7.25	27.5	30.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	359.	1186.833	6050.	29.	3459069.97	1859.858	29.6	38.5	1795.	5288.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	12	9.3	9.917	13.2	8.1	2.822	1.68	8.1	8.625	11.325	12.9
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	11	101.	100.273	111.	87.	65.218	8.076	87.6	91.	105.	111.
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	1.45	1.542	3.4	0.4	0.779	0.883	0.49	0.825	2.175	3.16
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	8.205	8.146	8.34	7.47	0.052	0.229	7.647	8.112	8.27	8.325
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	8.204	8.065	8.34	7.47	0.059	0.244	7.647	8.112	8.27	8.325
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.006	0.009	0.034	0.005	0.	0.008	0.005	0.005	0.008	0.026
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	2.5	5.667	25.	1.	51.879	7.203	1.	1.	8.75	21.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	12 ##	0.025	0.04	0.14	0.005	0.002	0.04	0.007	0.025	0.038	0.128
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	11	0.03	0.049	0.2	0.005	0.004	0.063	0.006	0.01	0.05	0.188
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	11 ##	0.015	0.024	0.05	0.005	0.	0.016	0.006	0.015	0.04	0.05
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	10	3.1	3.21	4.4	1.1	0.894	0.946	1.27	2.8	4.	4.36
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	12	108.	105.5	144.	52.	815.364	28.555	56.8	90.	129.5	143.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	12	3.	2.833	5.	2.	0.879	0.937	2.	2.	3.	4.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	11	5.	5.182	7.	3.	1.564	1.25	3.2	4.	6.	7.
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	11 ##	0.5	1.727	7.	0.5	6.818	2.611	0.5	0.5	1.	7.
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	10 ##	7.5	12.2	44.	7.5	135.733	11.65	7.5	7.5	10.125	41.4
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	10 ##	1.	1.35	3.	0.5	0.725	0.851	0.5	0.5	2.	2.9
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	10 ##	4.	6.95	34.	1.5	95.192	9.757	1.5	1.5	7.25	31.4
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	12	125.5	122.333	156.	87.	538.788	23.212	89.1	100.75	141.25	154.8
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	11 ##	0.015	0.016	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.038
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	11	1.5	4.464	22.	0.5	39.779	6.307	0.58	1.	5.5	19.3

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Annual Analysis for 1990 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	16.5	18.	30.	9.	57.455	7.58	9.3	11.25	26.5	29.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	19.	20.667	34.	12.	56.97	7.548	12.	13.5	25.75	33.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	11	204.	1190.818	5170.	66.	3168210.564	1779.947	67.4	91.	1150.	4970.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	10	10.15	10.02	11.6	8.7	0.795	0.892	8.73	9.	10.525	11.5
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	7	107.	110.286	133.	90.	316.905	17.802	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	1.3	1.558	3.5	0.4	1.09	1.044	0.43	0.7	2.475	3.38
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	10	8.205	8.211	8.53	7.89	0.045	0.212	7.9	8.028	8.37	8.529
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	10	8.204	8.167	8.53	7.89	0.047	0.217	7.9	8.028	8.37	8.529
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	10	0.006	0.007	0.013	0.003	0.	0.003	0.003	0.004	0.009	0.013
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	3.5	7.417	28.	0.5	78.22	8.844	0.5	2.25	14.75	25.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	11 ##	0.025	0.03	0.05	0.025	0.	0.01	0.025	0.025	0.025	0.05
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	12	0.105	0.133	0.54	0.01	0.019	0.139	0.01	0.06	0.15	0.432
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	12 ##	0.028	0.04	0.09	0.015	0.001	0.03	0.015	0.015	0.06	0.09
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	11	2.5	2.709	4.6	0.8	1.647	1.283	0.88	1.6	4.	4.5
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	10	119.	105.2	130.	62.	667.733	25.841	63.2	78.5	126.5	129.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	12	3.	3.167	6.	2.	1.242	1.115	2.	2.25	3.75	5.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	12	4.5	4.75	8.	2.	3.841	1.96	2.	3.25	6.75	7.7
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	10 ##	12.5	10.5	12.5	7.5	6.667	2.582	7.5	7.5	12.5	12.5
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	11 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	7 ##	4.	5.571	11.	4.	7.952	2.82	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	10	135.5	120.8	151.	85.	742.178	27.243	85.3	90.25	144.25	150.4
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	10 ##	0.015	0.015	0.015	0.015	0.	0.	0.015	0.015	0.015	0.015
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	3.6	9.1	32.	1.8	117.944	10.86	1.86	2.125	19.75	29.6

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

Annual Analysis for 1991 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	16.5	18.25	31.	9.	54.205	7.362	9.3	11.	24.75	30.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	22.5	21.833	34.	9.	66.515	8.156	9.6	14.75	29.	33.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	12	489.5	951.333	4570.	36.	1767176.97	1329.352	37.5	77.75	1262.5	3901.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	11	10.7	10.618	12.5	9.3	1.234	1.111	9.32	9.6	11.6	12.36
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	1.	1.183	3.1	0.1	0.669	0.818	0.19	0.7	1.75	2.71
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	8.235	8.259	8.55	7.95	0.036	0.19	7.974	8.113	8.438	8.532
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	8.235	8.222	8.55	7.95	0.038	0.194	7.974	8.112	8.438	8.532
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.006	0.006	0.011	0.003	0.	0.003	0.003	0.004	0.008	0.011
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	12	2.	2.667	8.	0.5	5.106	2.26	0.5	1.	4.5	7.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	12 ##	0.025	0.037	0.08	0.025	0.001	0.022	0.025	0.025	0.051	0.08
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	12	0.05	0.099	0.3	0.01	0.011	0.107	0.01	0.02	0.2	0.291
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	12	0.023	0.038	0.11	0.	0.001	0.034	0.005	0.015	0.058	0.104
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	12	2.45	2.858	5.5	1.1	1.832	1.353	1.28	1.9	3.425	5.44
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	12	104.	105.333	134.	66.	523.152	22.873	70.2	85.	127.5	134.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	12	3.	2.583	3.	2.	0.265	0.515	2.	2.	3.	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	12	5.	4.75	6.	3.	0.932	0.965	3.3	4.	5.75	6.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	11 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	12 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	12 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	9 ##	4.	4.	4.	4.	0.	0.	4.	4.	4.	4.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	2	24.	24.	29.	19.	50.	7.071	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	2	1.371	1.371	1.462	1.279	0.017	0.13	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			23.473								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	12	121.5	195.083	1058.	88.	74229.174	272.45	90.1	98.	137.25	784.7
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	11 ##	0.015	0.02	0.04	0.015	0.	0.009	0.015	0.015	0.03	0.038
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	2.9	3.85	17.	0.7	18.381	4.287	0.79	2.175	3.35	13.4

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Annual Analysis for 1992 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	20.5	18.75	30.	11.	40.75	6.384	11.3	12.	23.5	28.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	12	22.	20.917	34.	8.	51.174	7.154	9.2	16.25	25.	32.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	13	491.	925.923	5390.	66.	2026420.244	1423.524	76.	212.5	828.5	3990.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	11	9.9	10.345	12.8	8.7	1.681	1.296	8.76	9.4	11.	12.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	11	0.6	0.855	1.9	0.3	0.283	0.532	0.3	0.5	1.1	1.86
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.93	7.968	8.39	7.48	0.079	0.281	7.495	7.853	8.23	8.348
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	12	7.93	7.882	8.39	7.48	0.087	0.295	7.495	7.852	8.23	8.348
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	12	0.012	0.013	0.033	0.004	0.	0.009	0.005	0.006	0.014	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	11	1.	18.773	180.	0.5	2872.918	53.6	0.5	0.5	5.	146.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	11 ##	0.025	0.029	0.07	0.025	0.	0.014	0.025	0.025	0.025	0.061
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	11	0.05	0.099	0.49	0.03	0.018	0.134	0.03	0.04	0.1	0.418
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	12 ##	0.015	0.048	0.33	0.015	0.008	0.09	0.015	0.015	0.039	0.246
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	12	4.55	4.467	8.9	1.6	5.168	2.273	1.6	2.525	5.5	8.54
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	12	106.	106.583	134.	76.	294.265	17.154	79.6	94.5	123.	131.3
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	12	2.	2.333	3.	1.	0.424	0.651	1.3	2.	3.	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	12	6.	5.417	7.	3.	1.72	1.311	3.	5.	6.	7.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	11 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	12 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	12 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	11 ##	4.	4.545	10.	4.	3.273	1.809	4.	4.	4.	8.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	3	26.	38.	68.	20.	684.	26.153	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	3	1.415	1.516	1.833	1.301	0.078	0.28	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.822								

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Annual Analysis for 1992 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	12	119.	119.083	145.	92.	342.083	18.495	94.7	102.5	136.	144.7
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	10 ##	0.015	0.018	0.04	0.015	0.	0.008	0.015	0.015	0.015	0.038
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	1.75	15.725	140.	0.5	1568.993	39.611	0.5	1.125	10.125	104.3

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Annual Analysis for 1993 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	9	20.	19.667	31.	7.	71.	8.426	7.	12.	26.5	31.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	9	23.	19.111	30.	3.	113.611	10.659	3.	7.	29.	30.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	14	673.5	1388.857	4580.	51.	2563718.747	1601.162	58.	77.	3152.5	4125.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	9	9.4	9.289	12.5	6.8	4.146	2.036	6.8	7.3	11.25	12.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	8	0.95	0.875	1.3	0.1	0.145	0.381	**	**	**	**
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	9	7.73	7.584	7.86	6.95	0.109	0.331	6.95	7.33	7.81	7.86
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	9	7.73	7.448	7.86	6.95	0.13	0.361	6.95	7.33	7.81	7.86
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	9	0.019	0.036	0.112	0.014	0.001	0.035	0.014	0.015	0.053	0.112
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	9	2.	6.278	24.	0.5	65.382	8.086	0.5	0.5	11.	24.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	8	0.061	0.054	0.091	0.025	0.001	0.026	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	9	0.03	0.073	0.22	0.01	0.007	0.085	0.01	0.01	0.16	0.22
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	9 ##	0.015	0.024	0.059	0.015	0.	0.018	0.015	0.015	0.035	0.059
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	9	3.7	3.644	6.9	1.2	2.863	1.692	1.2	2.35	4.65	6.9
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	9	107.	103.333	127.	66.	381.25	19.526	66.	90.5	116.	127.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	9	3.	2.778	4.	2.	0.444	0.667	2.	2.	3.	4.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	9	6.	5.778	8.	4.	2.194	1.481	4.	4.	7.	8.
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	8 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	8 ##	0.5	0.563	1.	0.5	0.031	0.177	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	9 ##	2.	3.167	12.5	2.	12.25	3.5	2.	2.	2.	12.5
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	9 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	9 ##	4.	5.	13.	4.	9.	3.	4.	4.	4.	13.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	6	52.5	51.167	100.	2.	1329.767	36.466	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	6	1.719	1.49	2.	0.301	0.397	0.63	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.93								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	9	140.	133.778	180.	96.	657.694	25.646	96.	113.	145.5	180.
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	9 ##	0.015	0.018	0.041	0.015	0.	0.009	0.015	0.015	0.015	0.041
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	9	2.	8.378	38.	1.	153.632	12.395	1.	1.1	14.	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 1994 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	21	16.7	16.938	26.	9.	21.964	4.687	9.6	14.	17.85	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	11	21.	20.545	32.	8.	70.073	8.371	8.4	15.	29.	31.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	27	833.	7208.778	40400.	36.	108938855.179	10437.378	36.8	200.	12600.	22840.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	12	16.385	15.046	27.17	4.11	52.441	7.242	4.488	7.233	19.948	25.754
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	12	100.5	112.667	178.	86.	823.879	28.703	88.1	94.75	120.5	173.2
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	8	9.45	9.613	13.1	7.4	3.518	1.876	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	12	0.65	0.767	1.9	0.1	0.232	0.481	0.16	0.5	1.025	1.72
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	13	7.51	7.5	7.9	6.95	0.097	0.312	6.978	7.27	7.76	7.896
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	13	7.51	7.391	7.9	6.95	0.11	0.332	6.978	7.27	7.76	7.896
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	13	0.031	0.041	0.112	0.013	0.001	0.032	0.013	0.018	0.056	0.106
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	24	90.	186.354	670.	0.5	49102.097	221.59	0.5	1.	358.	568.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	23	0.068	0.053	0.079	0.025	0.001	0.023	0.025	0.025	0.072	0.074
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	12	2.43	2.328	3.37	0.71	0.602	0.776	0.971	1.733	2.965	3.337

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Annual Analysis for 1994 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	23	0.17	0.155	0.34	0.01	0.007	0.086	0.024	0.1	0.22	0.24
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	24	0.24	0.32	0.911	0.015	0.098	0.313	0.015	0.019	0.608	0.78
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	23	7.7	6.191	15.1	0.5	16.848	4.105	1.56	2.3	9.5	11.58
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	11	100.	97.091	126.	58.	509.891	22.581	58.4	89.	117.	124.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	24	2.	2.5	4.	2.	0.435	0.659	2.	2.	3.	3.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	24	6.	6.292	9.	2.	2.129	1.459	4.5	6.	7.	8.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01027p	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	8 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	9 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01051p	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	9 ##	4.	5.333	11.	4.	7.25	2.693	4.	4.	6.5	11.
01092p	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	3 ##	4.	9.	19.	4.	75.	8.66	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	14	4950.	4694.071	10000.	3.	9228454.841	3037.837	8.5	2450.	6225.	9650.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	14	3.693	3.267	4.	0.477	1.167	1.08	0.812	3.334	3.794	3.984
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1849.848								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	24	123.	122.375	142.	92.	226.766	15.059	100.	109.	137.25	141.5
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	24	0.055	0.06	0.175	0.015	0.002	0.043	0.015	0.015	0.085	0.128
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	24	93.5	144.35	420.	1.	21730.029	147.411	1.15	1.625	281.75	340.

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	9	21.	18.333	29.	4.	68.25	8.261	4.	11.	25.	29.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	10	22.5	21.8	32.	10.	51.511	7.177	10.5	15.75	28.5	31.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	9	1450.	1709.	3920.	39.	2587331.75	1608.518	39.	128.5	3540.	3920.
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	9	8.7	8.644	10.3	7.	1.358	1.165	7.	7.6	9.8	10.3
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	10	0.45	0.5	1.3	0.1	0.107	0.327	0.12	0.3	0.6	1.23
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	11	7.33	7.341	7.81	6.64	0.169	0.411	6.654	7.07	7.7	7.806
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	11	7.33	7.154	7.81	6.64	0.207	0.455	6.654	7.07	7.7	7.806
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	11	0.047	0.07	0.229	0.015	0.005	0.074	0.016	0.02	0.085	0.222
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	11	2.	7.727	35.	0.5	146.318	12.096	0.5	0.5	8.	33.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	12 ##	0.025	0.038	0.112	0.025	0.001	0.031	0.025	0.025	0.025	0.107
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	12	0.09	0.107	0.36	0.01	0.012	0.108	0.01	0.013	0.143	0.33
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	11	0.036	0.034	0.078	0.015	0.	0.022	0.015	0.015	0.05	0.074
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	11	2.7	2.927	4.7	1.3	1.248	1.117	1.32	2.2	3.8	4.64
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	12	100.	104.25	140.	78.	466.205	21.592	79.2	83.5	124.5	136.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	12	3.	2.583	3.	2.	0.265	0.515	2.	2.	3.	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	11	7.	6.818	10.	1.	6.564	2.562	1.6	6.	9.	9.8
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	12 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	11 ##	0.5	0.545	1.	0.5	0.023	0.151	0.5	0.5	0.5	0.9
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	12 ##	1.	1.083	2.	1.	0.083	0.289	1.	1.	1.	1.7
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	12 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	11	4.	5.455	16.	1.	21.073	4.591	1.	3.	8.	15.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	1 ##	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	11	112.	116.636	146.	96.	299.855	17.316	96.2	102.	136.	144.2
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	10 ##	0.015	0.02	0.05	0.01	0.	0.012	0.011	0.015	0.02	0.048
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	12	2.55	8.158	31.	0.6	101.944	10.097	0.72	1.1	12.5	28.9

** - 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 BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	9	13.	16.222	28.	5.	66.194	8.136	5.	10.	24.5	28.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	8	22.5	22.125	30.	11.	37.268	6.105	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	8	10.35	10.15	12.5	7.8	2.363	1.537	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	11	0.4	0.645	2.4	0.1	0.393	0.627	0.12	0.4	0.8	2.1
00400p	PH (STANDARD UNITS)	03/13/78-10/29/96	8	7.48	7.441	8.3	6.25	0.389	0.624	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	8	7.48	6.996	8.3	6.25	0.615	0.784	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	8	0.033	0.101	0.562	0.005	0.035	0.188	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	10 ##	0.5	1.3	5.	0.5	2.289	1.513	0.5	0.5	1.5	4.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	10 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	10	0.17	0.173	0.35	0.04	0.009	0.097	0.042	0.082	0.26	0.341
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	9 ##	0.015	0.033	0.075	0.015	0.001	0.022	0.015	0.015	0.05	0.075
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	11	2.3	2.391	4.	1.6	0.675	0.822	1.62	1.8	2.5	3.98
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	9	99.	95.778	119.	70.	323.194	17.978	70.	75.5	111.	119.
00940p	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	11	3.	2.727	3.	2.	0.218	0.467	2.	2.	3.	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	10	7.	10.5	48.	3.	177.611	13.327	3.1	4.75	8.5	44.2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	8 ##	0.25	0.195	0.25	0.02	0.01	0.102	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	8 ##	0.5	0.575	1.	0.5	0.031	0.175	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	9 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	8 ##	1.	0.8	1.	0.2	0.137	0.37	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	9	4.	5.444	13.	1.	21.778	4.667	1.	1.	10.	13.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	6	6.	33.5	148.	2.	3327.5	57.684	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	6	0.716	0.962	2.17	0.301	0.587	0.766	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.162								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	11	118.	114.273	137.	88.	323.618	17.989	88.2	97.	132.	136.6
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	11 ##	0.015	0.015	0.015	0.015	0.	0.	0.015	0.015	0.015	0.015
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	10	1.65	2.99	8.2	1.	5.552	2.356	1.01	1.325	4.6	7.87

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

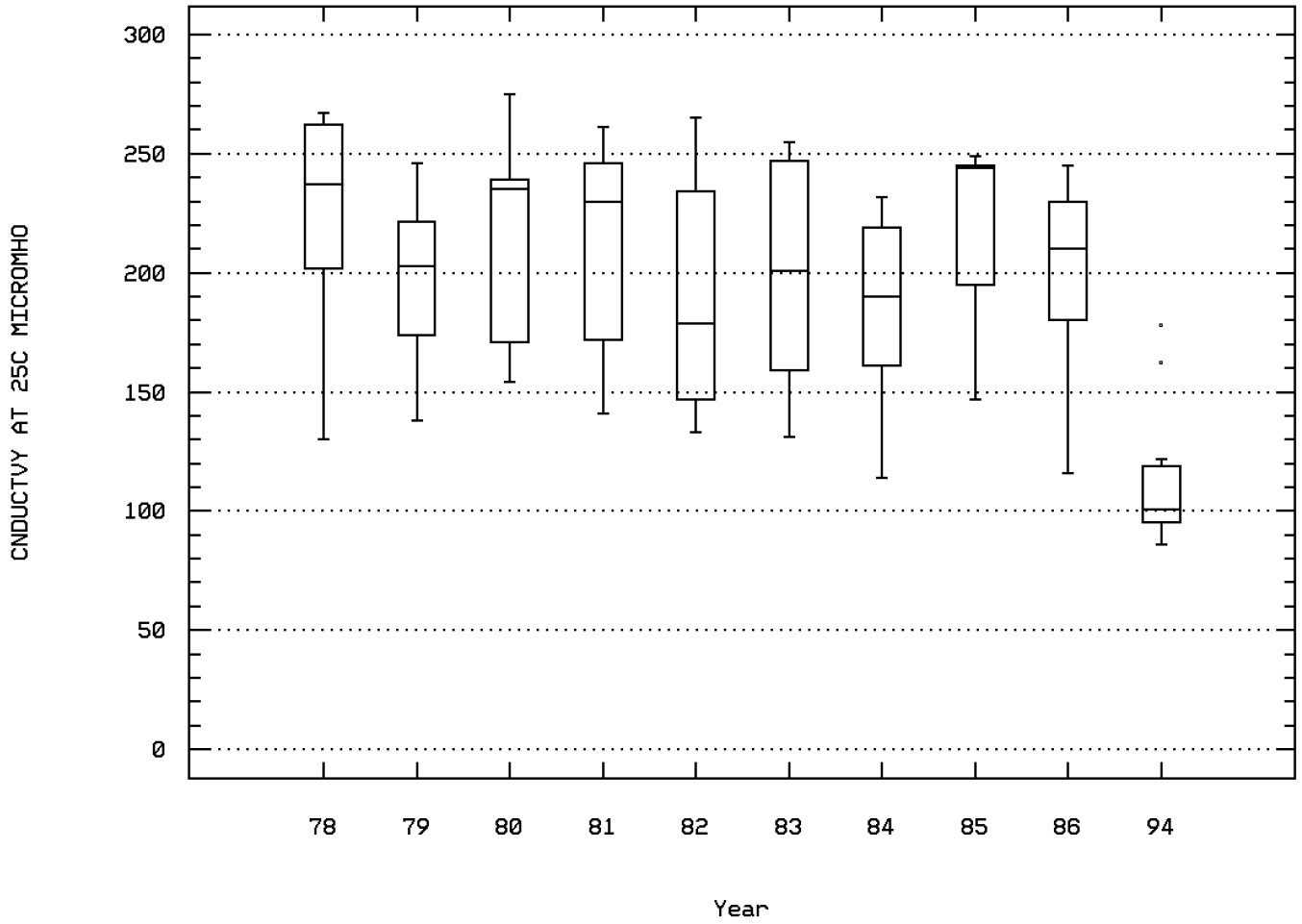
Annual Analysis for 1997 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	2 ##	36.5	36.5	71.	2.	2380.5	48.79	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	2 ##	1.076	1.076	1.851	0.301	1.202	1.096	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.916								

** - Less than 9 observations ## - Computed 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: BUFF0083 Parameter Code: 00095

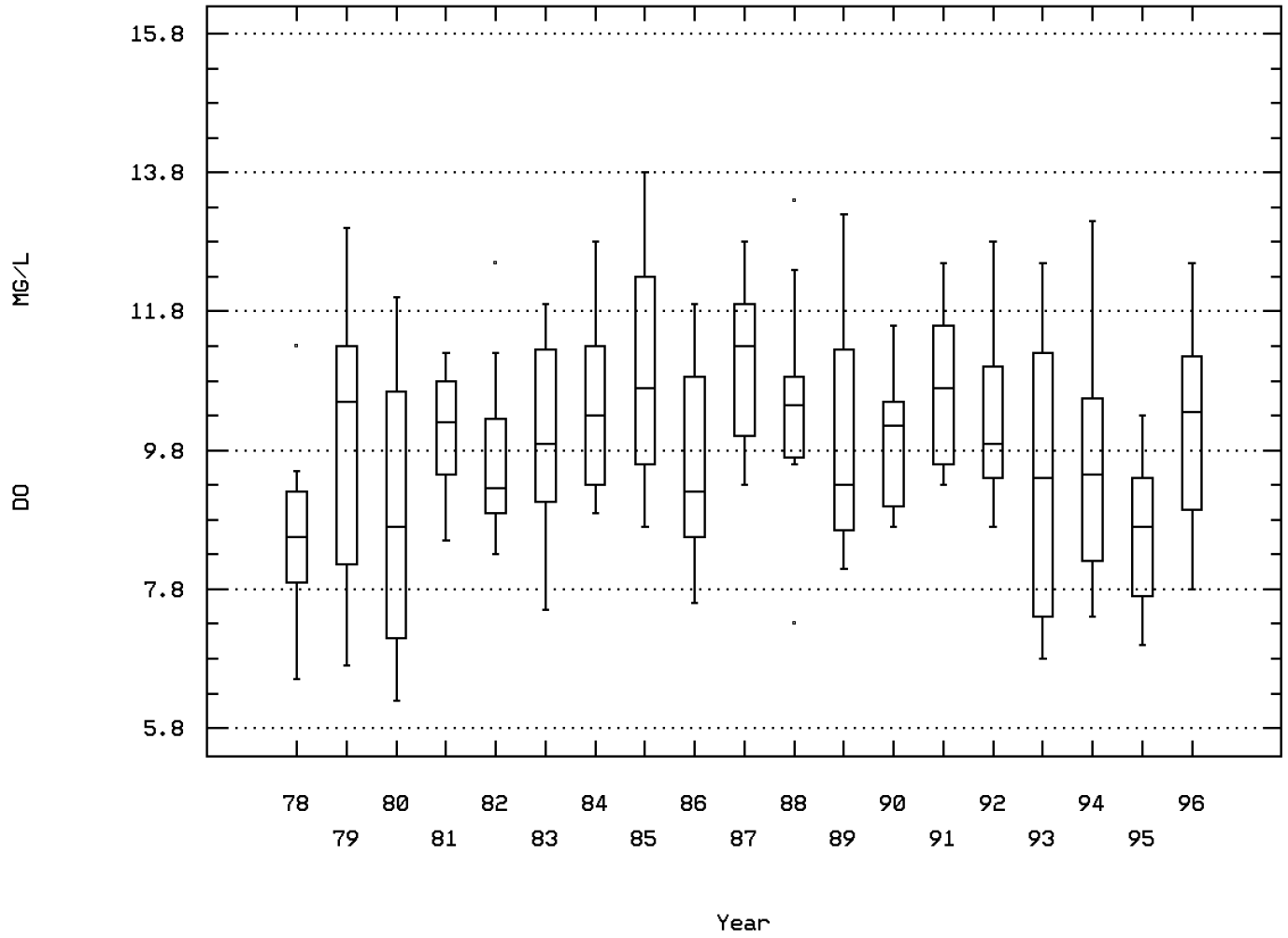
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00300

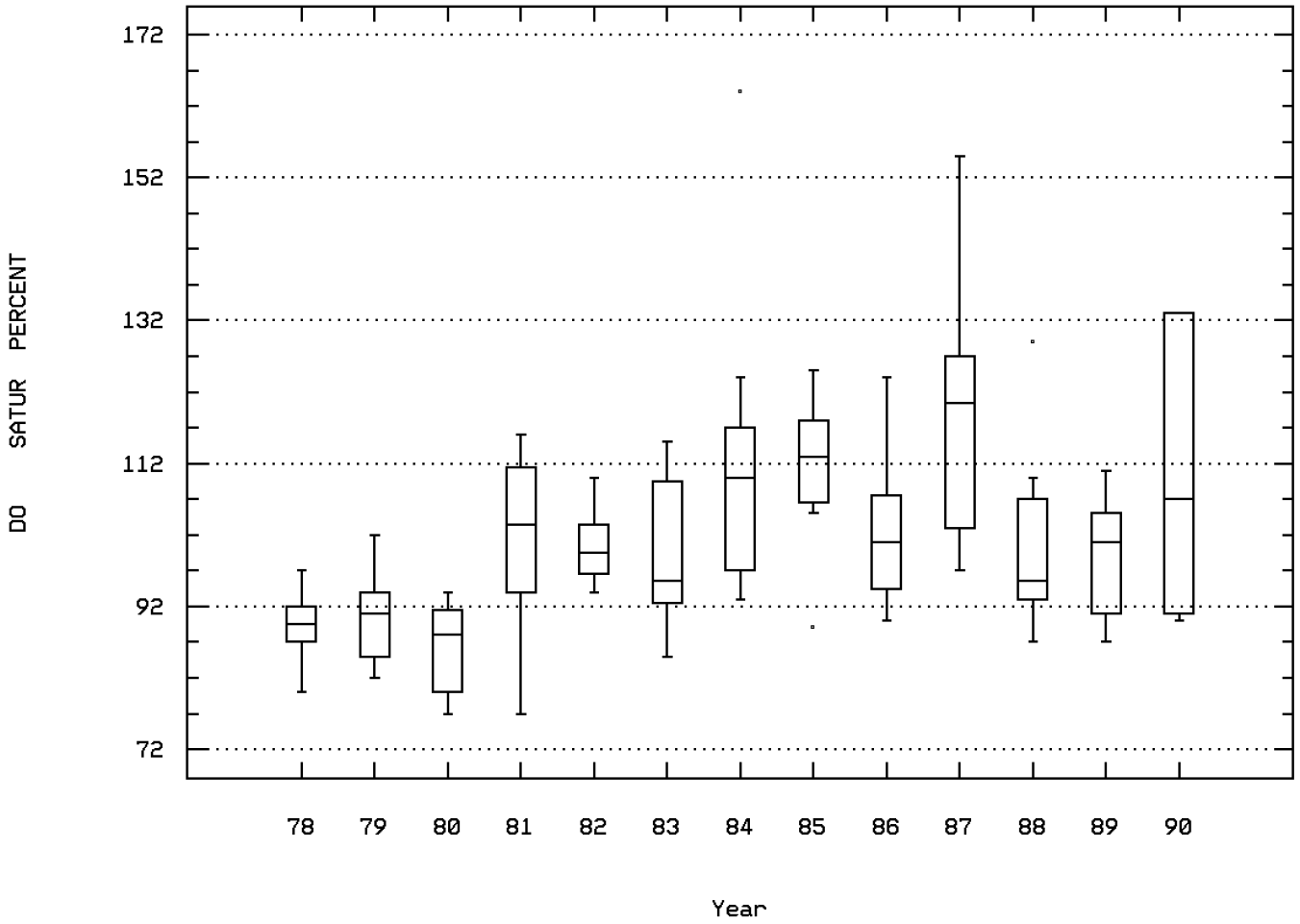
OXYGEN, DISSOLVED



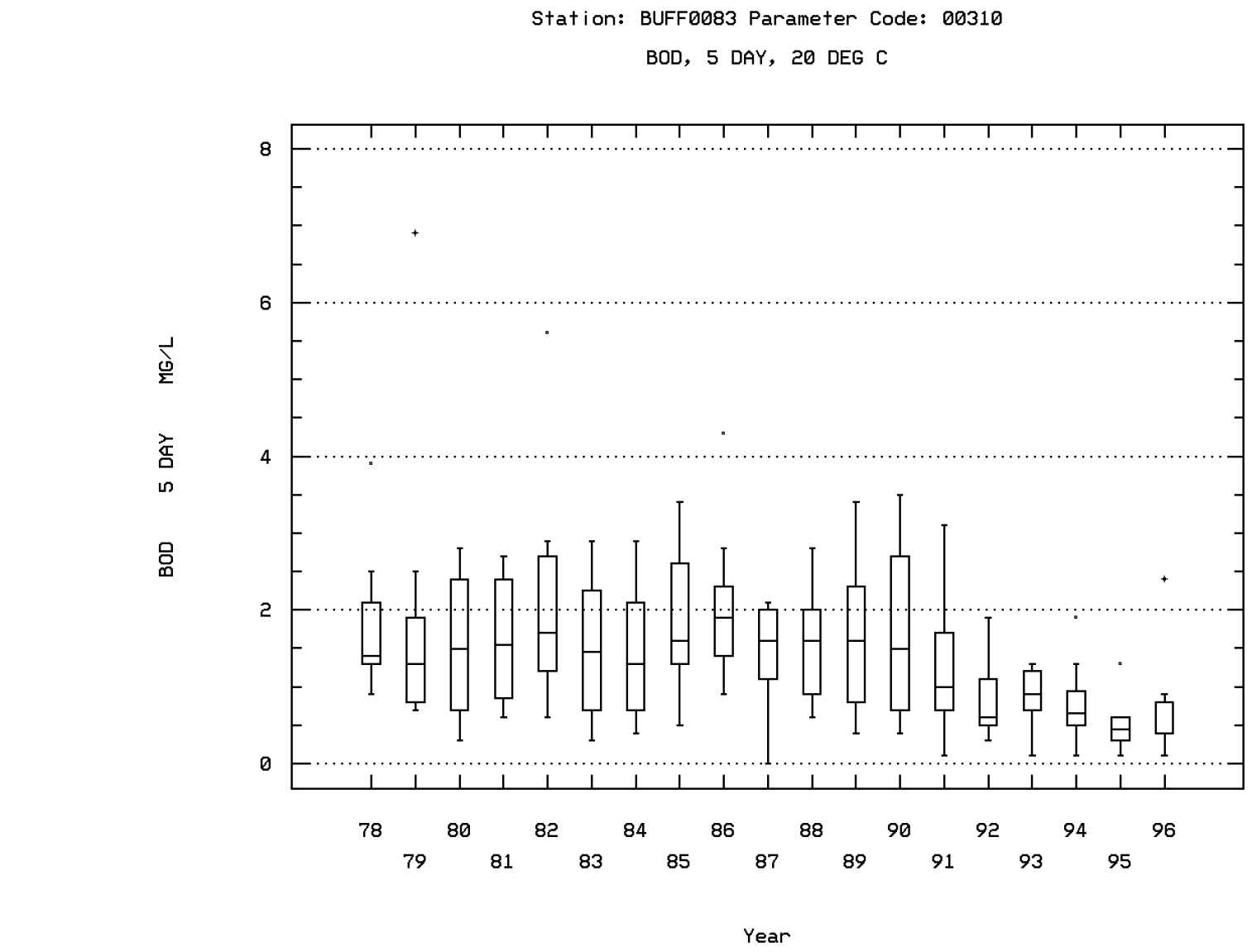
BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00301

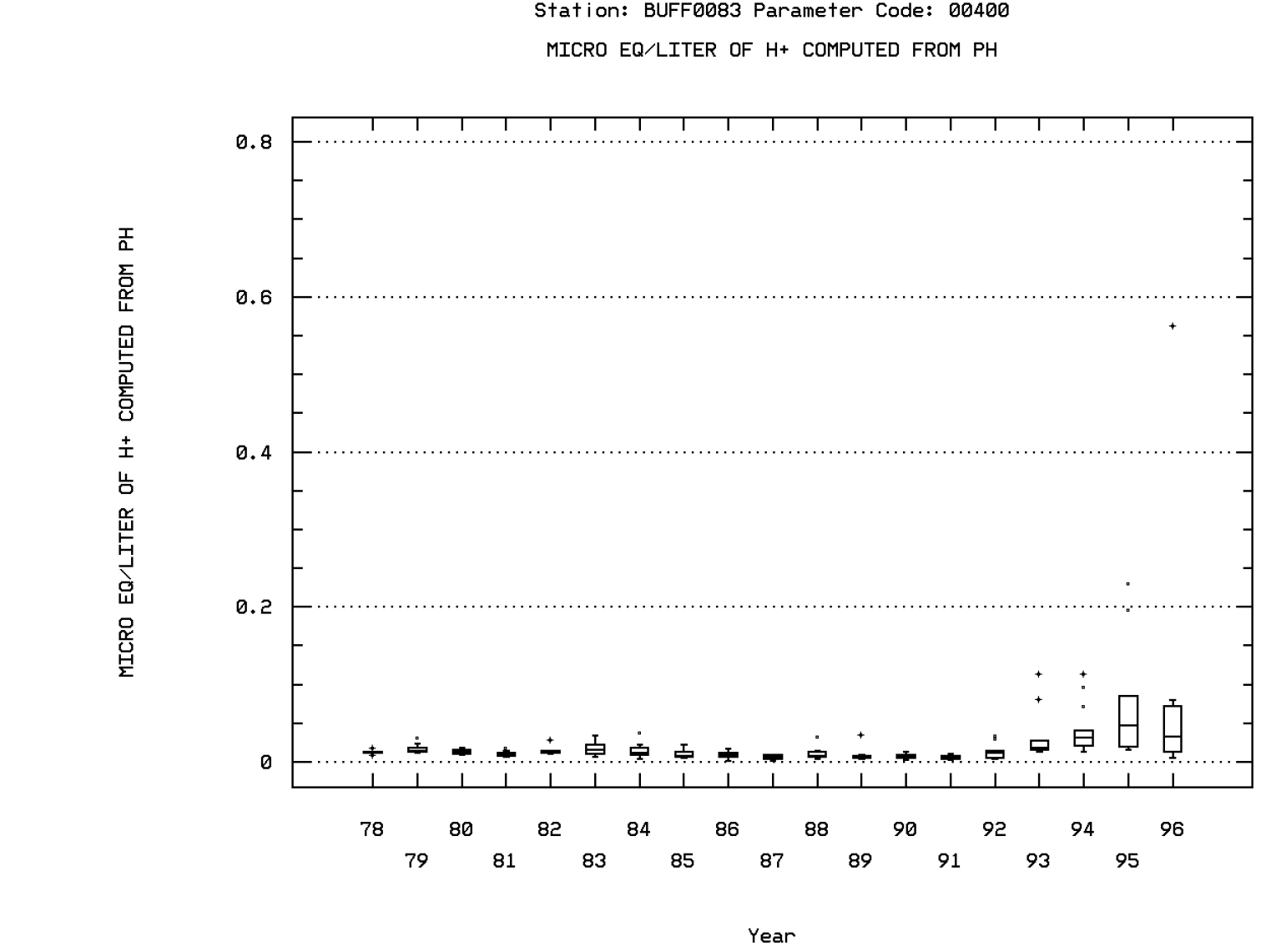
OXYGEN, DISSOLVED, PERCENT OF SATURATIO



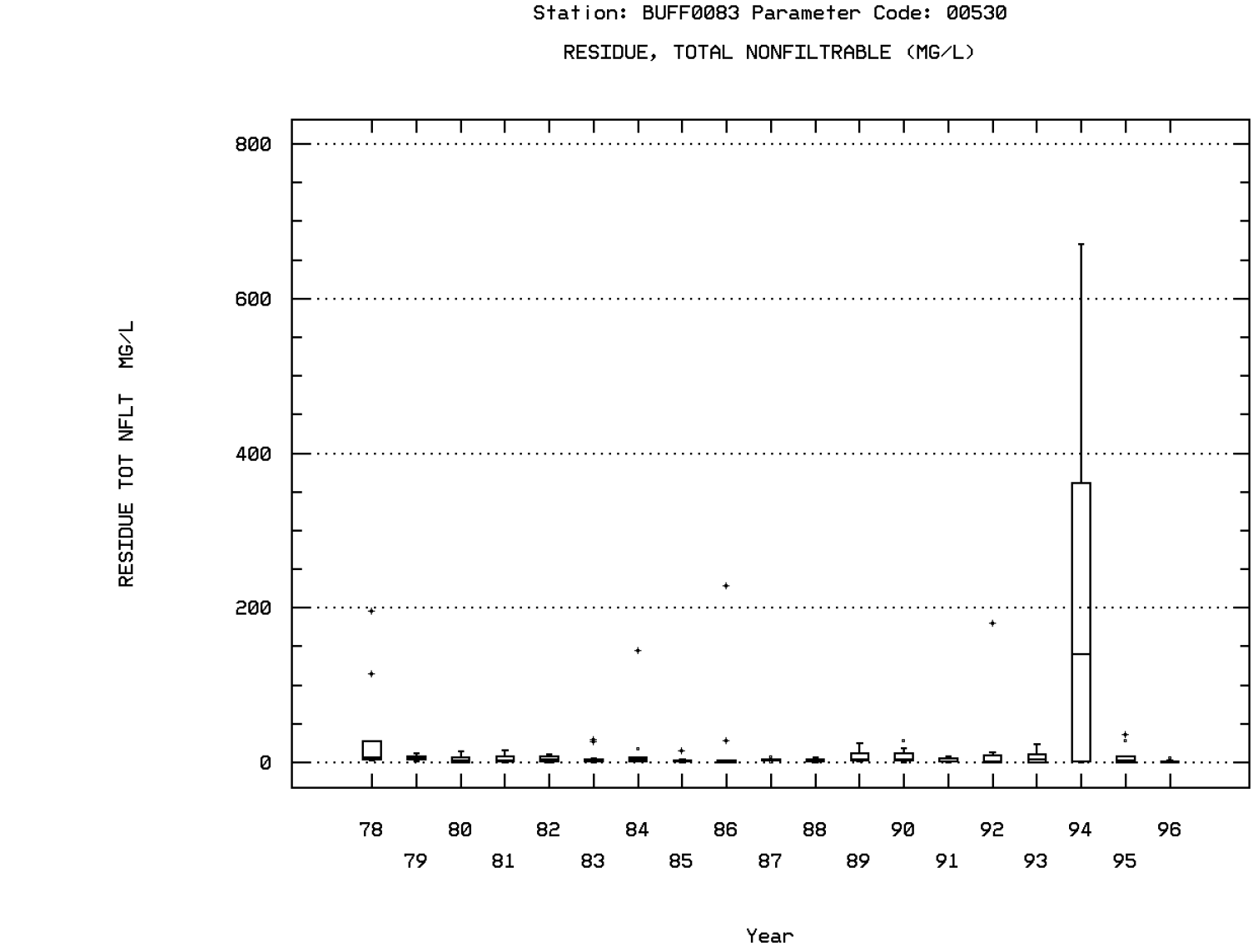
BUFFALO RIVER NR ST. JOE, ARK.



BUFFALO RIVER NR ST. JOE, ARK.



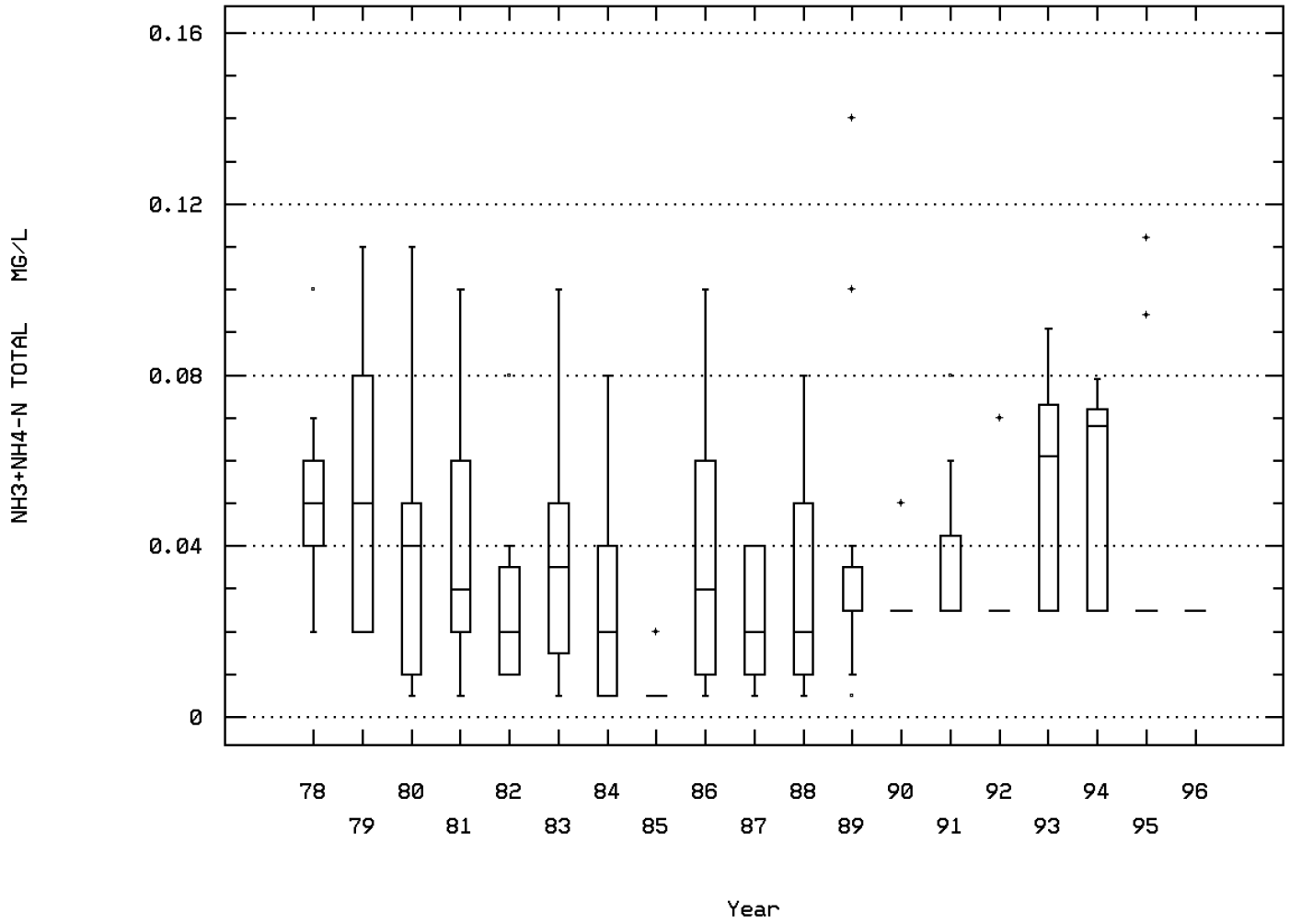
BUFFALO RIVER NR ST. JOE, ARK.



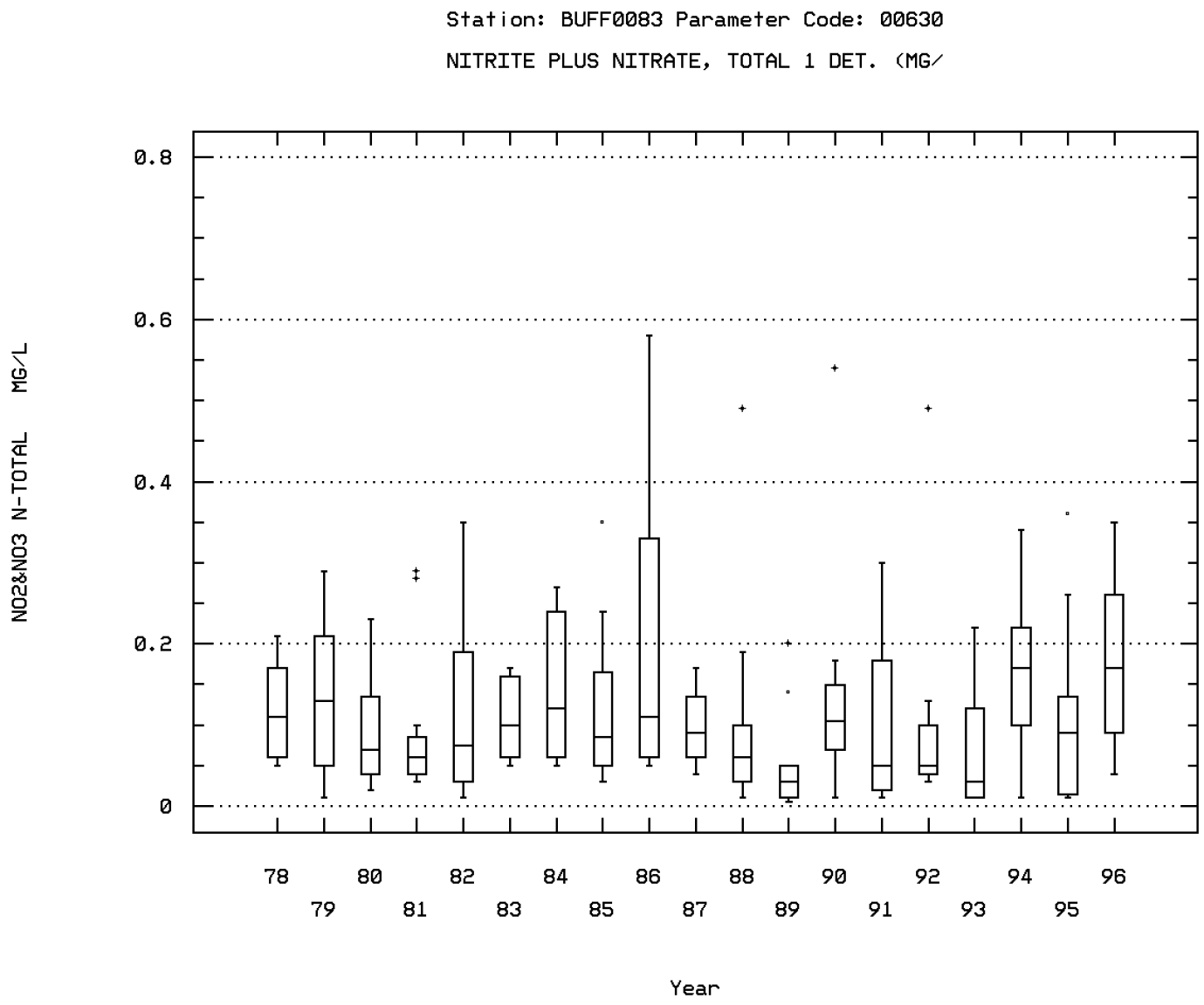
BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00610

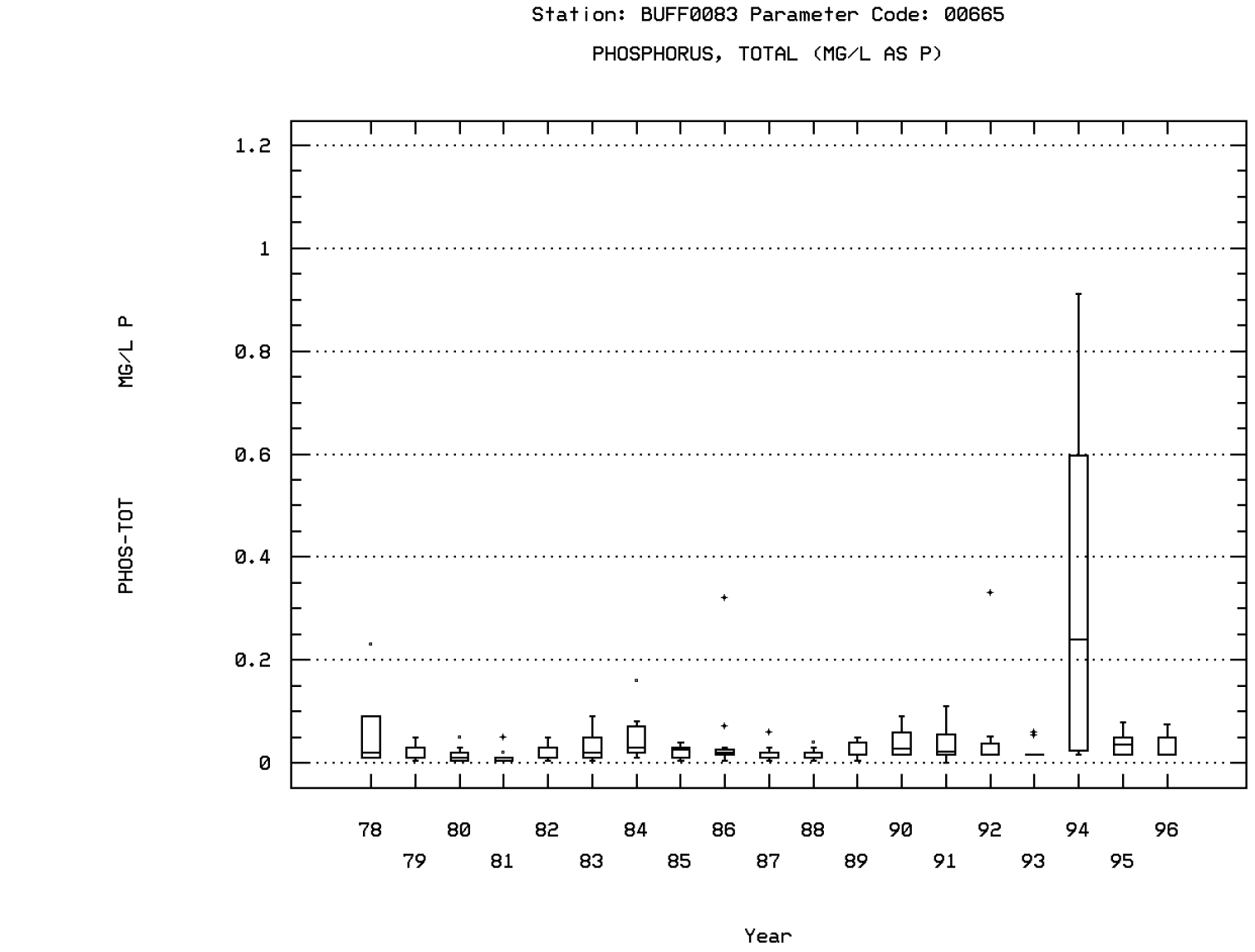
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



BUFFALO RIVER NR ST. JOE, ARK.



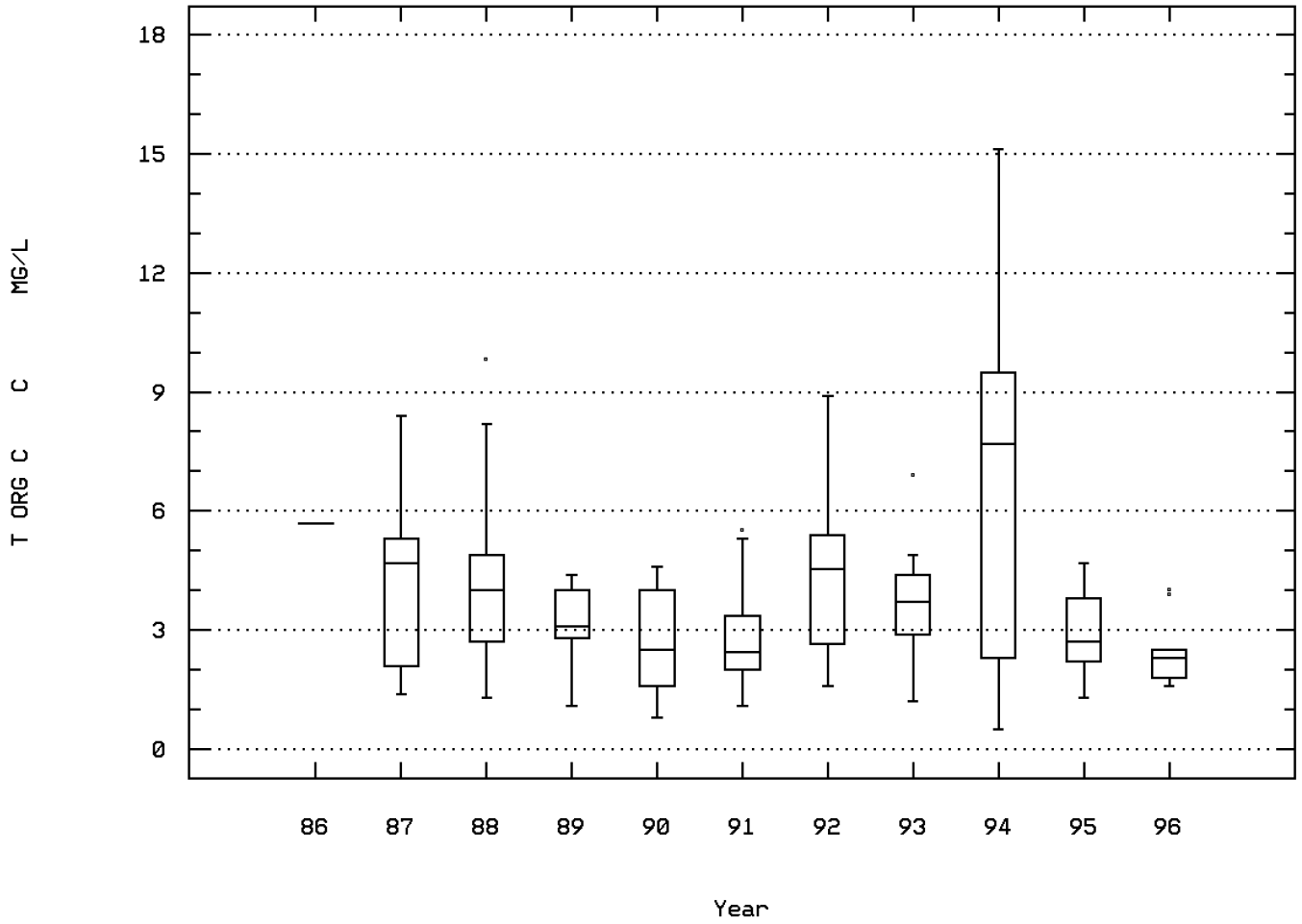
BUFFALO RIVER NR ST. JOE, ARK.



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00680

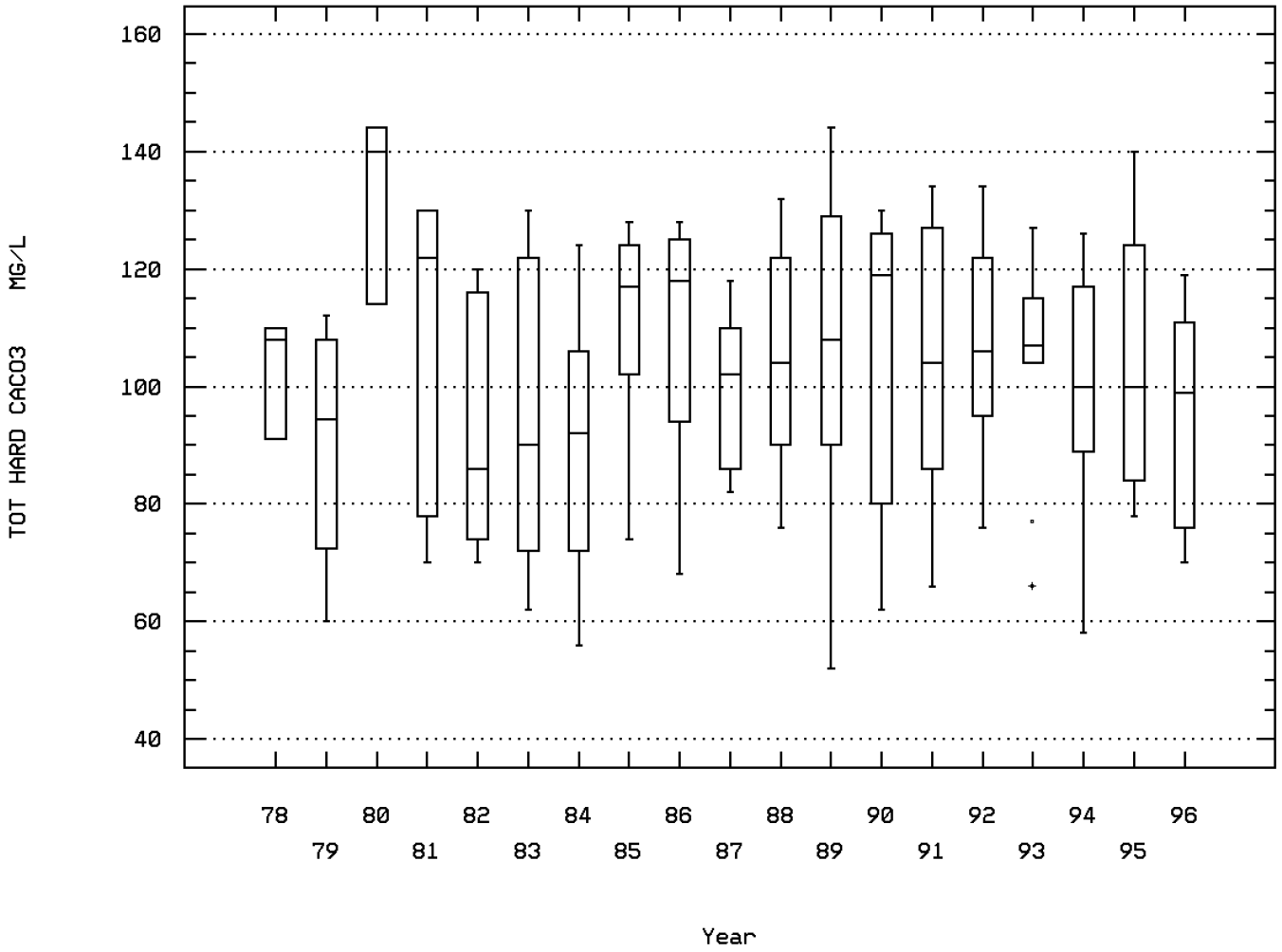
CARBON, TOTAL ORGANIC (MG/L AS C)



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00900

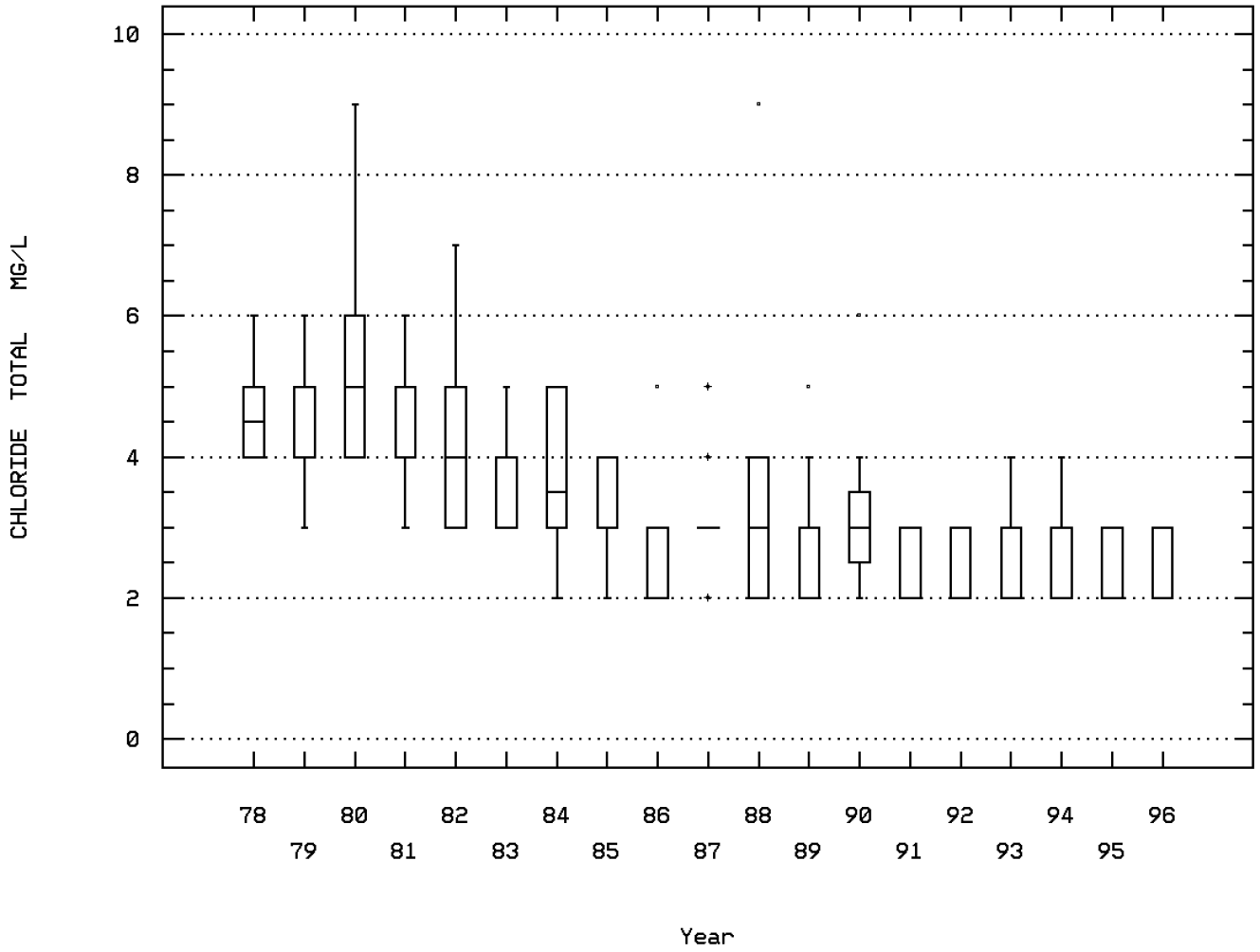
HARDNESS, TOTAL (MG/L AS CACO3)



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00940

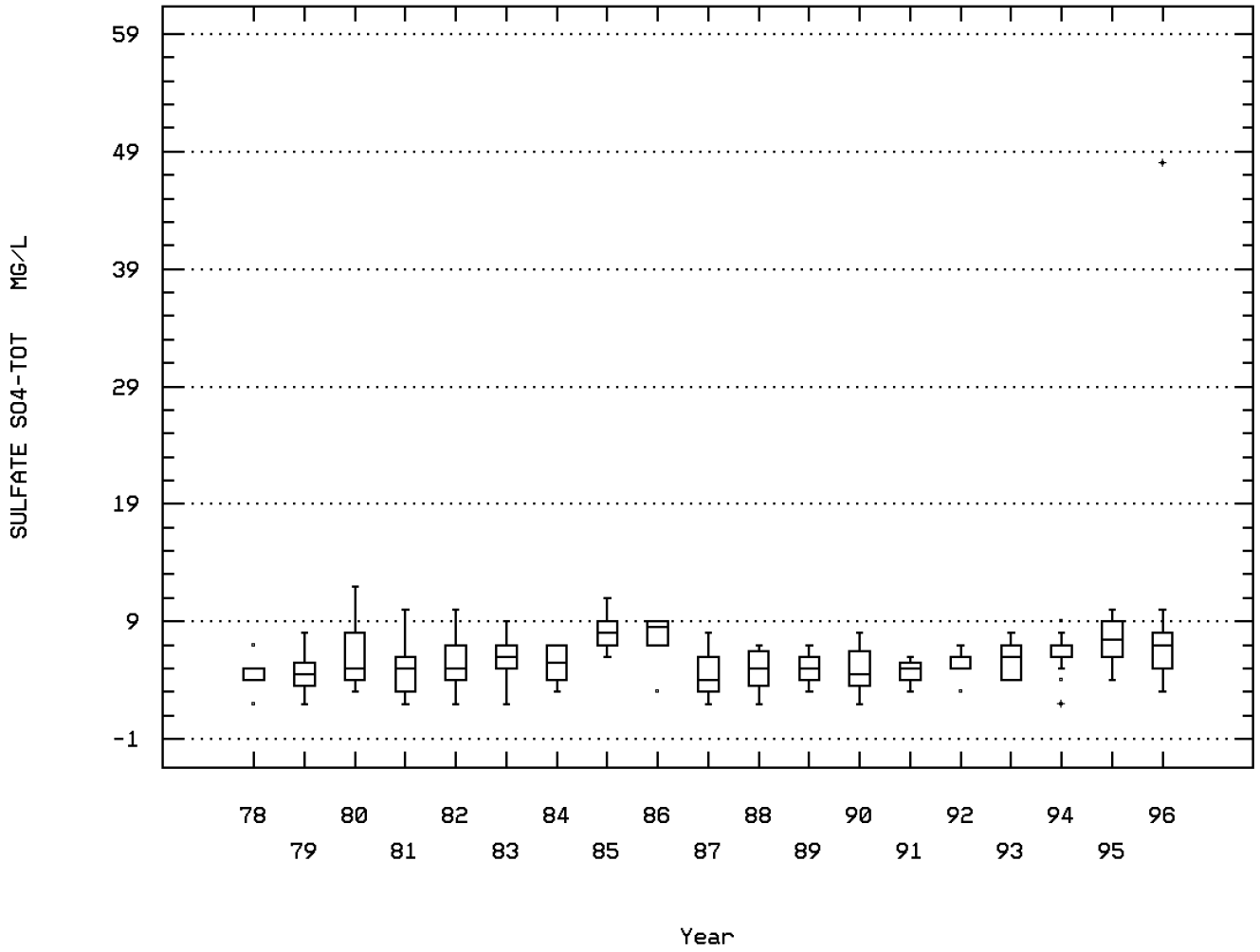
CHLORIDE,TOTAL IN WATER



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 00945

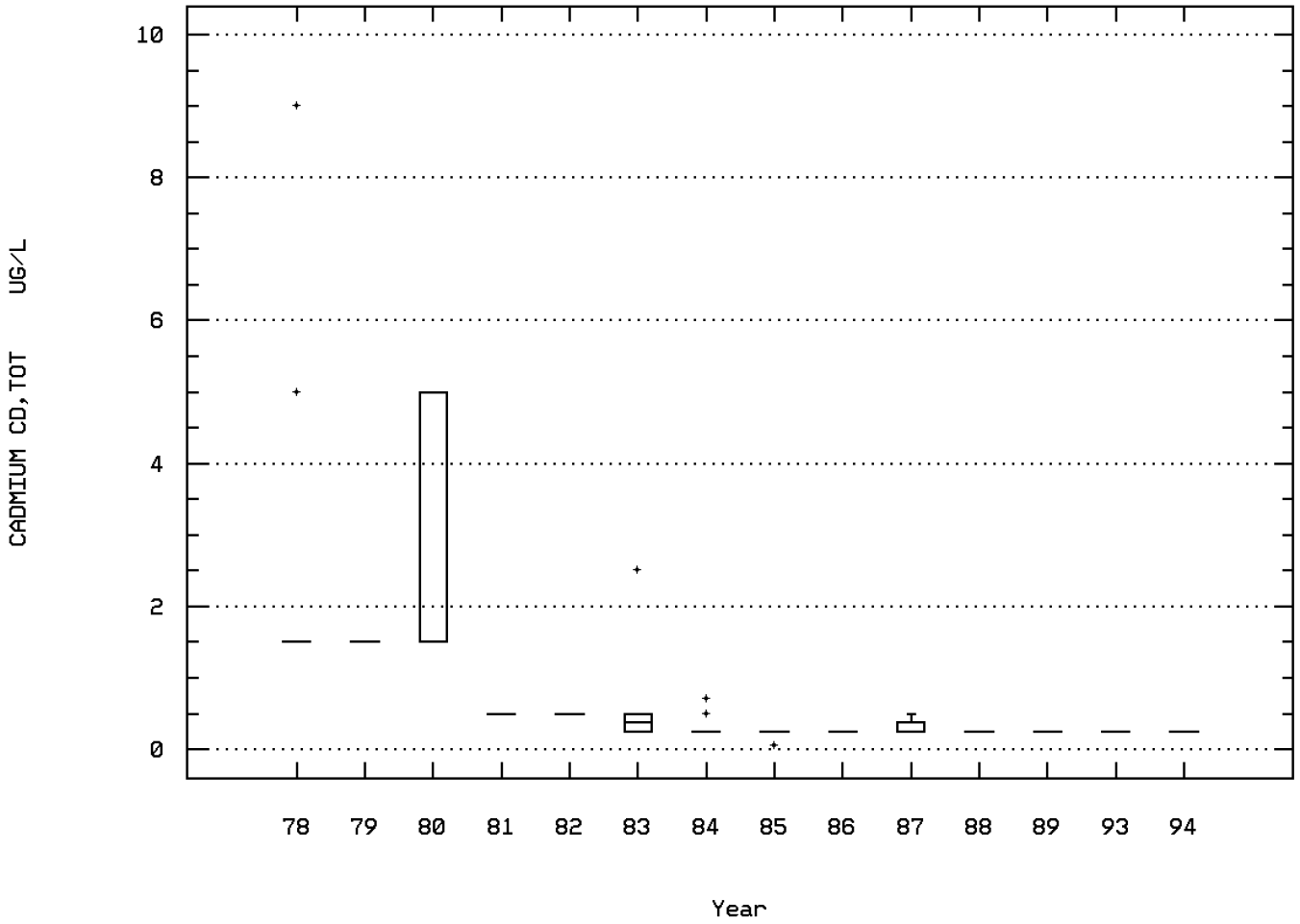
SULFATE, TOTAL (MG/L AS SO4)



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 01027

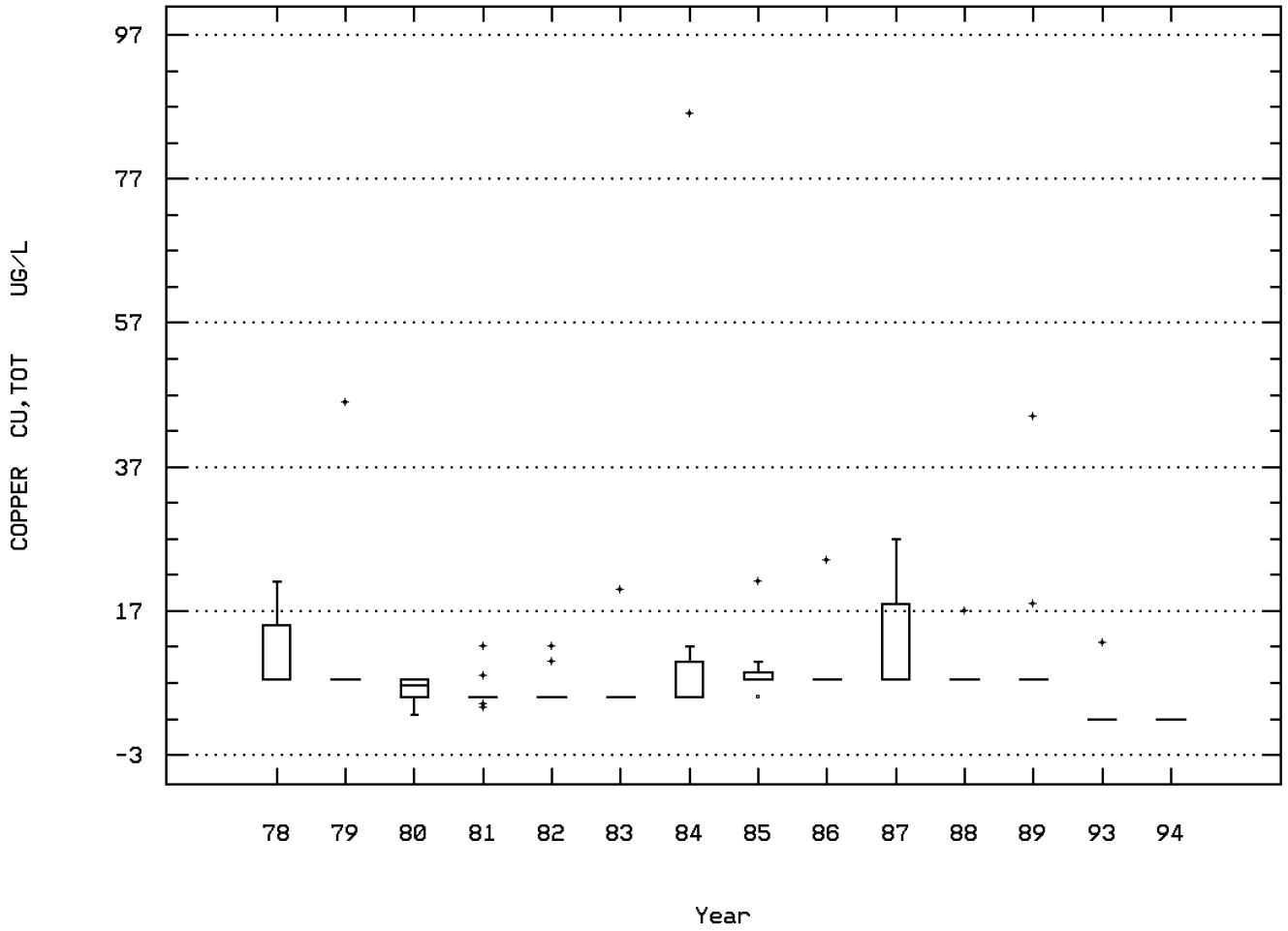
CADMIUM, TOTAL (UG/L AS CD)



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 01042

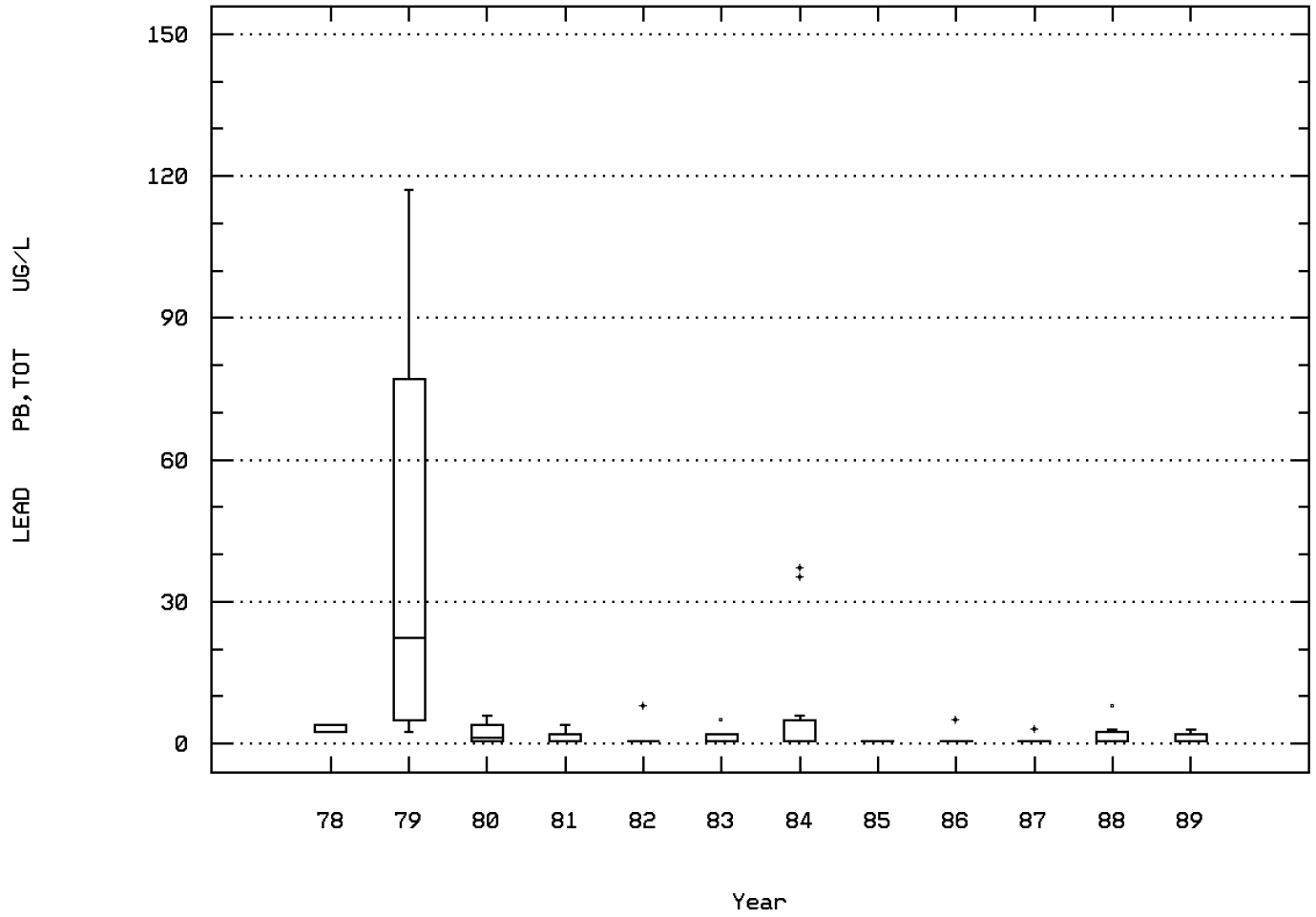
COPPER, TOTAL (UG/L AS CU)



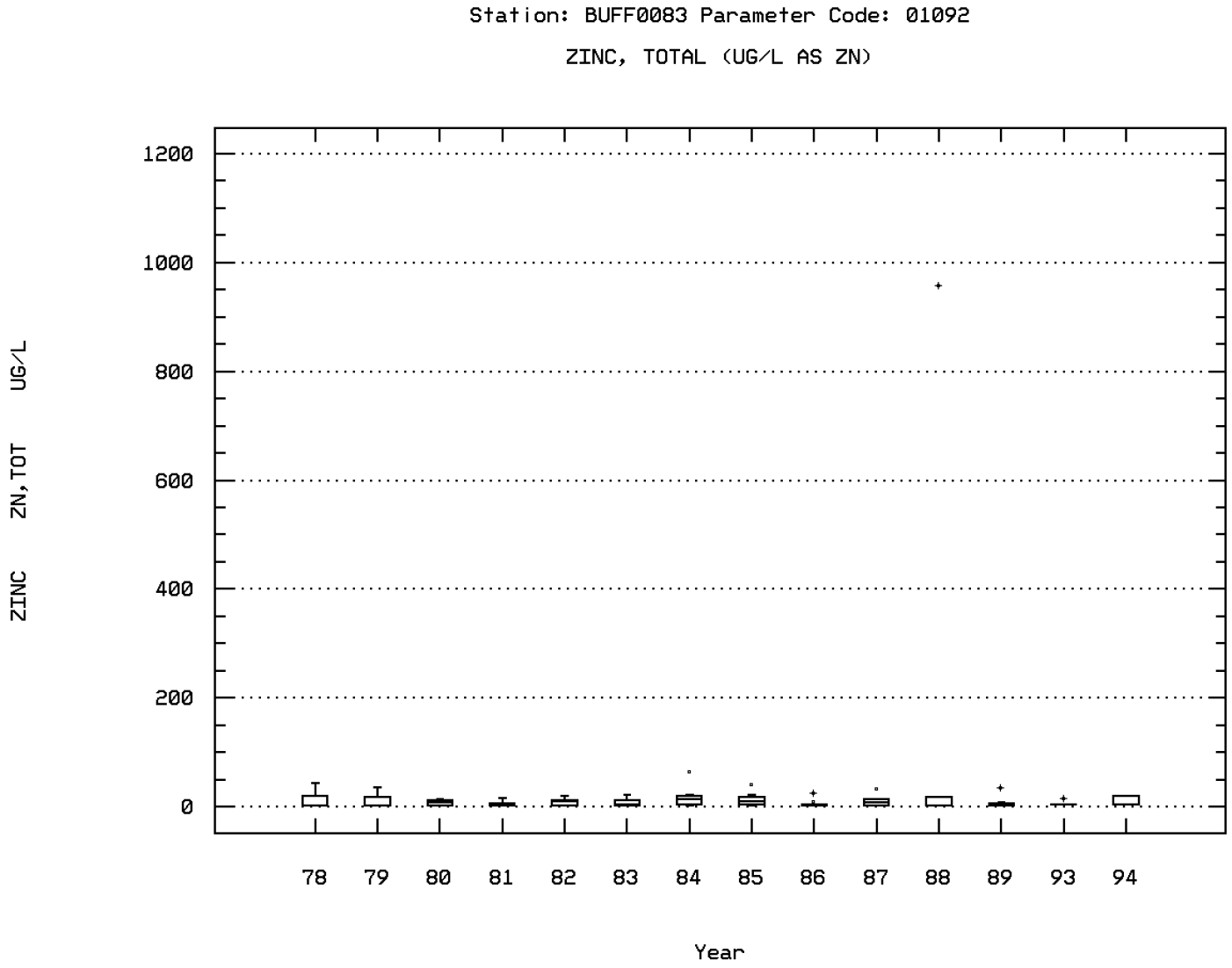
BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 01051

LEAD, TOTAL (UG/L AS PB)



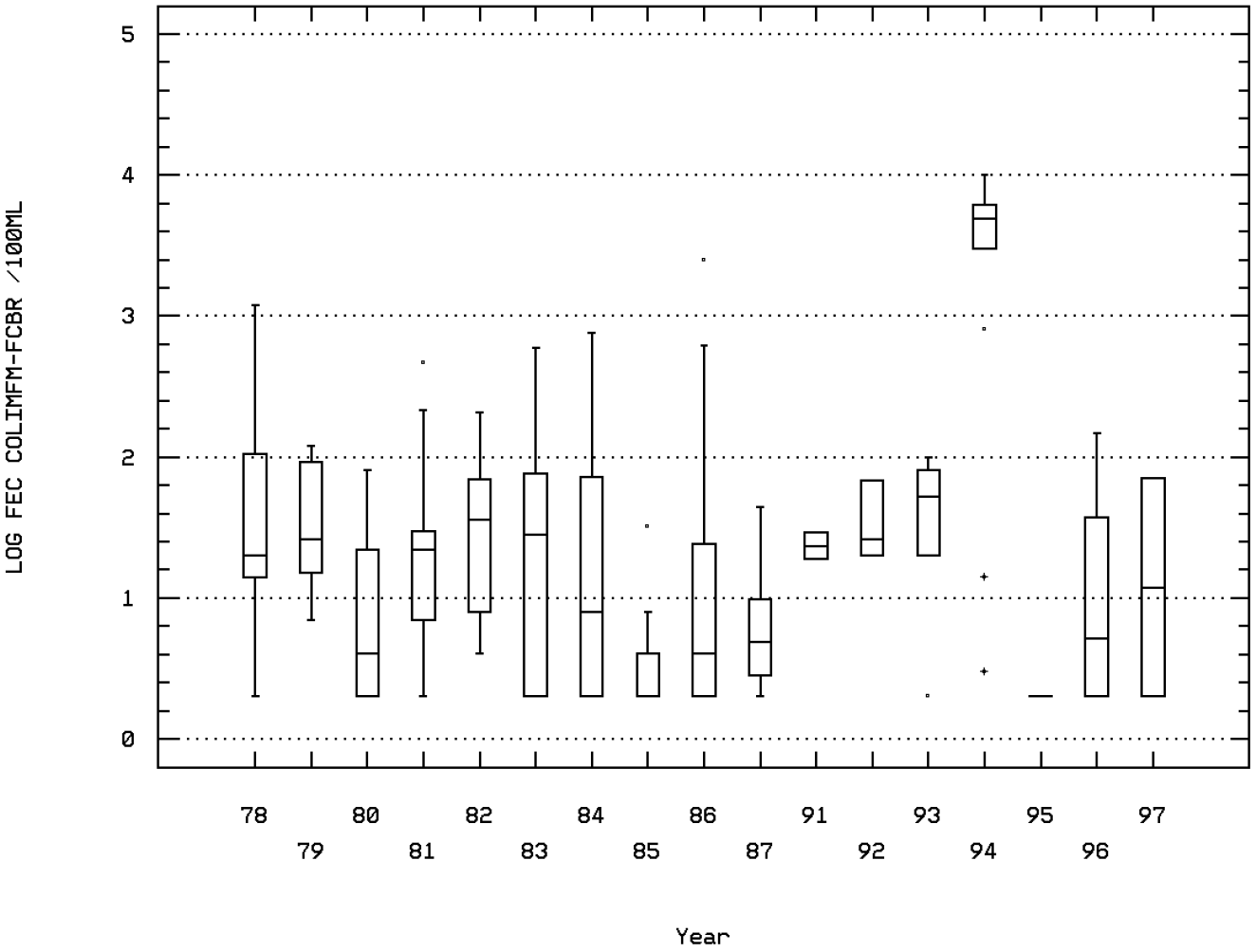
BUFFALO RIVER NR ST. JOE, ARK.



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 31616

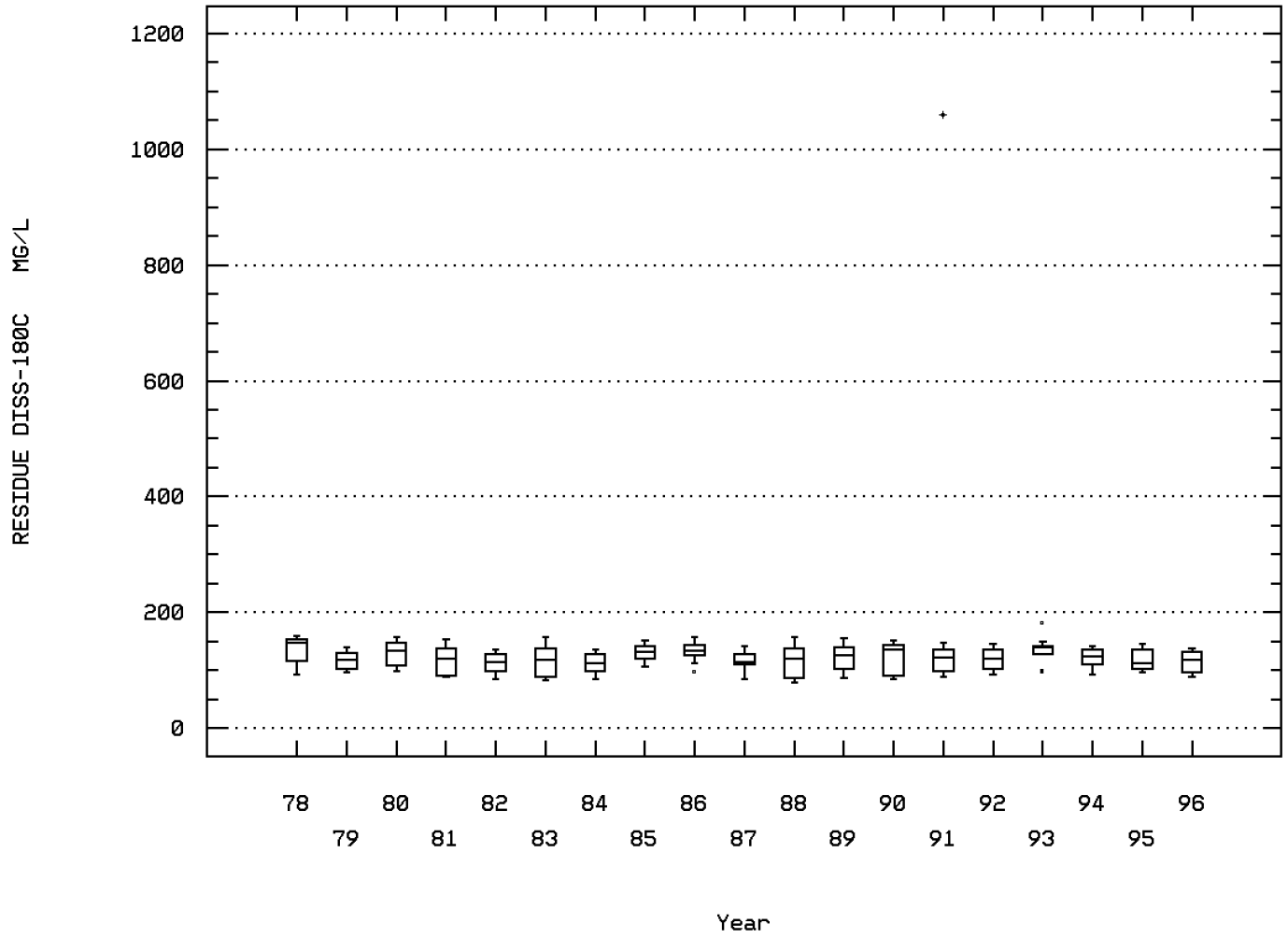
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 70300

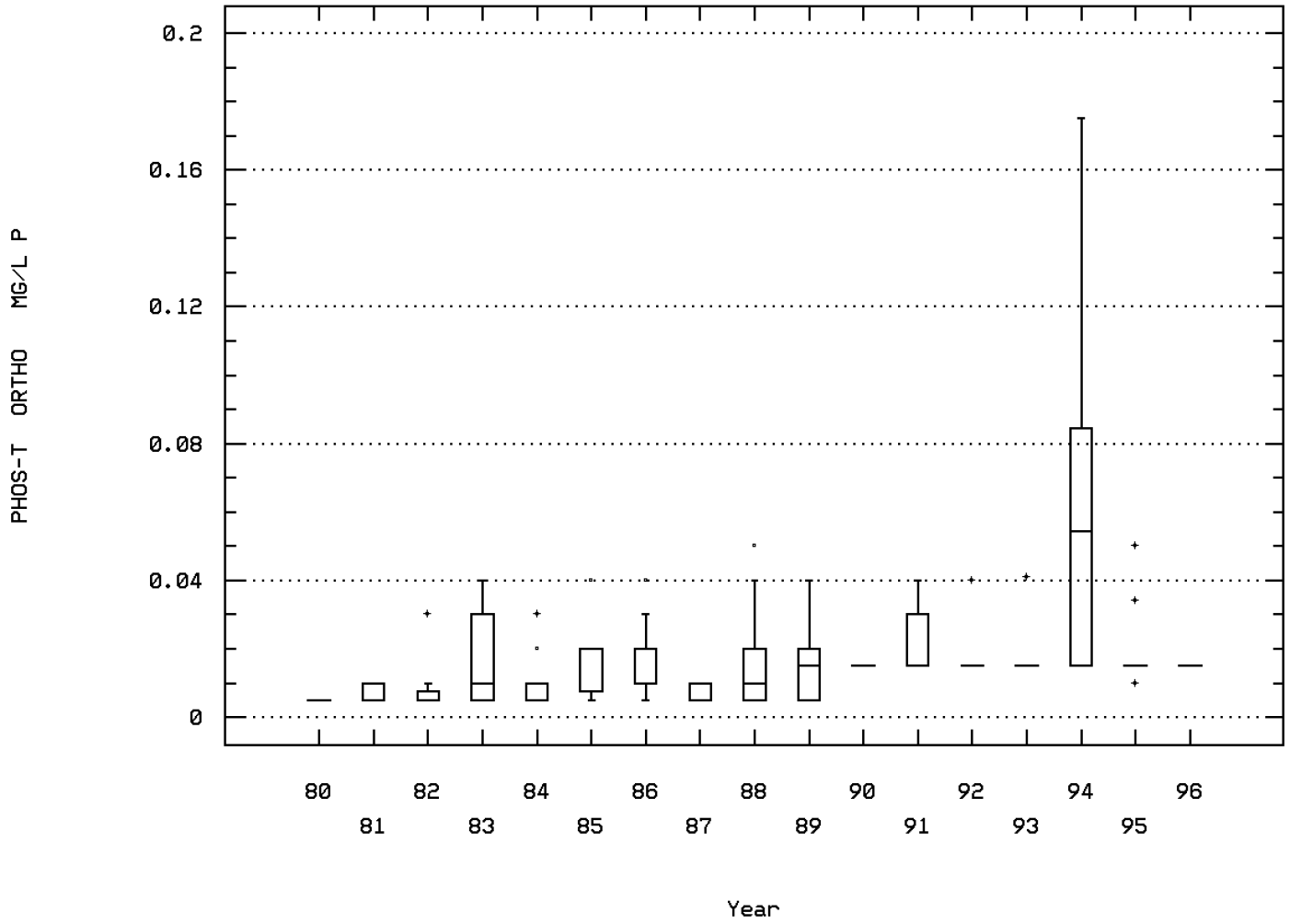
RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 70507

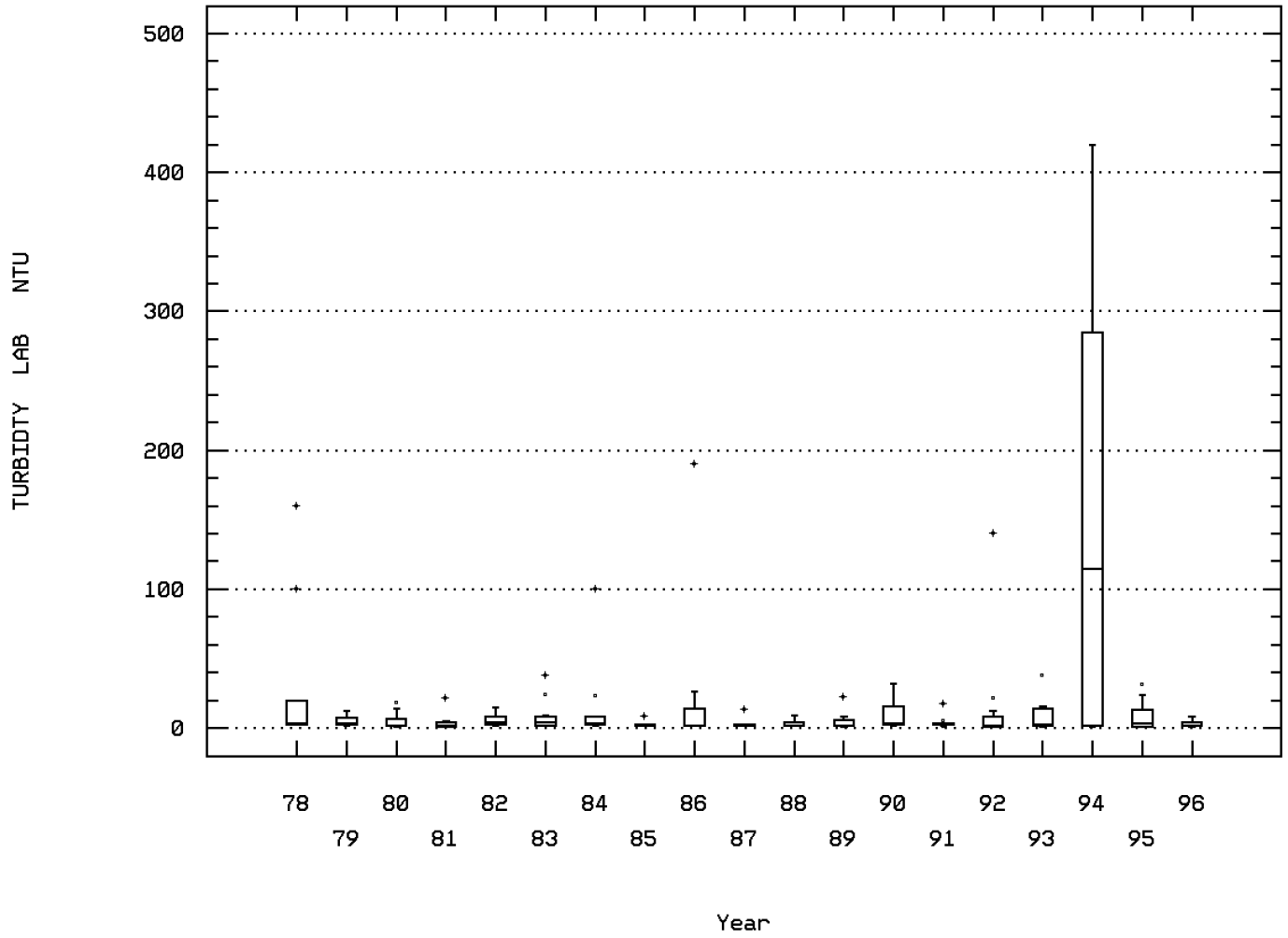
PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



BUFFALO RIVER NR ST. JOE, ARK.

Station: BUFF0083 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



BUFFALO RIVER NR ST. JOE, ARK.

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	114	19.	19.401	31.	4.	51.445	7.172	9.5	14.	26.	29.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	105	22.	20.181	42.	-1.	90.073	9.491	7.	12.5	28.	31.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	115	96.	2001.722	40400.	23.	33694798.413	5804.722	32.	48.	785.	4904.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	65	3.65	5.928	27.17	2.45	29.596	5.44	2.76	3.105	5.63	16.194
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	55	232.	203.109	275.	86.	3327.321	57.683	99.2	160.	245.	260.8
00300	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	98	9.55	9.595	13.2	6.2	2.406	1.551	7.4	8.5	10.7	11.62
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	64	99.5	102.422	164.	77.	305.899	17.49	82.5	90.25	111.75	125.5
00310	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	103	1.3	1.47	6.9	0.1	1.052	1.025	0.4	0.7	1.9	2.66
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	44	4.	3.75	9.	0.5	4.785	2.187	1.	2.	5.	7.
00400	PH (STANDARD UNITS)	03/13/78-10/29/96	102	7.91	7.929	8.84	6.64	0.139	0.373	7.513	7.797	8.17	8.334
00400	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	102	7.91	7.714	8.84	6.64	0.186	0.431	7.513	7.797	8.17	8.334
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	102	0.012	0.019	0.229	0.001	0.001	0.033	0.005	0.007	0.016	0.031
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	117	3.	41.393	670.	0.	15147.758	123.076	0.5	1.	7.5	135.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	107	0.025	0.037	0.112	0.005	0.001	0.025	0.009	0.025	0.05	0.073
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	55	0.2	0.681	3.37	0.	0.959	0.979	0.05	0.05	0.71	2.58
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	108	0.06	0.097	0.49	0.01	0.008	0.092	0.01	0.03	0.148	0.231
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	112	0.015	0.087	0.911	0.005	0.035	0.188	0.01	0.01	0.044	0.39
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	67	3.8	4.634	15.1	1.1	9.449	3.074	1.56	2.4	5.7	9.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	89	120.	113.506	144.	58.	399.23	19.981	77.	106.5	127.5	130.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	117	3.	3.556	9.	1.	1.973	1.405	2.	3.	4.	5.2
00945	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	111	5.	5.432	12.	1.	4.575	2.139	2.2	4.	7.	8.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	30 ##	0.25	0.235	0.25	0.02	0.003	0.056	0.25	0.25	0.25	0.25
01027	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	63 ##	0.25	0.643	5.	0.25	0.572	0.756	0.25	0.25	1.	1.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	28 ##	0.5	0.539	1.	0.5	0.017	0.131	0.5	0.5	0.5	0.64
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/78-03/22/94	55 ##	0.5	1.791	40.	0.5	28.738	5.361	0.5	0.5	1.	3.
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	31 ##	12.5	7.5	12.5	1.	31.483	5.611	1.	1.	12.5	12.5
01042	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	65 ##	7.5	6.623	27.	2.	13.367	3.656	2.3	5.	7.5	7.5
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	32 ##	1.	0.95	1.	0.2	0.039	0.197	1.	1.	1.	1.
01051	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	59 ##	1.	1.78	37.	0.5	23.252	4.822	0.5	0.5	1.	2.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	27 ##	4.	5.037	16.	1.	9.96	3.156	3.	4.	4.	11.2
01092	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	61 ##	4.	7.746	43.	1.5	76.772	8.762	1.5	3.	11.	16.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	72	15.	951.5	10000.	2.	5138446.93	2266.814	2.	4.	75.	5130.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	72	1.175	1.486	4.	0.301	1.328	1.153	0.301	0.602	1.875	3.709
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.59								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	9 ##	0.001	0.001	0.007	0.001	0.	0.002	0.001	0.001	0.001	0.007
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	9 ##	0.001	0.003	0.02	0.001	0.	0.006	0.001	0.001	0.001	0.02
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	9 ##	0.001	0.003	0.026	0.001	0.	0.008	0.001	0.001	0.001	0.026
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	9 ##	0.002	0.002	0.004	0.002	0.	0.001	0.002	0.002	0.003	0.004
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	113	134.	130.212	158.	80.	295.972	17.204	100.	122.5	142.	148.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	98 ##	0.015	0.022	0.098	0.005	0.	0.022	0.005	0.01	0.02	0.056
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	117	2.1	33.012	420.	0.5	7614.174	87.259	1.	1.45	4.9	153.6

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	72	11.	10.833	22.	1.	19.408	4.406	4.3	9.	14.	16.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	71	14.	13.239	26.	-6.	54.699	7.396	3.	9.	19.	23.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	72	992.5	2282.25	25500.	55.	16125558.134	4015.664	254.5	534.	2337.5	4233.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	45	5.62	6.684	21.73	3.29	14.839	3.852	3.79	4.35	7.56	10.092
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	33	172.	174.758	261.	114.	1186.252	34.442	131.2	150.5	199.	217.2
00300	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	68	10.95	10.974	13.8	8.7	1.761	1.327	8.98	10.125	11.9	12.82
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	50	97.	98.68	125.	77.	78.14	8.84	90.1	92.75	103.5	109.9
00310	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	72	0.95	1.207	4.3	0.	0.704	0.839	0.4	0.7	1.5	2.57
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	33	5.	6.336	35.	0.5	58.577	7.654	0.5	1.75	7.	19.6
00400	PH (STANDARD UNITS)	03/13/78-10/29/96	72	7.91	7.841	8.54	6.25	0.132	0.363	7.36	7.668	8.06	8.187

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	72	7.91	7.586	8.54	6.25	0.197	0.444	7.36	7.668	8.06	8.187
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	72	0.012	0.026	0.562	0.003	0.004	0.067	0.007	0.009	0.022	0.044
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	71	3.	14.007	228.	0.5	1681.368	41.004	0.5	1.	6.	17.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	70	0.025	0.035	0.14	0.005	0.001	0.029	0.006	0.02	0.05	0.08
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	34	0.1	0.303	1.1	0.05	0.103	0.32	0.05	0.05	0.525	0.9
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	69	0.12	0.155	0.58	0.005	0.015	0.122	0.03	0.065	0.21	0.29
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	68	0.018	0.039	0.367	0.	0.004	0.064	0.01	0.01	0.04	0.071
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	35	2.5	2.926	8.4	0.8	2.552	1.597	1.36	1.7	4.1	5.04
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	63	89.	88.095	128.	56.	209.152	14.462	68.8	76.	98.	104.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	71	3.	3.155	6.	1.	1.161	1.078	2.	2.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	71	6.	6.958	48.	3.	27.498	5.244	4.	5.	8.	9.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	18 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01027	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	48 ##	0.5	0.864	9.	0.25	2.056	1.434	0.25	0.25	1.	1.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	18 ##	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)	04/10/78-03/22/94	45 ##	0.5	4.833	138.	0.5	418.534	20.458	0.5	0.5	2.25	6.4
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	20 ##	7.5	6.375	12.5	1.	27.26	5.221	1.	1.	12.5	12.5
01042	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	45 ##	7.5	10.933	86.	2.	180.518	13.436	4.4	7.5	10.	20.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	19 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01051	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	41	1.	6.171	117.	0.5	374.37	19.349	0.5	0.5	2.75	7.9
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	19 ##	4.	3.895	11.	1.	5.655	2.378	1.	3.	4.	8.
01092	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	44	5.5	31.227	956.	1.5	20480.563	143.11	1.5	3.	14.75	22.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	49	10.	128.112	2500.	2.	161626.388	402.028	2.	2.	69.	206.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	49	1.	1.195	3.398	0.301	0.706	0.84	0.301	0.301	1.839	2.314
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.673								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	4 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	4 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	4 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	4 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	70	104.5	118.286	1058.	79.	13165.946	114.743	87.1	94.75	113.25	121.9
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	56 ##	0.015	0.02	0.175	0.005	0.001	0.03	0.005	0.01	0.015	0.036
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	71	3.	12.11	190.	0.5	902.146	30.036	1.12	2.	8.	23.8

** - 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: 5/10 to 7/14 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/78-11/19/96	39	24.	23.359	30.	15.	14.552	3.815	18.	21.	27.	28.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/78-11/19/96	39	28.	26.974	37.	16.	25.815	5.081	18.	24.	30.	32.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-09/19/95	39	484.	1119.333	5170.	50.	1631551.754	1277.322	88.	212.	1450.	3400.
00065	STAGE, STREAM (FEET)	03/13/78-11/05/94	19	5.37	5.492	9.6	3.26	3.288	1.813	3.3	3.8	6.76	8.75
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/78-11/05/94	16	189.5	193.688	249.	131.	1358.496	36.858	138.	161.	227.25	244.8
00300	OXYGEN, DISSOLVED MG/L	03/13/78-11/19/96	38	9.	8.882	10.7	6.8	0.886	0.941	7.48	8.1	9.6	9.91
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/78-08/28/90	25	95.	101.72	133.	85.	183.71	13.554	86.6	90.	114.5	120.4
00310	BOD, 5 DAY, 20 DEG C MG/L	03/13/78-11/19/96	38	1.5	1.539	3.9	0.1	0.901	0.949	0.3	0.675	2.125	2.92
00335	COD, .025N K2CR2O7 MG/L	03/13/78-09/09/86	15	5.	6.1	19.	0.5	23.364	4.834	0.8	3.	10.	14.2
00400	PH (STANDARD UNITS)	03/13/78-10/29/96	38	7.97	7.959	8.49	7.07	0.08	0.282	7.508	7.84	8.182	8.255
00400	CONVERTED PH (STANDARD UNITS)	03/13/78-10/29/96	38	7.97	7.85	8.49	7.07	0.092	0.303	7.508	7.84	8.182	8.255
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/78-10/29/96	38	0.011	0.014	0.085	0.003	0.	0.014	0.006	0.007	0.014	0.031
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/78-11/19/96	39	3.	11.077	195.	0.5	973.704	31.204	0.5	1.	7.	25.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/10/78-11/19/96	39	0.025	0.037	0.1	0.005	0.001	0.027	0.005	0.02	0.06	0.08
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/78-11/05/94	15	0.3	0.41	1.1	0.05	0.145	0.38	0.05	0.1	0.6	1.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/78-11/19/96	35	0.09	0.108	0.35	0.01	0.006	0.077	0.04	0.05	0.15	0.224
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/78-11/19/96	38	0.015	0.03	0.11	0.005	0.001	0.027	0.01	0.01	0.05	0.077
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/07/86-11/19/96	21	3.7	3.652	6.9	0.5	2.39	1.546	2.02	2.3	4.5	6.24
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/78-11/19/96	35	105.	100.886	134.	52.	380.692	19.511	66.8	90.	114.	122.8
00940	CHLORIDE,TOTAL IN WATER MG/L	03/13/78-11/19/96	38	3.	3.026	5.	2.	0.945	0.972	2.	2.	4.	4.1

** - 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: 5/10 to 7/14 - Station BUFF0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	03/13/78-11/19/96	38	4.5	4.711	10.	1.	3.833	1.958	2.	3.	6.	7.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/23/90-11/19/96	12 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
01027	CADMIUM, TOTAL (UG/L AS CD)	03/13/78-03/22/94	20 ##	0.25	0.528	1.5	0.05	0.234	0.483	0.25	0.25	0.875	1.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/23/90-11/19/96	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)	04/10/78-03/22/94	19 ##	0.5	1.421	7.	0.5	3.535	1.88	0.5	0.5	1.	6.
01040	COPPER, DISSOLVED (UG/L AS CU)	01/23/90-11/19/96	12 ##	7.25	6.917	12.5	1.	34.129	5.842	1.	1.	12.5	12.5
01042	COPPER, TOTAL (UG/L AS CU)	03/13/78-03/22/94	22 ##	7.5	10.136	44.	2.	93.552	9.672	2.6	5.	10.125	23.1
01049	LEAD, DISSOLVED (UG/L AS PB)	01/23/90-11/19/96	13 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01051	LEAD, TOTAL (UG/L AS PB)	04/10/78-03/22/94	23	1.	1.457	6.	0.5	1.93	1.389	0.5	0.5	2.	3.6
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/23/90-11/19/96	10	7.	7.2	13.	3.	12.178	3.49	3.1	4.	10.25	12.8
01092	ZINC, TOTAL (UG/L AS ZN)	03/13/78-03/22/94	21 ##	3.	7.333	34.	1.5	76.208	8.73	1.5	1.5	11.	20.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	22	30.	94.636	620.	2.	30393.1	174.336	2.6	5.5	86.5	484.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/78-04/07/97	22	1.476	1.437	2.792	0.301	0.524	0.724	0.391	0.734	1.934	2.644
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			27.336								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	11/27/78-07/25/95	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/78-11/19/96	37	124.	120.676	180.	85.	457.67	21.393	93.	103.5	132.	151.6
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/14/80-11/19/96	33 ##	0.015	0.016	0.05	0.005	0.	0.013	0.005	0.005	0.015	0.04
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/13/78-11/19/96	38	3.05	11.547	160.	0.9	710.69	26.659	1.09	1.9	9.625	27.2

** - 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: BUFF0084

NPS Station ID: BUFF0084
LAT/LON: 35.986948/ -92.745837
Agency: 21ARAPCC
Date Created: 08/12/77
Location: BUFFALO RIVER AB GILBERT HWY 65
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 060307 /4J141
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SC LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005005
RF1 Mile Point: 4.240
Distance from RF1: 3.10
On/Off RF1: ON
RF3 Index: 11010005002806.23
RF3 Mile Point: 6.23
Distance from RF3: 0.02
On/Off RF3:
Description:
A BASIN SURVEY STATION INITIATED IN THE SUMMERS OF 1970-1971 AS PART OF A STUDY OF THE WATER QUALITY AND SOURCES OF POLLUTION IN THE ARKANSAS PORTION OF THE WHITE RIVER BASIN THIS STATION IS LOCATED ON THE BUFFALO RIVER ABOVE GILBERT ON HIGHWAY 6
THIS STATION WAS ORIGINALLY DESIGNATED AS 120U SECTION 36 TOWNSHIP 16 NORTH RANGE 17 WEST IN SEARCY COUNTY ARKANSAS

Parameter Inventory for Station: BUFF0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/71-07/22/71	4	26.	26.625	29.	25.5	2.563	1.601	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/19/71-07/22/71	4	27.25	28.875	34.	27.	11.729	3.425	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/19/71-07/22/71	4 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/19/71-07/22/71	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-07/22/71	4	196.	191.75	202.	173.	164.25	12.816	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/71-07/22/71	4	9.1	9.025	9.3	8.6	0.116	0.34	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/19/71-07/22/71	4	1.8	1.85	3.3	0.5	1.337	1.156	**	**	**	**
00400	PH (STANDARD UNITS)	07/19/71-07/22/71	4	7.45	7.45	8.2	6.7	0.457	0.676	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/19/71-07/22/71	4	7.322	7.123	8.2	6.7	0.599	0.774	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/71-07/22/71	4	0.048	0.075	0.2	0.006	0.008	0.089	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/71-07/22/71	4	131.	128.	132.	118.	44.667	6.683	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/19/71-07/22/71	4	202.5	202.25	234.	170.	1224.25	34.989	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/19/71-07/22/71	4	195.	195.	231.	159.	1424.667	37.745	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/19/71-07/22/71	4	7.5	7.25	11.	3.	10.917	3.304	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/22/71	4	0.07	0.075	0.16	0.	0.004	0.066	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/19/71-07/22/71	4	0.01	0.013	0.03	0.	0.	0.015	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/22/71	4	124.	123.5	127.	119.	17.	4.123	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/22/71	4	101.	100.5	104.	96.	17.	4.123	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/71-07/22/71	4	40.4	40.2	41.6	38.4	2.72	1.649	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/71-07/22/71	4	5.6	5.6	7.1	4.1	1.5	1.225	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/71-07/22/71	4	2.	3.75	9.	2.	12.25	3.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/19/71-07/22/71	4	4.	4.	5.	3.	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 time series plot

EPA Water Quality Criteria Analysis for Station: BUFF0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	4	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	4	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	4	0	0.00									

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

Station Inventory for Station: BUFF0085

NPS Station ID: BUFF0085 LAT/LON: 35.980837/ -92.752227 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER AT CONFLUENCE AT BUCK POINT FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF129
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005005 RF1 Mile Point: 4.830 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005011800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.33 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER AT CONFLUENCE AT BUCK POINT, ARKANSAS

Parameter Inventory for Station: BUFF0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1803.	1803.	1803.	1803.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	157.	157.	157.	157.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.67	0.67	0.67	0.67	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	216.	216.	216.	216.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	11500.	11500.	11500.	11500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0086

NPS Station ID: BUFF0086
LAT/LON: 35.990281/ -92.766670
Agency: 1116APCC
Date Created: 02/03/90
Location: MILL CREEK - TRIBUTARY OF BUFFALO RIVER
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS020 /BUFT11 /4J00032
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 183
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 3.90
On/Off RF1:
RF3 Index: 11010005002500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
POINT LOCATION: AT THE STREAM'S MOUTH - ACCESS AT THE OLD TYLER BEND RIVER ACCESS -- ACCESS LIMITED DURING HIGH WATER (RIVER CROSSING REQUIRED)

Parameter Inventory for Station: BUFF0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	76	17.8	16.857	25.	4.5	16.028	4.004	10.85	14.925	19.5	21.65
00060	FLOW, STREAM, MEAN DAILY CFS	11/08/90-10/30/95	22	7.	17.364	137.	2.	973.195	31.196	2.	3.	13.	62.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-10/21/96	10	8.	21.52	137.	0.2	1700.882	41.242	0.38	3.5	16.25	125.9
00065	STAGE, STREAM (FEET)	04/22/85-11/02/92	33	0.44	0.372	3.8	-1.65	0.682	0.826	0.288	0.36	0.6	0.782
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/21/96	49	0.7	1.622	18.	0.2	9.932	3.152	0.3	0.45	1.25	2.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	75	332.	324.493	407.	104.	1760.443	41.958	264.8	315.	349.	360.4
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	58	9.8	9.888	16.7	7.1	2.11	1.452	8.09	8.975	10.625	11.4
00400	PH (STANDARD UNITS)	06/22/87-10/21/96	61	8.12	8.073	8.91	7.24	0.069	0.263	7.694	8.	8.21	8.326
00400	CONVERTED PH (STANDARD UNITS)	06/22/87-10/21/96	61	8.12	7.98	8.91	7.24	0.078	0.279	7.694	8.	8.21	8.326
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/87-10/21/96	61	0.008	0.01	0.058	0.001	0.	0.009	0.005	0.006	0.01	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/10/93-12/13/93	4	174.	167.75	194.	129.	756.25	27.5	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	31 ##	0.025	0.039	0.112	0.01	0.001	0.028	0.021	0.025	0.05	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-09/25/89	5	0.1	0.18	0.4	0.1	0.017	0.13	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	31	0.29	0.284	0.52	0.07	0.01	0.102	0.14	0.21	0.35	0.408
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-11/02/92	10 ##	0.013	0.012	0.037	0.001	0.	0.01	0.001	0.004	0.015	0.035
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/30/95-10/30/95	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/93-09/19/94	7	184.	178.286	201.	129.	595.905	24.411	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/06/92-10/21/96	26	4.	3.577	5.	2.	0.494	0.703	3.	3.	4.	4.3
00945	SULFATE, TOTAL (MG/L AS SO4)	01/06/92-10/21/96	26	7.	7.154	14.	4.	5.335	2.31	4.7	5.	8.	9.9
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/13/85-07/14/87	6	120.	117.	200.	0.	4910.	70.071	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/13/85-07/14/87	6	2.078	1.774	2.301	0.	0.771	0.878	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			59.478								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	75	10.	65.787	760.	0.	25302.548	159.068	1.6	4.	26.	189.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	75	1.	1.081	2.881	0.	0.564	0.751	0.181	0.602	1.415	2.276
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.037								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/13/85-05/13/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/13/85-05/13/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/06/92-10/21/96	24 ##	0.015	0.021	0.074	0.01	0.	0.015	0.015	0.015	0.015	0.046
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/10/94-10/30/95	12	0.45	1.333	8.2	0.3	5.004	2.237	0.3	0.325	1.075	6.43

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

EPA Water Quality Criteria Analysis for Station: BUFF0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	49	0	0.00	28	0	0.00	9	0	0.00	12	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	58	0	0.00	31	0	0.00	13	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	61	0	0.00	32	0	0.00	12	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	61	0	0.00	32	0	0.00	12	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	31	0	0.00	15	0	0.00	7	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	26	0	0.00	12	0	0.00	7	0	0.00	7	0	0.00			
		Drinking Water	250.	26	0	0.00	12	0	0.00	7	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	12	0	0.00	7	0	0.00	7	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00	4	0	0.00				2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	75	7	0.09	39	3	0.08	14	3	0.21	22	1	0.05			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	40	17.8	17.003	23.5	8.1	12.953	3.599	11.02	14.825	19.5	20.59
00065	STAGE, STREAM (FEET)	04/22/85-11/02/92	20	0.38	0.362	3.8	-1.65	0.985	0.992	0.277	0.353	0.49	-0.781
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/21/96	28	0.65	1.15	7.9	0.2	2.482	1.575	0.29	0.425	1.15	2.61
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	40	333.5	325.55	407.	104.	2334.715	48.319	260.6	316.25	354.25	360.9
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	31	9.7	9.642	12.1	7.1	1.637	1.28	7.64	8.8	10.6	11.34
00400	PH (STANDARD UNITS)	06/22/87-10/21/96	32	8.095	8.065	8.91	7.24	0.093	0.304	7.586	7.998	8.22	8.38
00400	CONVERTED PH (STANDARD UNITS)	06/22/87-10/21/96	32	8.095	7.948	8.91	7.24	0.107	0.327	7.586	7.998	8.22	8.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/87-10/21/96	32	0.008	0.011	0.058	0.001	0.	0.011	0.004	0.006	0.01	0.026
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	15 ##	0.025	0.043	0.112	0.02	0.001	0.034	0.02	0.025	0.06	0.107
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	15	0.26	0.289	0.52	0.14	0.011	0.106	0.182	0.21	0.36	0.484
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	39	9.	63.692	640.	0.	23873.85	154.512	0.	4.	24.	180.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	39	0.954	1.039	2.806	0.	0.582	0.763	0.	0.602	1.38	2.255
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.945								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	13	12.2	12.415	18.	4.5	14.4	3.795	6.02	9.6	15.9	17.24
00065	STAGE, STREAM (FEET)	04/22/85-11/02/92	3	0.6	-0.11	0.6	-1.23	0.963	0.981	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/21/96	9	0.6	2.656	18.	0.2	33.39	5.778	0.2	0.35	1.55	18.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	14	333.	313.714	351.	230.	1553.143	39.41	235.	297.	336.5	350.5
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	13	10.6	10.769	16.7	8.	4.312	2.077	8.32	9.55	11.3	14.66
00400	PH (STANDARD UNITS)	06/22/87-10/21/96	12	8.17	8.165	8.37	7.82	0.025	0.159	7.877	8.06	8.315	8.364
00400	CONVERTED PH (STANDARD UNITS)	06/22/87-10/21/96	12	8.17	8.136	8.37	7.82	0.026	0.162	7.877	8.06	8.315	8.364
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/87-10/21/96	12	0.007	0.007	0.015	0.004	0.	0.003	0.004	0.005	0.009	0.014
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	7 ##	0.025	0.032	0.051	0.025	0.	0.012	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	7	0.33	0.296	0.41	0.07	0.018	0.133	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	14	4.	100.714	760.	0.	44772.22	211.594	0.5	2.	91.25	538.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	14	0.602	1.058	2.881	0.	0.953	0.976	0.	0.301	1.876	2.69
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.427								

** - Less than 9 observations ## - Computed with 50% or more 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: 5/10 to 7/14 - Station BUFF0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	23	18.8	19.113	25.	15.	6.809	2.609	15.12	16.8	20.8	22.38
00065	STAGE, STREAM (FEET)	04/22/85-11/02/92	10	0.57	0.535	0.75	0.28	0.023	0.151	0.288	0.405	0.655	0.745
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/14/88-10/21/96	12	0.95	1.95	12.5	0.3	11.406	3.377	0.33	0.525	1.675	9.47
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	21	329.	329.667	390.	247.	839.733	28.978	303.8	315.5	349.	370.2
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	14	9.6	9.614	10.8	8.1	0.489	0.699	8.45	9.2	10.225	10.55
00400	PH (STANDARD UNITS)	06/22/87-10/21/96	17	8.13	8.022	8.24	7.41	0.053	0.231	7.634	7.85	8.19	8.232
00400	CONVERTED PH (STANDARD UNITS)	06/22/87-10/21/96	17	8.13	7.952	8.24	7.41	0.059	0.242	7.634	7.85	8.19	8.232
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/87-10/21/96	17	0.007	0.011	0.039	0.006	0.	0.008	0.006	0.006	0.014	0.024
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	9 ##	0.025	0.039	0.1	0.01	0.001	0.028	0.01	0.025	0.059	0.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	9	0.3	0.266	0.33	0.13	0.006	0.075	0.13	0.21	0.31	0.33
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	22	13.5	47.273	625.	1.	17064.398	130.631	4.	5.5	25.25	80.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	22	1.13	1.168	2.796	0.	0.334	0.578	0.602	0.734	1.402	1.897
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.726								

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

Station Inventory for Station: BUFF0087

NPS Station ID: BUFF0087
LAT/LON: 35.983616/ -92.770838
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER 0.3 MI DNST FROM CALF CREEK
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF127
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005005
RF1 Mile Point: 6.570
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005002501.04
RF3 Mile Point: 1.03
Distance from RF3: 0.15
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 0.3 MILE DOWNSTREAM FROM CALF CREEK

Parameter Inventory for Station: BUFF0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1655.	1655.	1655.	1655.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	112.	112.	112.	112.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.18	1.18	1.18	1.18	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	218.	218.	218.	218.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	9500.	9500.	9500.	9500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0088

NPS Station ID: BUFF0088 LAT/LON: 35.979170/ -92.772227 Agency: 1116APCC Date Created: 02/03/90
Location: CALF CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS019 /BUFT10 /4J00031
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 183 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 2.00 On/Off RF1:
RF3 Index: 11010005002400.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
POINT LOCATION: AT THE STREAM'S MOUTH - ACCESS VIA UNPAVED ROAD (4X4) 3.4 MILES WEST FROM THE TYLER BEND ACCESS ROAD

Parameter Inventory for Station: BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	106	16.8	16.947	28.	4.8	33.159	5.758	8.87	12.15	22.05	24.65
00060	FLOW, STREAM, MEAN DAILY CFS	01/06/92-10/30/95	21	22.	137.905	1800.	1.	162741.99	403.413	3.4	9.	46.	518.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/93-10/21/96	44	105.5	356.455	3200.	3.	373829.789	611.416	7.	40.	407.5	1025.
00065	STAGE, STREAM (FEET)	04/22/85-12/18/95	51	-5.05	-3.627	6.14	-6.5	8.464	2.909	-0.056	-0.34	-6.05	-6.364
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	83	2.8	44.734	350.	0.5	5600.043	74.833	1.	1.6	56.	164.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	106	263.	248.368	346.	110.	3701.549	60.84	145.5	198.	302.	314.
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	86	10.05	10.037	16.4	5.3	3.342	1.828	7.85	8.775	11.325	12.53
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	91	7.89	7.873	8.49	6.52	0.083	0.288	7.638	7.76	8.	8.228
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	91	7.89	7.73	8.49	6.52	0.104	0.322	7.638	7.76	8.	8.228
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	91	0.013	0.019	0.302	0.003	0.001	0.032	0.006	0.01	0.017	0.023
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/04/90-12/13/93	4	111.	94.75	157.	0.	4946.25	70.33	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/94-12/18/95	38	62.	115.513	564.	0.5	20395.034	142.811	2.	14.75	154.5	426.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	69 ##	0.025	0.042	0.145	0.	0.001	0.029	0.025	0.025	0.067	0.088
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/89-11/05/94	28	1.105	1.317	4.18	0.1	1.048	1.024	0.1	0.67	1.84	2.633
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	68	0.33	0.455	1.28	0.08	0.092	0.303	0.176	0.233	0.67	0.875
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	48	0.189	0.247	0.72	0.015	0.044	0.21	0.029	0.073	0.366	0.604
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/04/94-12/18/95	27	7.	7.785	15.2	1.4	10.837	3.292	4.6	5.7	10.2	13.12
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/93-09/19/94	7	138.	134.143	160.	84.	665.143	25.79	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	04/04/90-04/04/90	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/06/92-10/21/96	63	4.	3.762	6.	2.	1.055	1.027	3.	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/06/92-10/21/96	63	10.	9.206	15.	4.	8.199	2.863	5.	6.	11.	13.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/02/85-06/17/91	6	72.5	70.667	140.	16.	2065.467	45.447	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	08/02/85-06/17/91	6	1.858	1.749	2.146	1.204	0.125	0.354	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			56.043								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	107	46.	5566.355	45200.	0.	125958131.193	11223.107	1.8	12.	6400.	23040.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	107	1.663	2.148	4.655	0.	2.207	1.486	0.241	1.079	3.806	4.362
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			140.716								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/94-12/18/95	38	137.	142.237	184.	114.	308.78	17.572	126.5	132.	155.25	173.3
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/06/92-10/21/96	61	0.059	0.069	0.269	0.01	0.003	0.057	0.015	0.015	0.096	0.143
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/09/94-12/18/95	46	42.5	68.624	350.	0.6	6504.167	80.648	0.97	3.925	83.5	195.9
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/29/94-12/18/95	34	1.82	3.423	9.13	1.46	6.87	2.621	1.67	1.738	7.09	7.835

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

EPA Water Quality Criteria Analysis for Station: BUFF0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	83	23	0.28	50	16	0.32	21	7	0.33	12	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	86	0	0.00	45	0	0.00	28	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	91	0	0.00	48	0	0.00	27	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	91	0	0.00	48	0	0.00	27	0	0.00	16	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	68	0	0.00	40	0	0.00	21	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	63	0	0.00	37	0	0.00	21	0	0.00	5	0	0.00			
		Drinking Water	250.	63	0	0.00	37	0	0.00	21	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	63	0	0.00	37	0	0.00	21	0	0.00	5	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00	4	0	0.00				2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	107	41	0.38	62	27	0.44	25	13	0.52	20	1	0.05			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	46	22	0.48	30	16	0.53	13	6	0.46	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

Annual Analysis for 1985 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	11	22.7	22.291	28.	16.	13.085	3.617	16.18	19.8	25.	27.56
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	11	296.	288.455	312.	260.	388.873	19.72	260.6	266.	307.	311.2
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	11	10.	26.	150.	0.	2106.4	45.896	0.	0.	18.	134.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	11	1.	0.899	2.176	0.	0.531	0.729	0.	0.	1.255	2.112
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.934								

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

Annual Analysis for 1987 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	4	24.5	24.5	27.	22.	5.667	2.38	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	4	311.	306.5	318.	286.	203.667	14.271	**	**	**	**
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	4	7.93	7.758	7.96	7.21	0.134	0.366	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	4	7.93	7.619	7.96	7.21	0.159	0.399	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	4	0.012	0.024	0.062	0.011	0.001	0.025	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	3	28.	42.	84.	14.	1372.	37.041	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	3	1.447	1.506	1.924	1.146	0.154	0.392	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.052								

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

Annual Analysis for 1988 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	5	23.2	22.64	24.5	20.4	3.403	1.845	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	5	2.4	5.1	17.5	1.	48.43	6.959	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	4	311.	311.5	331.	293.	307.667	17.54	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	2	8.65	8.65	9.3	8.	0.845	0.919	**	**	**	**
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	5	7.7	7.65	7.84	7.23	0.059	0.243	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	5	7.7	7.585	7.84	7.23	0.064	0.254	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	5	0.02	0.026	0.059	0.014	0.	0.019	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	5	12.	148.	692.	8.	92504.	304.145	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	5	1.079	1.405	2.84	0.903	0.67	0.819	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			25.427								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	8	22.2	22.213	26.	18.5	7.458	2.731	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	8	1.8	1.913	2.7	1.4	0.301	0.549	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	8	292.5	291.25	346.	240.	1181.929	34.379	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	8	8.95	8.875	9.6	8.	0.288	0.537	**	**	**	**
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	7	7.78	7.784	7.82	7.75	0.001	0.029	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	7	7.78	7.783	7.82	7.75	0.001	0.029	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	7	0.017	0.016	0.018	0.015	0.	0.001	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	8	11.	12.75	46.	0.	229.643	15.154	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	8	1.04	0.803	1.663	0.	0.389	0.623	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.352								

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Annual Analysis for 1990 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	9	18.2	18.711	26.9	11.1	33.786	5.813	11.1	12.8	23.8	26.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	9	2.	2.267	4.2	0.5	1.068	1.033	0.5	1.75	2.9	4.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	8	291.	289.5	304.	264.	197.143	14.041	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	9	9.4	8.822	11.3	6.3	2.099	1.449	6.3	7.85	9.55	11.3
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	9	7.8	7.888	8.29	7.63	0.051	0.226	7.63	7.68	8.06	8.29
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	9	7.8	7.84	8.29	7.63	0.054	0.232	7.63	7.68	8.06	8.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	9	0.016	0.014	0.023	0.005	0.	0.007	0.005	0.009	0.021	0.023
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	9	18.	25.222	66.	0.	594.944	24.391	0.	7.	46.5	66.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	9	1.255	1.131	1.82	0.	0.386	0.622	0.	0.69	1.634	1.82
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.535								

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

Annual Analysis for 1991 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	10	15.85	15.76	23.2	8.	28.956	5.381	8.2	11.5	19.875	23.13
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	10	1.75	4.6	31.	0.6	86.887	9.321	0.6	0.75	2.75	28.22
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	10	256.5	256.7	309.	155.	1970.9	44.395	163.1	238.25	295.75	308.8
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	10	9.65	9.58	12.5	7.	3.493	1.869	7.05	7.875	11.45	12.41
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	10	8.02	8.015	8.29	7.79	0.033	0.183	7.793	7.82	8.198	8.283
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	10	8.02	7.982	8.29	7.79	0.035	0.186	7.793	7.82	8.198	8.283
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	10	0.01	0.01	0.016	0.005	0.	0.004	0.005	0.006	0.015	0.016
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	9	36.	177.111	1240.	0.	161427.111	401.78	0.	4.	123.	1240.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	9	1.556	1.405	3.093	0.	1.008	1.004	0.	0.452	2.074	3.093
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			25.408								

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Annual Analysis for 1992 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	6	17.55	17.567	24.	11.5	23.619	4.86	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	6	1.3	1.583	2.4	1.1	0.322	0.567	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	6	286.	282.5	316.	244.	1240.3	35.218	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	6	10.5	10.533	12.7	8.7	2.019	1.421	**	**	**	**
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	5	7.98	8.068	8.49	7.8	0.069	0.264	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	5	7.98	8.014	8.49	7.8	0.073	0.27	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	5	0.01	0.01	0.016	0.003	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	6	23.5	41.833	132.	14.	2013.767	44.875	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	6	1.371	1.482	2.121	1.146	0.118	0.343	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.309								

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

Annual Analysis for 1993 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	7	15.5	15.243	23.8	9.5	22.556	4.749	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	6	2.85	6.367	26.	0.9	94.515	9.722	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	6	260.	242.	302.	171.	2532.8	50.327	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	6	9.5	9.65	11.9	7.5	2.987	1.728	**	**	**	**
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	6	8.05	7.97	8.34	7.42	0.126	0.355	**	**	**	**

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

Annual Analysis for 1993 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	6	8.021	7.843	8.34	7.42	0.145	0.381	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	6	0.01	0.014	0.038	0.005	0.	0.013	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	6	37.5	245.333	1060.	0.	175538.267	418.973	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	6	1.56	1.495	3.025	0.	1.419	1.191	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.268								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	23	15.1	15.448	25.4	8.5	10.442	3.231	13.32	13.7	16.8	20.16
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	19	90.	126.789	350.	30.	9196.953	95.901	32.	55.	180.	300.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	24	168.	176.167	301.	110.	2656.232	51.539	124.	134.5	200.5	265.5
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	20	10.2	10.43	13.8	8.8	1.191	1.091	9.14	9.825	10.625	11.77
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	20	8.	7.994	8.44	7.67	0.04	0.199	7.719	7.9	8.045	8.384
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	20	8.	7.955	8.44	7.67	0.041	0.203	7.719	7.9	8.045	8.384
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	20	0.01	0.011	0.021	0.004	0.	0.005	0.004	0.009	0.013	0.019
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	25	7800.	14363.84	45200.	2.	218814930.89	14792.394	9.	1700.	24500.	43000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	25	3.892	3.423	4.655	0.301	1.925	1.387	0.936	2.971	4.389	4.633
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2646.673								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	19	9.3	10.974	23.1	8.1	19.76	4.445	8.4	8.6	10.5	21.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	15	55.	75.98	220.	0.9	4683.017	68.433	2.04	26.	105.	211.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	21	213.	235.619	320.	147.	2747.048	52.412	182.2	195.	290.	316.4
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	20	11.6	11.085	13.	5.3	3.506	1.872	8.59	10.425	12.575	12.97
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	21	7.84	7.757	8.4	6.52	0.13	0.361	7.314	7.72	7.9	8.068
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	21	7.84	7.51	8.4	6.52	0.194	0.441	7.314	7.72	7.9	8.068
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	21	0.014	0.031	0.302	0.004	0.004	0.063	0.009	0.013	0.019	0.049
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	21	4600.	11013.619	45000.	1.	185326858.648	13613.481	21.	357.5	19650.	38720.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	21	3.663	3.302	4.653	0.	1.59	1.261	1.163	2.473	4.29	4.578
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2005.975								

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

Annual Analysis for 1996 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	4	16.65	15.1	22.3	4.8	54.727	7.398	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	4	1.65	1.575	2.5	0.5	0.956	0.978	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	4	284.5	286.5	324.	253.	1099.	33.151	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	4	8.9	10.325	16.4	7.1	17.229	4.151	**	**	**	**
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	4	7.745	7.655	7.93	7.2	0.101	0.318	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	4	7.743	7.557	7.93	7.2	0.114	0.337	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	4	0.018	0.028	0.063	0.012	0.001	0.024	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	4	21.5	105.	361.	16.	29147.333	170.726	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	4	1.323	1.602	2.558	1.204	0.415	0.644	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			39.973								

** - Less than 9 observations ## - Computed with 50% or more 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: 7/15 to 1/09 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	60	16.95	16.873	28.	8.1	39.397	6.277	8.61	10.275	22.225	25.18
00065	STAGE, STREAM (FEET)	04/22/85-12/18/95	31	-5.8	-4.138	6.14	-6.5	9.113	3.019	-0.2	-2.5	-6.12	-6.412
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	50	2.95	52.704	350.	0.5	6881.749	82.956	1.11	2.	74.75	190.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	62	285.	257.903	346.	110.	3471.302	58.918	182.	200.5	307.	317.7
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	45	10.2	10.149	13.8	5.3	4.032	2.008	7.34	8.65	11.9	12.7
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	48	7.81	7.83	8.49	7.2	0.068	0.261	7.595	7.735	7.908	8.195
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	48	7.81	7.748	8.49	7.2	0.075	0.274	7.595	7.735	7.907	8.195
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	48	0.015	0.018	0.063	0.003	0.	0.013	0.006	0.012	0.018	0.026
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	40 ##	0.025	0.045	0.145	0.025	0.001	0.029	0.025	0.025	0.07	0.081
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	40	0.61	0.587	1.28	0.08	0.108	0.329	0.19	0.233	0.785	1.088
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	31	0.18	0.251	0.72	0.015	0.044	0.211	0.031	0.08	0.39	0.594
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	62	75.	6736.5	45000.	0.	153697735.238	12397.489	2.	16.5	7725.	24700.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	62	1.872	2.325	4.653	0.	2.272	1.507	0.301	1.217	3.888	4.393
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			211.382								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	24	13.6	13.192	18.9	4.8	8.603	2.933	8.75	12.4	14.825	16.45
00065	STAGE, STREAM (FEET)	04/22/85-12/18/95	12	-5.1	-4.641	0.26	-6.25	2.843	1.686	-0.988	-4.173	-5.58	-6.067
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	21	30.	48.281	280.	0.5	4960.886	70.434	0.66	1.5	81.	158.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	24	197.	201.542	287.	122.	3558.259	59.651	128.	142.	260.5	266.5
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	28	10.2	10.371	16.4	7.	2.811	1.677	8.45	9.5	11.25	11.96
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	27	8.	7.965	8.44	6.52	0.129	0.359	7.65	7.9	8.21	8.312
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	27	8.	7.665	8.44	6.52	0.222	0.472	7.65	7.9	8.21	8.312
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	27	0.01	0.022	0.302	0.004	0.003	0.056	0.005	0.006	0.013	0.023
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	22 ##	0.025	0.031	0.118	0.	0.001	0.025	0.025	0.025	0.025	0.07
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	21	0.26	0.271	0.5	0.09	0.008	0.091	0.148	0.235	0.315	0.426
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	14	0.219	0.285	0.668	0.04	0.043	0.208	0.046	0.117	0.394	0.668
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	25	361.	7051.28	45200.	0.	134730961.71	11607.367	0.	11.5	12200.	24160.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	25	2.558	2.43	4.655	0.	2.755	1.66	0.	1.06	4.086	4.36
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			269.287								

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-10/21/96	22	22.1	21.245	26.	15.5	10.199	3.194	15.89	18.8	23.2	25.82
00065	STAGE, STREAM (FEET)	04/22/85-12/18/95	8	-0.11	-0.129	0.16	-0.44	0.035	0.186	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/22/85-10/21/96	12	2.15	5.317	26.	0.6	63.192	7.949	0.72	1.4	3.95	23.45
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-10/21/96	20	280.	275.	321.	171.	1190.842	34.509	240.	260.	301.75	314.
00300	OXYGEN, DISSOLVED MG/L	04/22/85-10/21/96	13	9.2	8.931	10.7	7.5	0.927	0.963	7.5	8.15	9.65	10.34
00400	PH (STANDARD UNITS)	06/18/87-10/21/96	16	7.855	7.85	8.16	7.42	0.04	0.2	7.518	7.713	8.003	8.118
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-10/21/96	16	7.854	7.804	8.16	7.42	0.042	0.206	7.518	7.712	8.002	8.118
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-10/21/96	16	0.014	0.016	0.038	0.007	0.	0.008	0.008	0.01	0.019	0.031
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/89-10/21/96	7	0.06	0.059	0.112	0.02	0.001	0.038	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/89-10/21/96	7	0.28	0.247	0.35	0.08	0.01	0.101	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/89-12/18/95	3	0.024	0.023	0.029	0.015	0.	0.007	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	20	12.	82.75	1060.	0.	54768.724	234.027	2.2	6.5	55.75	153.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-10/21/96	20	1.079	1.248	3.025	0.	0.483	0.695	0.331	0.809	1.721	2.186
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.707								

** - 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 box-and-whisker plot

Station Inventory for Station: BUFF0089

NPS Station ID: BUFF0089
LAT/LON: 35.963892/ -92.780560
Agency: 21ARUNFA
Date Created: 10/06/79
Location: CALF CREEK APPR 1.3 MI FROM BUFFALO RIVER
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF126
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005025
RF1 Mile Point: 1.140
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005075000.00
RF3 Mile Point: 0.22
Distance from RF3: 0.06
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CALF CREEK APPR 1.3 MILES FROM BUFFALO RIVER

Parameter Inventory for Station: BUFF0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	2750.	2750.	2750.	2750.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1905.	1905.	1905.	1905.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	179.	179.	179.	179.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	497.	497.	497.	497.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	11200.	11200.	11200.	11200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0090

NPS Station ID: BUFF0090 LAT/LON: 35.991948/ -92.786115 Agency: 21ARUNFA Date Created: 10/06/79
Location: MILL CREEK 0.3 MI FROM BUFFALO RIVER CONF FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF128
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005006 RF1 Mile Point: 0.830 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000506.13 RF3 Mile Point: 6.13 Distance from RF3: 0.12 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM MILL CREEK 0.3 MILE FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	40500.	40500.	40500.	40500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	563.	563.	563.	563.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	196.	196.	196.	196.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	2.28	2.28	2.28	2.28	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	609.	609.	609.	609.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	9100.	9100.	9100.	9100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0091

NPS Station ID: BUFF0091
LAT/LON: 35.985838/ -92.797226
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER AT ARNOLD BEND
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF125
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005006
RF1 Mile Point: 1.270
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005000602.86
RF3 Mile Point: 3.24
Distance from RF3: 0.04
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER AT ARNOLD BEND

Parameter Inventory for Station: BUFF0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	435.	435.	435.	435.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	235.	235.	235.	235.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	105.	105.	105.	105.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	216.	216.	216.	216.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	8800.	8800.	8800.	8800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0092

NPS Station ID: BUFF0092 LAT/LON: 35.978337/ -92.810838 Agency: 21ARUNFA Date Created: 10/06/79
Location: ROCKY HOLLOW APPR 0.3 MI FROM BUFFALO RIVER CONF FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF123
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005006 RF1 Mile Point: 2.450 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005027400.00 RF3 Mile Point: 0.00 Distance from RF3: 0.05 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ROCKY HOLLOW APPR 0.3 MILE FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	4750.	4750.	4750.	4750.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	401.	401.	401.	401.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	211.	211.	211.	211.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	623.	623.	623.	623.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	61.	61.	61.	61.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	15500.	15500.	15500.	15500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0093

NPS Station ID: BUFF0093
LAT/LON: 35.980559/ -92.815281
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER AT RED BLUFF NEAR CASH BEND
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF124
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005006
RF1 Mile Point: 2.910
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005000602.28
RF3 Mile Point: 2.27
Distance from RF3: 0.17
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER AT RED BLUFF NEAR CASH BEND

Parameter Inventory for Station: BUFF0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	515.	515.	515.	515.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	198.	198.	198.	198.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	118.	118.	118.	118.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.88	1.88	1.88	1.88	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	259.	259.	259.	259.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	9900.	9900.	9900.	9900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0094

NPS Station ID: BUFF0094 LAT/LON: 35.958338/ -92.839448 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER 0.8 MI NORTHEAST OF SLAY CEMETERY FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF122
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005006 RF1 Mile Point: 7.750 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005027400.00 RF3 Mile Point: 0.00 Distance from RF3: 0.10 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER 0.8 MILE NORTHEAST OF SLAY CEMETERY

Parameter Inventory for Station: BUFF0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	965.	965.	965.	965.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	366.	366.	366.	366.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	124.	124.	124.	124.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	198.	198.	198.	198.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	10900.	10900.	10900.	10900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0095

NPS Station ID: BUFF0095 LAT/LON: 35.955837/ -92.839448 Agency: 21ARUNFA Date Created: 10/06/79
Location: UNMD CR NEAR SLAY CEMETERY 100 FT FR BUFFALO R FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF121
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005006 RF1 Mile Point: 7.600 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005074700.00 RF3 Mile Point: 0.09 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM UNNAMED CREEK NEAR SLAY CEMETERY 100 FEET FROM BUFFALO RIVER

Parameter Inventory for Station: BUFF0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	3725.	3725.	3725.	3725.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	395.	395.	395.	395.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	312.	312.	312.	312.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.93	0.93	0.93	0.93	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	1142.	1142.	1142.	1142.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	22400.	22400.	22400.	22400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0096

NPS Station ID: BUFF0096
LAT/LON: 35.967227/ -92.850004
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER CONFLUENCE AT WHITE FORD
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF120
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005006
RF1 Mile Point: 9.450
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005074400.09
RF3 Mile Point: 0.36
Distance from RF3: 0.07
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER CONFLUENCE AT WHITE FORD, ARKANSAS

Parameter Inventory for Station: BUFF0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	653.	653.	653.	653.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	265.	265.	265.	265.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	108.	108.	108.	108.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.47	1.47	1.47	1.47	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	218.	218.	218.	218.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	49.	49.	49.	49.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	10400.	10400.	10400.	10400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0097

NPS Station ID: BUFF0097
LAT/LON: 35.969448/ -92.872226
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER APPR 1.9 MI FROM RICHLAND CREEK
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF119
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005006
RF1 Mile Point: 10.930
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005000612.41
RF3 Mile Point: 12.41
Distance from RF3: 0.43
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 1.9 MILES FROM RICHLAND CREEK

Parameter Inventory for Station: BUFF0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1473.	1473.	1473.	1473.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	430.	430.	430.	430.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	172.	172.	172.	172.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	597.	597.	597.	597.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	53.	53.	53.	53.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	15400.	15400.	15400.	15400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0098

NPS Station ID: BUFF0098 LAT/LON: 35.983616/ -92.875281 Agency: 21ARUNFA Date Created: 10/06/79
Location: JAMISON CREEK APPR 400 FEET FROM BUFFALO R CONF FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF118
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005006 RF1 Mile Point: 12.170 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005036300.00 RF3 Mile Point: 0.46 Distance from RF3: 0.24 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM JAMISON CREEK APPR 400 FEET FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	2383.	2383.	2383.	2383.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	673.	673.	673.	673.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	209.	209.	209.	209.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	422.	422.	422.	422.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	73.	73.	73.	73.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0099

NPS Station ID: BUFF0099
LAT/LON: 35.969726/ -92.886116
Agency: 112WRD
Date Created: 12/10/94
Location: BUFFALO RIVER NEAR EULA, AR
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055865
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/17/94-05/16/95	3	21.8	23.2	26.	21.8	5.88	2.425	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/17/94-05/16/95	2	23.8	23.8	25.8	21.8	8.	2.828	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	05/17/94-05/16/95	3	750.	748.333	750.	745.	8.333	2.887	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/17/94-08/23/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/17/94-05/16/95	2	98.5	98.5	146.	51.	4512.5	67.175	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/17/94-05/16/95	3	207.	215.667	243.	197.	585.333	24.194	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/17/94-05/16/95	3	8.7	8.3	9.2	7.	1.33	1.153	**	**	**	**
00400	PH (STANDARD UNITS)	05/17/94-05/16/95	3	7.94	8.023	8.19	7.94	0.021	0.144	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/17/94-05/16/95	3	7.94	8.008	8.19	7.94	0.021	0.145	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/17/94-05/16/95	3	0.011	0.01	0.011	0.006	0.	0.003	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/17/94-05/16/95	3	7.6	7.6	7.8	7.4	0.04	0.2	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/17/94-05/16/95	3	7.6	7.57	7.8	7.4	0.041	0.203	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/17/94-05/16/95	3	0.025	0.027	0.04	0.016	0.	0.012	**	**	**	**
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/17/94-05/16/95	3	103.	107.333	117.	102.	70.333	8.386	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/17/94-05/16/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/17/94-05/16/95	3	125.	128.667	142.	119.	142.333	11.93	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/17/94-05/16/95	3	0.02	0.023	0.03	0.02	0.	0.006	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/17/94-05/16/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/17/94-05/16/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/17/94-05/16/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/17/94-05/16/95	3	0.07	0.055	0.07	0.025	0.001	0.026	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/17/94-05/16/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/17/94-05/16/95	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/17/94-05/16/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/17/94-05/16/95	3	1.8	2.1	3.3	1.2	1.17	1.082	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/17/94-05/16/95	3	0.2	0.167	0.2	0.1	0.003	0.058	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/17/94-05/16/95	3	37.	37.	39.	35.	4.	2.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/17/94-05/16/95	3	2.7	3.3	4.6	2.6	1.27	1.127	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/17/94-05/16/95	3	1.6	1.6	1.9	1.3	0.09	0.3	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/17/94-05/16/95	3	1.	0.933	1.	0.8	0.013	0.115	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/17/94-05/16/95	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/17/94-05/16/95	3	4.	4.667	6.	4.	1.333	1.155	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/94-05/16/95	3	0.1	0.117	0.2	0.05	0.006	0.076	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/17/94-05/16/95	3	6.3	6.733	8.6	5.3	2.863	1.692	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/17/94-05/16/95	3	22.	21.	22.	19.	3.	1.732	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/17/94-05/16/95	3	7.	8.333	13.	5.	17.333	4.163	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	2 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/17/94-05/16/95	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	2 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-05/16/95	3	10.	6.667	10.	0.	33.333	5.774	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-05/16/95	3	1.	0.667	1.	0.	0.333	0.577	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			4.642								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/17/94-05/16/95	3	7.	7.333	10.	5.	6.333	2.517	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/17/94-05/16/95	3	0.845	0.848	1.	0.699	0.023	0.151	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			7.047								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-05/16/95	3	9.	9.333	13.	6.	12.333	3.512	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-05/16/95	3	0.954	0.949	1.114	0.778	0.028	0.168	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			8.887								
34253	A-BHC-ALPHA DISSUG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.004	0.	0.001	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/17/94-05/16/95	2 ##	0.003	0.003	0.004	0.003	0.	0.001	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/17/94-05/16/95	3	102.	105.667	117.	98.	100.333	10.017	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/17/94-05/16/95	2 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/16/95	2 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/16/95	2 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	05/17/94-05/16/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49235	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49260	INVALID PARAMETER	05/16/95-05/16/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49291	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	05/17/94-05/17/94	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: BUFF0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49311	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/17/94-05/16/95	3	124.	122.333	133.	110.	134.333	11.59	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/17/94-05/16/95	3	28.	41.667	89.	8.	1780.333	42.194	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/17/94-05/16/95	3	4.	5.667	10.	3.	14.333	3.786	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/17/94-05/16/95	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/17/94-05/16/95	2 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.023	0.023	0.025	0.02	0.	0.004	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/16/95	2 ##	0.006	0.006	0.01	0.001	0.	0.006	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 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	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00				2	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	2	0	0.00							2	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	0	0.00			
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	2	0	0.00							2	0	0.00			
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00							1	0	0.00			
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	2	0	0.00							2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: BUFF0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	2	0	0.00							2	0	0.00			
		Drinking Water	0.2	2	0	0.00							2	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	2	0	0.00							2	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	2	0	0.00							2	0	0.00			
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	2	0	0.00							2	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.	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: BUFF0100

NPS Station ID: BUFF0100
LAT/LON: 35.970004/ -92.886116
Agency: 1116APCC
Date Created: 02/03/90
Location: BUFFALO RIVER AT WOOLUM
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS005 /BUFR05 /4J00014
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 195
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010005002608.74
RF3 Mile Point: 8.89
Distance from RF3: 0.17
On/Off RF3:
Description:
POINT LOCATION: WOOLUM FORD 5.8 MILES SOUTHWEST OF ST. JOE ARKANSAS ON AN UNPAVED COUNTY ROAD

Parameter Inventory for Station: BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	98	18.25	18.377	33.	1.1	71.097	8.432	7.3	10.775	25.575	30.01
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	6	20.	22.833	39.	4.	167.367	12.937	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	21	591.	679.714	2626.	38.	406522.714	637.591	85.2	143.5	1082.5	1562.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	10	656.	627.1	1116.	50.	151632.322	389.4	58.1	266.75	1001.25	1109.4
00065	STAGE, STREAM (FEET)	04/10/85-07/22/96	77	2.	2.581	17.	0.	5.8	2.408	0.7	1.075	3.25	4.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	58	1.25	4.924	99.	0.1	195.893	13.996	0.59	0.775	4.55	8.26
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	94	223.5	206.702	318.	22.	2777.093	52.698	141.5	178.	240.25	259.
00300	OXYGEN, DISSOLVED MG/L	04/22/85-11/04/96	83	10.	10.018	15.8	5.4	3.959	1.99	7.64	8.6	11.3	12.62
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	76	8.14	8.108	9.19	7.15	0.092	0.303	7.758	7.91	8.295	8.513
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	76	8.14	7.996	9.19	7.15	0.104	0.323	7.758	7.91	8.295	8.513
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	76	0.007	0.01	0.071	0.001	0.	0.01	0.003	0.005	0.012	0.017
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	83.	65.4	115.	0.	2062.3	45.413	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	54 ##	0.025	0.041	0.21	0.	0.002	0.039	0.005	0.025	0.06	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/85-11/18/90	28	0.22	0.257	0.7	0.03	0.023	0.153	0.05	0.123	0.36	0.436
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/10/85-11/04/96	62	0.06	0.102	0.73	0.005	0.016	0.125	0.01	0.01	0.143	0.237
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/85-09/28/92	37	0.015	0.022	0.13	0.001	0.001	0.028	0.001	0.004	0.025	0.063
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/24/90	2	4.85	4.85	9.7	0.	47.045	6.859	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	6	96.	100.833	126.	83.	267.767	16.364	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/24/90	7	32.	26.721	40.	0.05	214.793	14.656	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	6	2.5	2.833	6.	1.	2.967	1.722	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/24/90	7	1.	1.279	2.	0.05	0.562	0.749	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/24/90	6	0.75	0.652	1.	0.01	0.116	0.341	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	49	3.	2.857	6.	2.	0.625	0.791	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	52	6.	6.173	19.	1.	8.264	2.875	3.	5.	7.	9.4
01002	ARSENIC, TOTAL (UG/L AS AS)	01/28/87-05/03/88	5	1.	5.2	22.	1.	88.2	9.391	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/28/87-05/13/91	8 ##	0.5	0.75	2.	0.5	0.286	0.535	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/28/87-05/13/91	6 ##	1.	1.333	3.	1.	0.667	0.816	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	01/28/87-10/17/89	7 ##	0.5	2.	8.	0.5	7.833	2.799	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/28/87-05/13/91	8	1.5	3.5	13.	1.	17.714	4.209	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/28/87-10/17/89	7	42.	39.857	70.	6.	430.81	20.756	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/28/87-05/13/91	8 ##	1.	2.75	10.	1.	11.643	3.412	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/28/87-10/17/89	7	2.	2.857	8.	1.	7.143	2.673	**	**	**	**

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

Parameter Inventory for Station: BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	01/28/87-03/28/88	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/28/87-05/13/91	8 ##	5.	4.75	7.	3.	1.643	1.282	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	01/28/87-10/17/89	7 ##	5.	14.571	70.	5.	597.619	24.446	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/19/85-03/28/88	8	22.	571.5	3500.	0.	1514220.286	1230.537	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/19/85-03/28/88	8	1.341	1.575	3.544	0.	1.324	1.151	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			37.549								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	93	2.	60.935	2150.	0.	72588.583	269.423	0.	0.	15.5	49.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	93	0.301	0.622	3.332	0.	0.627	0.792	0.	0.	1.19	1.697
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.191								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	52 ##	0.015	0.019	0.093	0.	0.	0.017	0.012	0.015	0.015	0.031
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	12	2.25	3.7	15.5	0.5	17.496	4.183	0.59	1.15	4.2	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 time series plot

EPA Water Quality Criteria Analysis for Station: BUFF0100

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	58	1	0.02	32	0	0.00	17	0	0.00	9	1	0.11			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	83	0	0.00	43	0	0.00	28	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	76	1	0.01	40	1	0.03	24	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	76	0	0.00	40	0	0.00	24	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	62	0	0.00	34	0	0.00	18	0	0.00	10	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	49	0	0.00	26	0	0.00	16	0	0.00	7	0	0.00			
		Drinking Water	250.	49	0	0.00	26	0	0.00	16	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	52	0	0.00	26	0	0.00	18	0	0.00	8	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	1	0	0.00	4	0	0.00						
		Drinking Water	50.	5	0	0.00	1	0	0.00	4	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	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	5.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	1	0	0.00	4	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.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	1300.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	15.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	2	0	0.00	5	0	0.00						
		Drinking Water	100.	7	0	0.00	2	0	0.00	5	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	4	0	0.00	1	0	0.00	3	0	0.00						
		Drinking Water	100.	4	0	0.00	1	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			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	5000.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	8	1	0.13	5	0	0.00	2	0	0.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	93	4	0.04	48	2	0.04	28	1	0.04	17	1	0.06			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	9	23.	21.133	31.	5.	62.283	7.892	5.	16.05	26.55	31.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	9	225.	210.222	242.	143.	1078.694	32.843	143.	183.5	232.5	242.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	9	2.	4.778	30.	0.	92.944	9.641	0.	0.	4.5	30.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	9	0.301	0.376	1.477	0.	0.243	0.493	0.	0.	0.651	1.477
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.375								

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

Annual Analysis for 1986 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	6	28.5	24.1	30.5	6.	91.48	9.565	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	6	232.5	228.5	240.	200.	221.5	14.883	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	6	0.	0.333	2.	0.	0.667	0.816	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	6	0.	0.05	0.301	0.	0.015	0.123	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.122								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	7	25.	20.043	30.	6.5	109.58	10.468	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	7	172.	173.571	241.	69.	2902.952	53.879	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	3	8.06	8.12	8.51	7.79	0.132	0.364	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	3	8.06	8.03	8.51	7.79	0.145	0.38	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	3	0.009	0.009	0.016	0.003	0.	0.007	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	7	2.	14.	78.	0.	808.	28.425	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	7	0.301	0.614	1.892	0.	0.458	0.677	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.115								

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

Annual Analysis for 1988 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	10	19.3	18.69	28.9	7.3	74.997	8.66	7.3	8.95	27.5	28.79
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	9	252.	245.	318.	136.	3506.5	59.216	136.	200.	295.5	318.
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	7.85	7.804	8.31	7.15	0.107	0.327	7.15	7.645	8.01	8.31
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	9	7.85	7.683	8.31	7.15	0.123	0.351	7.15	7.645	8.01	8.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	9	0.014	0.021	0.071	0.005	0.	0.02	0.005	0.01	0.023	0.071
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	10	0.	4.4	26.	0.	71.822	8.475	0.	0.	6.	24.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	10	0.	0.34	1.415	0.	0.274	0.523	0.	0.	0.721	1.381
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.186								

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

Annual Analysis for 1989 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	12	18.25	15.858	27.	5.8	51.428	7.171	5.86	7.75	20.3	26.01
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	12	241.5	230.583	269.	146.	1436.265	37.898	153.8	214.5	258.	267.2
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.17	8.153	8.3	7.95	0.012	0.111	7.971	8.05	8.26	8.294
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.17	8.139	8.3	7.95	0.012	0.112	7.971	8.05	8.26	8.294
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	12	0.007	0.007	0.011	0.005	0.	0.002	0.005	0.006	0.009	0.011
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	12	2.	12.667	52.	0.	307.152	17.526	0.	0.	21.5	47.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	12	0.301	0.645	1.716	0.	0.523	0.723	0.	0.	1.332	1.675
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.42								

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

Annual Analysis for 1990 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	13	18.	18.708	33.	8.5	73.931	8.598	8.62	11.	26.	32.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	11	230.	177.455	268.	22.	7582.473	87.077	28.2	93.	244.	264.
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	11	8.09	8.092	8.42	7.77	0.044	0.21	7.78	7.9	8.27	8.398
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	11	8.09	8.046	8.42	7.77	0.047	0.216	7.78	7.9	8.27	8.398
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	11	0.008	0.009	0.017	0.004	0.	0.004	0.004	0.005	0.013	0.017
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	11	0.	10.727	62.	0.	427.418	20.674	0.	0.	20.	56.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	11	0.	0.423	1.792	0.	0.536	0.732	0.	0.	1.301	1.745
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.647								

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

Annual Analysis for 1991 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	12	14.85	17.2	31.	7.3	61.8	7.861	7.54	10.375	24.	30.04
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	12	214.5	202.167	240.	102.	1718.333	41.453	116.4	185.5	235.5	239.4
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.18	8.167	8.42	7.91	0.031	0.175	7.916	8.005	8.328	8.399
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.179	8.134	8.42	7.91	0.032	0.178	7.916	8.005	8.327	8.399
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	12	0.007	0.007	0.012	0.004	0.	0.003	0.004	0.005	0.01	0.012
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	11	2.	81.273	800.	0.	57024.218	238.797	0.	2.	20.	649.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	11	0.301	0.813	2.903	0.	0.78	0.883	0.	0.301	1.301	2.659
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.506								

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

Annual Analysis for 1992 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	6	19.	18.467	28.5	10.1	50.519	7.108	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	6	204.5	203.5	247.	151.	1194.3	34.559	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.28	8.284	8.57	8.	0.041	0.202	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.28	8.247	8.57	8.	0.042	0.206	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	5	0.005	0.006	0.01	0.003	0.	0.003	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	5	4.	162.6	800.	1.	126963.8	356.32	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	5	0.602	0.942	2.903	0.	1.27	1.127	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.747								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	6	14.45	17.467	32.5	9.	95.823	9.789	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	6	185.	188.667	290.	118.	3298.667	57.434	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.22	8.187	8.52	7.84	0.056	0.237	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.219	8.132	8.52	7.84	0.06	0.245	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.006	0.007	0.014	0.003	0.	0.004	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	6	9.5	379.167	2150.	0.	754191.367	868.442	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	6	0.889	1.238	3.332	0.	1.562	1.25	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.302								

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

Annual Analysis for 1994 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	7	14.9	17.786	29.	7.7	58.231	7.631	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	6	205.	195.167	259.	125.	3156.967	56.187	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	7	8.54	8.491	9.19	7.9	0.156	0.395	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	7	8.54	8.351	9.19	7.9	0.18	0.424	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	7	0.003	0.004	0.013	0.001	0.	0.004	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	6	4.5	182.167	1040.	2.	176828.167	420.509	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	6	0.651	1.087	3.017	0.301	1.122	1.059	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.219								

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

Annual Analysis for 1995 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	6	16.4	17.	31.5	6.	85.332	9.238	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	6	220.	217.	253.	174.	1346.8	36.699	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	7.9	7.907	8.13	7.68	0.022	0.147	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	7.9	7.886	8.13	7.68	0.022	0.149	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.013	0.013	0.021	0.007	0.	0.004	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	6	2.	7.5	20.	0.	94.3	9.711	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	6	0.301	0.534	1.301	0.	0.371	0.609	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.42								

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

Annual Analysis for 1996 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	4	11.9	14.225	32.	1.1	166.883	12.918	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	4	197.5	194.	225.	156.	1038.	32.218	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	4	7.73	7.76	8.17	7.41	0.154	0.392	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	4	7.64	7.641	8.17	7.41	0.173	0.415	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	4	0.023	0.023	0.039	0.007	0.	0.017	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	4	19.5	22.5	51.	0.	673.667	25.955	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	4	0.79	0.822	1.708	0.	0.903	0.95	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.635								

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	51	21.	20.235	33.	1.1	80.808	8.989	7.62	11.2	28.9	31.
00065	STAGE, STREAM (FEET)	04/10/85-07/22/96	39	1.1	2.049	17.	0.	9.001	3.	0.5	0.8	1.9	4.15
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	32	1.	3.031	43.	0.5	57.158	7.56	0.5	0.625	1.7	6.14
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	50	237.	226.34	318.	69.	2157.004	46.444	172.3	215.25	250.5	267.5
00300	OXYGEN, DISSOLVED MG/L	04/22/85-11/04/96	43	9.8	9.858	15.5	5.4	4.178	2.044	7.52	8.4	10.9	12.94
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	40	8.16	8.116	9.19	7.15	0.106	0.326	7.736	7.98	8.278	8.411
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	40	8.16	7.982	9.19	7.15	0.124	0.352	7.736	7.98	8.278	8.411
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	40	0.007	0.01	0.071	0.001	0.	0.012	0.004	0.005	0.01	0.018
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	27 ##	0.025	0.034	0.11	0.	0.001	0.027	0.008	0.025	0.025	0.082
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/10/85-11/04/96	34	0.025	0.071	0.34	0.005	0.008	0.087	0.005	0.01	0.123	0.225
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/85-09/28/92	20 ##	0.015	0.023	0.13	0.001	0.001	0.032	0.001	0.006	0.017	0.081
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	26	3.	3.115	6.	2.	0.746	0.864	2.	3.	3.	4.3
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	26	6.	6.385	19.	1.	13.286	3.645	3.	4.	7.25	11.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	48	2.	44.75	1040.	0.	34916.787	186.86	0.	0.	5.5	28.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	48	0.301	0.493	3.017	0.	0.54	0.735	0.	0.	0.734	1.444
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.111								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	26 ##	0.015	0.02	0.08	0.	0.	0.017	0.015	0.015	0.015	0.047

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	30	11.	11.943	21.8	5.8	21.556	4.643	6.05	8.3	14.4	19.53
00065	STAGE, STREAM (FEET)	04/10/85-07/22/96	26	3.25	3.483	7.	1.3	2.125	1.458	1.845	2.5	4.018	6.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	17	2.4	3.994	18.	0.1	20.746	4.555	0.58	1.1	6.4	10.64
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	27	174.	172.667	269.	53.	2014.231	44.88	118.6	145.	196.	238.8
00300	OXYGEN, DISSOLVED MG/L	04/22/85-11/04/96	28	11.	10.996	15.8	8.	2.451	1.565	9.05	10.05	11.775	13.01
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	24	8.17	8.141	8.55	7.44	0.088	0.297	7.725	7.915	8.342	8.54
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	24	8.17	8.036	8.55	7.44	0.099	0.315	7.725	7.915	8.342	8.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	24	0.007	0.009	0.036	0.003	0.	0.008	0.003	0.005	0.012	0.019
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	18 ##	0.025	0.051	0.21	0.	0.003	0.052	0.	0.025	0.085	0.111
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/10/85-11/04/96	18	0.11	0.129	0.49	0.01	0.013	0.113	0.028	0.058	0.158	0.301
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/85-09/28/92	12	0.012	0.024	0.074	0.001	0.001	0.027	0.001	0.002	0.054	0.07
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	16	3.	2.625	4.	2.	0.383	0.619	2.	2.	3.	3.3
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	18	6.	6.111	10.	3.	3.987	1.997	3.	5.	7.25	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	28	0.5	37.071	800.	0.	22596.81	150.322	0.	0.	19.	40.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	28	0.	0.547	2.903	0.	0.604	0.777	0.	0.	1.277	1.601
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.525								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	18 ##	0.015	0.016	0.03	0.	0.	0.008	0.	0.015	0.015	0.03

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-11/04/96	17	25.	24.153	30.5	18.1	15.37	3.92	18.34	20.65	27.6	29.3
00065	STAGE, STREAM (FEET)	04/10/85-07/22/96	12	2.4	2.358	4.5	0.8	1.166	1.08	0.92	1.425	3.	4.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/88-11/04/96	9	1.4	13.411	99.	0.7	1035.554	32.18	0.7	0.75	6.2	99.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-11/04/96	17	219.	203.	266.	22.	3088.375	55.573	121.2	191.5	237.5	245.2
00300	OXYGEN, DISSOLVED MG/L	04/22/85-11/04/96	12	8.45	8.308	10.	6.1	1.823	1.35	6.13	7.3	9.625	9.94
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	12	7.97	8.017	8.53	7.63	0.053	0.23	7.693	7.893	8.13	8.455
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	12	7.97	7.966	8.53	7.63	0.056	0.236	7.693	7.892	8.13	8.455
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	12	0.011	0.011	0.023	0.003	0.	0.005	0.004	0.007	0.013	0.021
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	9	0.025	0.042	0.135	0.	0.002	0.04	0.	0.023	0.061	0.135

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/10/85-11/04/96	10	0.08	0.157	0.73	0.01	0.046	0.215	0.01	0.04	0.205	0.682
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/85-09/28/92	5 ##	0.015	0.012	0.019	0.001	0.	0.007	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	7	2.	2.429	3.	2.	0.286	0.535	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	8	6.	5.625	8.	3.	2.554	1.598	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	17	12.	145.941	2150.	0.	267224.059	516.937	1.6	3.	44.	492.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-11/04/96	17	1.079	1.111	3.332	0.	0.682	0.826	0.241	0.452	1.642	2.18
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.923								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	8 ##	0.015	0.025	0.093	0.	0.001	0.029	**	**	**	**

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

Station Inventory for Station: BUFF0101

NPS Station ID: BUFF0101
LAT/LON: 35.969726/ -92.886116
Agency: 11TRAIN
Date Created: 02/22/97
Location: BUFFALO RIVER
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055865
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0101

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: BUFF0102

NPS Station ID: BUFF0102 LAT/LON: 35.968060/ -92.888892 Agency: 1116APCC Date Created: 02/03/90
Location: RICHLAND CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS018 /BUFT09 /4J00030
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISISSIPPI RIVER Elevation: 195 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 2.20 On/Off RF1:
RF3 Index: 11010005000501.23 RF3 Mile Point: 1.23 Distance from RF3: 0.01 On/Off RF3:
Description:
POINT LOCATION: UPSTREAM FROM THE MOUTH APPROX 0.1 MILES -- ACCESS VIA UNPAVED ROAD FROM NORTH AT WOOLUM RIVER
ACCESS -- DURING HIGHWATER VEHICLE ACCESS LIMITED

Parameter Inventory for Station: BUFF0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/10/96	73	19.8	19.055	30.	5.4	48.071	6.933	9.7	11.9	25.	28.56
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/90-02/25/91	3	36.	26.333	39.	4.	376.333	19.399	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/08/90-11/27/95	18	83.5	110.444	279.	0.	8448.379	91.915	3.6	24.5	192.75	268.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/08/93-12/10/96	9	85.	118.667	272.	1.	10004.75	100.024	1.	22.5	207.5	272.
00065	STAGE, STREAM (FEET)	04/22/85-01/22/96	45	-0.14	59.632	2702.	-90.99	162665.241	403.318	0.124	0.71	-0.85	-3.402
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/10/96	45	2.7	3.62	19.6	0.9	10.465	3.235	1.2	1.5	4.55	6.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/10/96	72	133.5	139.625	308.	48.	3854.97	62.088	71.3	85.25	186.25	225.9
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/10/96	53	10.	10.2	16.5	6.7	2.732	1.653	8.32	9.2	11.	12.04
00400	PH (STANDARD UNITS)	06/18/87-12/10/96	56	7.96	7.983	8.94	7.41	0.086	0.294	7.607	7.783	8.155	8.304
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-12/10/96	56	7.96	7.899	8.94	7.41	0.094	0.306	7.607	7.782	8.155	8.304
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-12/10/96	56	0.011	0.013	0.039	0.001	0.	0.008	0.005	0.007	0.017	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/93-12/06/93	4	77.5	70.	83.	42.	359.333	18.956	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-06/03/96	28	0.025	0.045	0.2	0.	0.002	0.039	0.019	0.025	0.06	0.091
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-07/30/90	7	0.3	0.294	0.4	0.1	0.011	0.106	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-06/03/96	30	0.035	0.055	0.4	0.01	0.006	0.076	0.01	0.01	0.06	0.128
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-09/28/92	11 ##	0.015	0.014	0.021	0.007	0.	0.004	0.007	0.011	0.015	0.021
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	7	54.	62.143	83.	42.	281.143	16.767	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/90-06/03/96	23	2.	1.891	3.	0.5	0.499	0.706	1.	1.	2.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/90-06/03/96	24	5.	5.625	13.	2.	6.592	2.568	2.	4.	6.	10.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/85-07/15/87	5	60.	90.	160.	20.	3800.	61.644	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/85-07/15/87	5	1.778	1.848	2.204	1.301	0.136	0.369	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			70.39								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	69	18.	58.203	1040.	0.	24905.223	157.814	0.	6.	36.	109.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	69	1.255	1.175	3.017	0.	0.493	0.702	0.	0.778	1.556	2.037
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.963								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/90-06/03/96	27 ##	0.015	0.02	0.081	0.	0.	0.018	0.008	0.015	0.015	0.056
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	8	3.9	8.175	36.	2.3	128.819	11.35	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	45	0	0.00	24	0	0.00	10	0	0.00	11	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	53	0	0.00	25	0	0.00	16	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	56	0	0.00	29	0	0.00	13	0	0.00	14	0	0.00			
		Other-Lo Lim.	6.5	56	0	0.00	29	0	0.00	13	0	0.00	14	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	30	0	0.00	13	0	0.00	9	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	23	0	0.00	10	0	0.00	8	0	0.00	5	0	0.00			
		Drinking Water	250.	23	0	0.00	10	0	0.00	8	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	24	0	0.00	9	0	0.00	9	0	0.00	6	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	69	3	0.04	33	3	0.09	16	0	0.00	20	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	8	0	0.00	2	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/10/96	36	23.45	21.006	30.	9.4	48.406	6.957	10.17	14.825	26.6	29.65
00065	STAGE, STREAM (FEET)	04/22/85-01/22/96	22	-0.62	121.903	2702.	-90.99	332874.1	576.952	0.51	-0.18	-2.783	-36.609
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/10/96	24	2.25	3.3	11.9	0.9	7.256	2.694	1.1	1.325	4.55	6.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/10/96	36	178.5	170.917	308.	48.	3857.05	62.105	75.4	136.5	210.25	236.3
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/10/96	25	9.7	9.956	13.8	6.7	2.922	1.709	7.86	8.85	10.9	12.6
00400	PH (STANDARD UNITS)	06/18/87-12/10/96	29	7.96	8.04	8.94	7.53	0.111	0.333	7.63	7.825	8.21	8.56
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-12/10/96	29	7.96	7.941	8.94	7.53	0.121	0.348	7.63	7.825	8.21	8.56
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-12/10/96	29	0.011	0.011	0.03	0.001	0.	0.007	0.003	0.006	0.015	0.023
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	33	20.	92.576	1040.	0.	49349.752	222.148	0.	5.	38.	413.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	33	1.301	1.234	3.017	0.	0.679	0.824	0.	0.69	1.579	2.525
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.126								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/10/96	17	11.	11.082	16.	5.4	8.695	2.949	6.6	9.25	13.	16.
00065	STAGE, STREAM (FEET)	04/22/85-01/22/96	10	0.445	0.185	0.95	-0.25	0.13	0.361	0.023	0.088	-0.063	-0.235
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/10/96	10	3.4	3.51	4.6	2.2	0.83	0.911	2.23	2.65	4.5	4.59
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/10/96	16	75.5	77.938	103.	50.	209.129	14.461	57.	68.75	89.75	100.2
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/10/96	16	11.	11.175	16.5	9.2	2.803	1.674	9.55	10.2	11.7	13.7
00400	PH (STANDARD UNITS)	06/18/87-12/10/96	13	7.96	7.882	8.21	7.41	0.05	0.223	7.478	7.75	8.045	8.154
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-12/10/96	13	7.96	7.824	8.21	7.41	0.053	0.231	7.478	7.75	8.045	8.154
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-12/10/96	13	0.011	0.015	0.039	0.006	0.	0.009	0.007	0.009	0.018	0.034
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	16	8.	22.563	166.	0.	1653.463	40.663	0.	3.25	23.5	84.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	16	0.903	0.952	2.22	0.	0.369	0.607	0.	0.508	1.362	1.855
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.946								

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/10/96	20	22.85	22.32	29.	16.8	10.37	3.22	17.66	19.8	25.	25.45
00065	STAGE, STREAM (FEET)	04/22/85-01/22/96	13	-0.08	-0.022	0.72	-0.98	0.184	0.429	0.056	0.43	-0.18	-0.716
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/10/96	11	2.5	4.418	19.6	1.1	27.654	5.259	1.2	1.6	5.1	16.76
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/10/96	20	131.	132.65	271.	80.	2024.239	44.992	89.1	99.	145.25	213.2
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/10/96	12	9.5	9.408	10.3	8.2	0.515	0.718	8.32	8.675	10.075	10.27
00400	PH (STANDARD UNITS)	06/18/87-12/10/96	14	7.96	7.958	8.36	7.52	0.063	0.25	7.56	7.748	8.175	8.285
00400	CONVERTED PH (STANDARD UNITS)	06/18/87-12/10/96	14	7.959	7.89	8.36	7.52	0.068	0.26	7.56	7.747	8.175	8.285
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/87-12/10/96	14	0.011	0.013	0.03	0.004	0.	0.008	0.005	0.007	0.018	0.028
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	20	24.5	30.	109.	0.	754.737	27.472	2.4	6.5	44.	75.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/10/96	20	1.385	1.257	2.037	0.	0.276	0.525	0.349	0.809	1.643	1.876
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.068								

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

Station Inventory for Station: BUFF0103

NPS Station ID: BUFF0103 LAT/LON: 35.978059/ -92.900004 Agency: 21ARUNFA Date Created: 10/06/79
Location: ROUGHEDGE HOLLOW APPR 0.5 MI FR BUFFALO R CONF FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF116
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005007 RF1 Mile Point: 0.580 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000701.52 RF3 Mile Point: 4.17 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ROUGHEDGE HOLLOW APPR 0.5 MILE FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	653.	653.	653.	653.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	385.	385.	385.	385.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	213.	213.	213.	213.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	437.	437.	437.	437.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	5600.	5600.	5600.	5600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0104

NPS Station ID: BUFF0104 LAT/LON: 35.967504/ -92.911115 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R NEAR RICHLAND VALLEY AND ROUGHEDGE FOR FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF115
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005007 RF1 Mile Point: 1.740 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000702.43 RF3 Mile Point: 3.96 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER NEAR RICHLAND VALLEY AND APPR 0.5 MILE FROM ROUGHEDGE FORD

Parameter Inventory for Station: BUFF0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1665.	1665.	1665.	1665.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	133.	133.	133.	133.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.79	0.79	0.79	0.79	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	374.	374.	374.	374.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	10400.	10400.	10400.	10400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0105

NPS Station ID: BUFF0105 LAT/LON: 35.967781/ -92.914170 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER APPR 2.4 MI BELOW CANE BRANCH FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF114
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005007 RF1 Mile Point: 1.840 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005000702.43 RF3 Mile Point: 2.73 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER APPR 2.4 MILES BELOW CANE BRANCH

Parameter Inventory for Station: BUFF0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	2140.	2140.	2140.	2140.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	578.	578.	578.	578.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	659.	659.	659.	659.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	57.	57.	57.	57.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	15600.	15600.	15600.	15600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0106

NPS Station ID: BUFF0106 LAT/LON: 35.970004/ -92.922505 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER APPR 1.3 MI BELOW CANE BRANCH FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF113
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005007 RF1 Mile Point: 2.490 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005073100.00 RF3 Mile Point: 0.59 Distance from RF3: 0.17 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER APPR 1.3 MILES BELOW CANE BRANCH

Parameter Inventory for Station: BUFF0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	9075.	9075.	9075.	9075.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1038.	1038.	1038.	1038.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.92	0.92	0.92	0.92	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	261.	261.	261.	261.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	2285.	2285.	2285.	2285.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	3900.	3900.	3900.	3900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0107

NPS Station ID: BUFF0107 LAT/LON: 35.986671/ -92.927226 Agency: 21ARUNFA Date Created: 10/06/79
Location: CAVE BRANCH APPR 200 FEET FROM BUFFALO RIVER CON FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF111
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005007 RF1 Mile Point: 3.780 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005004404.23 RF3 Mile Point: 4.49 Distance from RF3: 0.09 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CAVE BRANCH APPR 200 FEET FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	6250.	6250.	6250.	6250.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.85	1.85	1.85	1.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	302.	302.	302.	302.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	11100.	11100.	11100.	11100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0108

NPS Station ID: BUFF0108
LAT/LON: 35.796670/ -92.927782
Agency: 1116APCC
Date Created: 08/06/94
Location: RICHLAND CREEK N.E. OF MOORE AR
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 050364 /LRC01 /4J00044
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SW LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ARK RIVER - TULSA TO VAN BUREN
ECO Region: 37G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:
RICHLAND CREEK NEAR CONVERGENCE W/ FALLING WATER CREEK N.E. OF MOORE AR ON ROAD 1205
U.S. FOREST SERVICE WP STATION RICHLAND CREEK WILDERNESS

Parameter Inventory for Station: BUFF0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/94-07/31/95	4	14.35	15.125	26.8	5.	86.209	9.285	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/95-07/31/95	2	26.5	26.5	32.	21.	60.5	7.778	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/13/95-03/13/95	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/17/94-07/31/95	3	7.66	7.673	7.72	7.64	0.002	0.042	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/17/94-07/31/95	3	7.66	7.672	7.72	7.64	0.002	0.042	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/94-07/31/95	3	0.022	0.021	0.023	0.019	0.	0.002	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/14/94-07/31/95	5 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/14/94-07/31/95	5	0.02	0.03	0.05	0.01	0.	0.019	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/14/94-02/14/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/14/94-07/31/95	5	2.	1.5	2.	0.5	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/14/94-07/31/95	5	2.	3.4	9.	0.5	13.175	3.63	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/14/94-07/31/95	5	0.039	0.032	0.051	0.015	0.	0.016	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	3	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00	2	0	0.00						
		Drinking Water	250.	5	0	0.00	3	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00	2	0	0.00						

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

Station Inventory for Station: BUFF0109

NPS Station ID: BUFF0109
LAT/LON: 35.796949/ -92.928615
Agency: 11TRAIN
Date Created: 02/22/97
Location: RICHLAND CREE
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055875
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0109

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: BUFF0110

NPS Station ID: BUFF0110
LAT/LON: 35.796949/ -92.928615
Agency: 112WRD
Date Created: 12/28/94
Location: RICHLAND CREEK NEAR WITTS SPRING, AR
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055875
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/17/94-08/24/94	2	19.3	19.3	23.2	15.4	30.42	5.515	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/17/94-05/17/94	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	05/17/94-08/24/94	2	743.5	743.5	744.	743.	0.5	0.707	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/17/94-05/17/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/17/94-08/24/94	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/17/94-08/24/94	2	79.5	79.5	126.	33.	4324.5	65.761	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/17/94-08/24/94	2	8.75	8.75	8.9	8.6	0.045	0.212	**	**	**	**
00400	PH (STANDARD UNITS)	05/17/94-08/24/94	2	7.61	7.61	7.72	7.5	0.024	0.156	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/17/94-08/24/94	2	7.596	7.596	7.72	7.5	0.025	0.157	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/17/94-08/24/94	2	0.025	0.025	0.032	0.019	0.	0.009	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/17/94-08/24/94	2	7.35	7.35	7.4	7.3	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/17/94-08/24/94	2	7.347	7.347	7.4	7.3	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/17/94-08/24/94	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/17/94-08/24/94	2	39.5	39.5	57.	22.	612.5	24.749	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/17/94-08/24/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/17/94-08/24/94	2	46.5	46.5	68.	25.	924.5	30.406	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/17/94-08/24/94	2 ##	0.018	0.018	0.03	0.005	0.	0.018	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/17/94-08/24/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/17/94-08/24/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/17/94-08/24/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/17/94-08/24/94	2 ##	0.038	0.038	0.05	0.025	0.	0.018	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/17/94-08/24/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/17/94-08/24/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/17/94-08/24/94	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/17/94-08/24/94	2	1.45	1.45	2.1	0.8	0.845	0.919	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/17/94-08/24/94	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/17/94-08/24/94	2	11.5	11.5	19.	4.	112.5	10.607	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/17/94-08/24/94	2	1.4	1.4	2.	0.8	0.72	0.849	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/17/94-08/24/94	2	1.25	1.25	1.6	0.9	0.245	0.495	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/17/94-08/24/94	2	0.65	0.65	0.9	0.4	0.125	0.354	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/17/94-08/24/94	2	0.9	0.9	1.	0.8	0.02	0.141	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/17/94-08/24/94	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/94-08/24/94	2 ##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/17/94-08/24/94	2	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/17/94-08/24/94	2	20.5	20.5	36.	5.	480.5	21.92	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/17/94-08/24/94	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/17/94-05/17/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-08/24/94	2	29.	29.	31.	27.	8.	2.828	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	05/17/94-08/24/94	2	1.461	1.461	1.491	1.431	0.002	0.042	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			28.931								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/17/94-08/24/94	2 ##	15.25	15.25	29.	1.5	378.125	19.445	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/17/94-08/24/94	2 ##	0.819	0.819	1.462	0.176	0.827	0.91	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			6.595								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-08/24/94	2	205.	205.	250.	160.	4050.	63.64	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/17/94-08/24/94	2	2.301	2.301	2.398	2.204	0.019	0.137	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			200.								
34253	A-BHC-ALPHA DISSUG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/17/94-08/24/94	2	38.	38.	55.	21.	578.	24.042	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/17/94-05/17/94	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	05/17/94-05/17/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49235	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49237	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49238	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49239	INVALID PARAMETER	08/19/92-08/19/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49240	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
49241	INVALID PARAMETER	08/19/92-08/19/92	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
49242	INVALID PARAMETER	08/19/92-08/19/92	1	694.	694.	694.	694.	0.	0.	**	**	**	**
49243	INVALID PARAMETER	08/19/92-08/19/92	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
49244	INVALID PARAMETER	08/19/92-08/19/92	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
49245	INVALID PARAMETER	08/19/92-08/19/92	1	56.9	56.9	56.9	56.9	0.	0.	**	**	**	**
49246	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49247	INVALID PARAMETER	08/19/92-08/19/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49248	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49249	INVALID PARAMETER	08/19/92-08/19/92	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
49250	INVALID PARAMETER	08/19/92-08/19/92	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
49251	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49252	INVALID PARAMETER	08/19/92-08/19/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
49253	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49254	INVALID PARAMETER	08/19/92-08/19/92	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
49255	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49257	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49258	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49264	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
49273	INVALID PARAMETER	08/19/92-08/19/92	1	70.7	70.7	70.7	70.7	0.	0.	**	**	**	**
49289	INVALID PARAMETER	08/19/92-08/19/92	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
49291	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49311	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49353	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49354	INVALID PARAMETER	08/19/92-08/19/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49355	INVALID PARAMETER	08/19/92-08/19/92	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
49356	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49357	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49358	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49359	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49360	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49361	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49362	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49363	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49364	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49365	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49366	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49367	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49368	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49369	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49370	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49371	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49372	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49373	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49374	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49375	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49376	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49377	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49378	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49379	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49380	INVALID PARAMETER	08/19/92-08/19/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49465	INVALID PARAMETER	08/19/92-08/19/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/17/94-08/24/94	2	50.5	50.5	70.	31.	760.5	27.577	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/17/94-08/24/94	2	49.5	49.5	72.	27.	1012.5	31.82	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/17/94-08/24/94	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/17/94-05/17/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/17/94-05/17/94	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/17/94-05/17/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	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			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00				1	0	0.00			
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.	2	0	0.00	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: BUFF0111

NPS Station ID: BUFF0111
LAT/LON: 35.963337/ -92.932227
Agency: 21ARUNFA
Date Created: 10/06/79
Location: SMALL CREEK 1.3 MI BELOW CANE BRANCH
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF112
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005007
RF1 Mile Point: 2.850
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005003500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.18
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM SMALL CREEK 1.3 MILES BELOW CANE BRANCH

Parameter Inventory for Station: BUFF0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	6275.	6275.	6275.	6275.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1208.	1208.	1208.	1208.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	284.	284.	284.	284.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.64	1.64	1.64	1.64	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	640.	640.	640.	640.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	115.	115.	115.	115.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0112

NPS Station ID: BUFF0112
LAT/LON: 35.729170/ -92.943338
Agency: 1118ATL8
Date Created: 06/30/79
Location: FALLING WATER CR.- SITE G-ABOVE
FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 100201 /10007070110
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 1
Aquifer:
Major Basin: SO-CEN-LOW MISSISSIPPI-R
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005024
RF1 Mile Point: 21.050
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005002607.48
RF3 Mile Point: 7.59
Distance from RF3: 0.04
On/Off RF3:
Description:
THIS STATION WAS ESTABLISHED TO MONITOR THE EFFECT OF FORD-TYPE ROAD CROSSINGS ON STREAM QUALITY. THIS STATION MAY BE CONSIDERED AS BACKGROUND, AS THE NATIVE MATERIAL FORD LIES APPROX. 100 FT. DOWNSTREAM THE STATION IS MAINTAINED BY' US FOREST SERVICE/ PO BOX 1008/ RUSSELLVILLE, AR. 72801. RELATED STATIONS INCLUDE' 100202, 100203, 100205, AND 100206.

Parameter Inventory for Station: BUFF0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	04/23/79-05/04/79	2	0.1	0.1	0.2	0.	0.02	0.141	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/23/79-06/15/79	6	0.17	0.298	1.	0.01	0.144	0.379	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/23/79-06/15/79	6	2.45	2.85	5.	2.1	1.187	1.089	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/79-06/05/79	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: BUFF0112

			Total	Exceed	Prop.	7/15-1/09			10/10-5/09			5/10-7/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	6	0	0.00				3	0	0.00	3	0	0.00			

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

Station Inventory for Station: BUFF0113

NPS Station ID: BUFF0113 LAT/LON: 35.729170/ -92.943338 Agency: 1118ATL8 Date Created: 06/30/79
Location: UNNAMED TRIB TO FALLING WATER CR./SITE G/ BELOW FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 100202 /170000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 1 Aquifer:
Major Basin: SO-CEN-LOW MISSISSIPPI-R Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005024 RF1 Mile Point: 21.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005004404.23 RF3 Mile Point: 4.49 Distance from RF3: 0.09 On/Off RF3:
Description:
THIS STATION WAS ESTABLISHED TO MONITOR THE EFFECT OF FORD-TYPE ROAD CROSSINGS ON STREAM WATER QUALITY. THIS STATION MAY BE CONSIDERED AS IMPACTED, AS THE NATIVE MATERIAL FORD LIES APPROX. 100 FT. UPSTREAM. THE STATION IS MAINTAINED BY' US FOREST SERVICE/PO BOX 1008/RUSSELLVILLE , ARKANSAS 728019 RELATED STATIONS INCLUDE' 100201, 100203, 100204, 100205, AND 100206.

Parameter Inventory for Station: BUFF0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	04/24/79-05/05/79	3	0.07	0.4	1.13	0.	0.401	0.633	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/24/79-06/15/79	19	0.3	0.317	1.	0.01	0.095	0.308	0.01	0.01	0.5	1.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/24/79-06/15/79	19	6.4	6.211	14.	1.2	10.358	3.218	2.9	3.4	7.8	11.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/79-06/08/79	3	16.	12.	17.	3.	61.	7.81	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0113

				Total	Exceed	Prop.	7/15-1/09			10/10-5/09			5/10-7/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	0	0.00				4	0	0.00	15	0	0.00			

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

Station Inventory for Station: BUFF0114

NPS Station ID: BUFF0114 LAT/LON: 35.723337/ -92.950005 Agency: 1118ATL8 Date Created: 06/30/79
Location: UNNAMED TRIB. TO FALLING WATER CR./SITE F/ABOVE FIPS State/County: 05115 ARKANSAS/POPE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 100203
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 1 Aquifer:
Major Basin: SO-CEN-LOW MISSISSIPPI-R Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005024 RF1 Mile Point: 21.050 Distance from RF1: 12.70 On/Off RF1: OFF
RF3 Index: 11010004026200.00 RF3 Mile Point: 1.33 Distance from RF3: 0.56 On/Off RF3:
Description:
THIS STATION WAS ESTABLISHED TO MONITOR THE EFFECT OF FORD-TYPE ROAD CROSSINGS ON STREAM WATER QUALITY. THIS STATION MAY BE CONSIDERED AS BACKGROUND, AS THE CONCRETE PAVED FORD LIES APPROX 30 FT. DOWNSTREAM. THE STATION IS MAINTAINED BY' US FOREST SERVICE/PO BOX 1008/RUSSELLVILLE , AR. 72801. RELATED STATIONS INCLUDE' 100201, 100202, 100204, 100205, AND 100206.

Parameter Inventory for Station: BUFF0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	05/22/79-06/02/79	3	0.	0.177	0.53	0.	0.094	0.306	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/04/79-06/15/79	7	5.	8.486	20.	0.4	49.851	7.061	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/79-06/15/79	7	4.7	6.443	12.	3.5	14.743	3.84	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/79-06/08/79	3	7.	9.333	19.	2.	76.333	8.737	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0114

				Total	Exceed	Prop.	7/15-1/09			10/10-5/09			5/10-7/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	7	0	0.00				1	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: BUFF0115

NPS Station ID: BUFF0115 LAT/LON: 35.723337/ -92.950005 Agency: 1118ATL8 Date Created: 06/30/79
Location: UNNAMED TRIB. TO FALLING WATER CR./SITE F/ BELOW FIPS State/County: 05115 ARKANSAS/POPE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 100204
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 1 Aquifer:
Major Basin: SO-CEN-LOW MISSISSIPPI-R Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005024 RF1 Mile Point: 21.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005033200.00 RF3 Mile Point: 0.01 Distance from RF3: 0.02 On/Off RF3:
Description:
THIS STATION WAS ESTABLISHED TO MONITOR THE EFFECT OF FORD-TYPE ROAD CROSSINGS ON STREAM WATER QUALITY. THIS STATION MAY BE CONSIDERED AS IMPACTED, AS THE CONCRETE PAVED FORD LIES APPROX 60 FT. UPSTREAM. THE STATION IS MAINTAINED BY' US FOREST SERVICE/PO BOX 1008/ RUSSELLVILLE, AR. 72801. RELATED STATIONS INCLUDE' 100201, 100202, 100203, 100205, AND 100206.

Parameter Inventory for Station: BUFF0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	05/21/79-06/01/79	4	0.05	0.288	1.05	0.	0.261	0.511	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/04/79-06/15/79	20	5.	5.4	11.	0.4	12.505	3.536	0.4	1.3	9.	9.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/79-06/15/79	20	3.9	4.275	10.	2.8	2.335	1.528	3.02	3.525	4.5	5.74
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/30/79-06/05/79	2	7.	7.	11.	3.	32.	5.657	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0115

			Total	Exceed	Prop.	7/15-1/09			10/10-5/09			5/10-7/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	20	0	0.00				1	0	0.00	19	0	0.00			

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

Station Inventory for Station: BUFF0116

NPS Station ID: BUFF0116
LAT/LON: 36.014448/ -92.950559
Agency: 1116APCC
Date Created: 02/03/90
Location: MITCH HILL SPRING
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 05NPS032 /BUFS33 /4J00020
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 213
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 11010005005900.00
RF3 Mile Point: 0.27
Distance from RF3: 0.14
On/Off RF3:
Description:
POINT LOCATION: 0.4 MILES NORTH OF MT. HERSEY RIVER ACCESS ON THE EAST SIDE OF THE ROAD

Parameter Inventory for Station: BUFF0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/85-12/02/96	80	14.8	14.766	18.	11.3	2.107	1.451	12.91	13.8	16.	16.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/90-06/06/94	4	23.3	21.65	36.	4.	209.823	14.485	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/16/90-11/13/95	22	9.	9.364	31.	2.	41.957	6.477	2.3	4.	12.	16.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	10	6.5	8.3	16.	1.	32.456	5.697	1.2	3.75	15.	15.9
00065	STAGE, STREAM (FEET)	07/08/86-02/26/96	23	0.44	-0.799	2.74	-5.95	7.214	2.686	0.268	0.3	2.74	-5.904
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-12/02/96	50	0.75	1.052	6.	0.3	0.901	0.949	0.4	0.6	1.225	2.28
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/85-12/02/96	78	384.5	380.051	452.	273.	1263.686	35.548	330.	355.75	405.	430.
00300	OXYGEN, DISSOLVED MG/L	08/12/87-12/02/96	62	8.15	8.402	13.2	5.7	1.815	1.347	7.03	7.5	9.025	10.08
00400	PH (STANDARD UNITS)	06/15/87-12/02/96	67	7.35	7.362	7.95	6.3	0.048	0.219	7.16	7.26	7.5	7.596
00400	CONVERTED PH (STANDARD UNITS)	06/15/87-12/02/96	67	7.35	7.285	7.95	6.3	0.054	0.233	7.16	7.26	7.5	7.596
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/87-12/02/96	67	0.045	0.052	0.501	0.011	0.003	0.058	0.025	0.032	0.055	0.069
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/87-11/08/93	7	209.	213.714	235.	199.	158.571	12.593	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/15/87-09/09/96	43 ##	0.025	0.048	0.33	0.	0.004	0.061	0.01	0.025	0.056	0.11
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/15/87-01/13/92	6 ##	0.145	0.177	0.4	0.05	0.019	0.139	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/87-09/09/96	44	0.58	0.57	1.2	0.18	0.052	0.228	0.21	0.44	0.735	0.835
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/15/87-09/28/92	14 ##	0.015	0.017	0.06	0.001	0.	0.016	0.002	0.005	0.016	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/15/87-08/19/87	3	1.5	2.2	4.5	0.6	4.17	2.042	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	8	213.5	213.125	239.	188.	384.982	19.621	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	06/15/87-08/19/87	3	40.	49.	71.	36.	367.	19.157	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	06/15/87-08/19/87	3	8.	7.333	8.	6.	1.333	1.155	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	06/15/87-12/16/91	4	2.	1.513	2.	0.05	0.951	0.975	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	06/15/87-08/19/87	3	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/15/87-09/09/96	42	3.	3.188	9.	0.9	1.486	1.219	2.	3.	3.25	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/87-09/09/96	45	6.	6.578	12.	2.	5.431	2.331	4.	5.	8.	9.8
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/15/87-08/19/87	3	60.	51.667	90.	5.	1858.333	43.108	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	06/15/87-08/19/87	3	10.	33.333	80.	10.	1633.333	40.415	**	**	**	**

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

Parameter Inventory for Station: BUFF0116

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	07/14/87-07/21/87	2	25.	25.	50.	0.	1250.	35.355	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/14/87-07/21/87	2	0.849	0.849	1.699	0.	1.443	1.201	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7.071								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	75	2.	9.16	206.	0.	635.677	25.213	0.	1.	8.	16.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	75	0.301	0.552	2.314	0.	0.276	0.525	0.	0.	0.903	1.204
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.568								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/15/87-09/09/96	42 ##	0.015	0.025	0.138	0.	0.001	0.027	0.015	0.015	0.03	0.041
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	12	0.75	0.925	1.9	0.5	0.238	0.488	0.53	0.6	1.1	1.9

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

EPA Water Quality Criteria Analysis for Station: BUFF0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	50	0	0.00	27	0	0.00	11	0	0.00	12	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	62	0	0.00	33	0	0.00	17	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	67	0	0.00	34	0	0.00	16	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	67	1	0.01	34	1	0.03	16	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	44	0	0.00	21	0	0.00	14	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	20	0	0.00	13	0	0.00	9	0	0.00			
		Drinking Water	250.	42	0	0.00	20	0	0.00	13	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	45	0	0.00	21	0	0.00	15	0	0.00	9	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	0	0.00	1	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	75	1	0.01	40	1	0.03	15	0	0.00	20	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/85-12/02/96	44	15.05	15.18	18.	11.9	1.871	1.368	13.5	14.1	16.075	17.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-12/02/96	27	0.6	1.1	6.	0.3	1.405	1.185	0.3	0.5	1.3	2.62
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/85-12/02/96	44	393.	389.773	452.	322.	1094.691	33.086	344.5	362.25	410.75	434.
00300	OXYGEN, DISSOLVED MG/L	08/12/87-12/02/96	33	8.1	8.403	13.2	5.7	1.938	1.392	7.04	7.45	9.25	10.26
00400	PH (STANDARD UNITS)	06/15/87-12/02/96	34	7.3	7.284	7.68	6.3	0.053	0.23	7.105	7.2	7.408	7.5
00400	CONVERTED PH (STANDARD UNITS)	06/15/87-12/02/96	34	7.3	7.189	7.68	6.3	0.062	0.25	7.105	7.2	7.408	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/87-12/02/96	34	0.05	0.065	0.501	0.021	0.006	0.079	0.032	0.039	0.063	0.079
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/15/87-09/09/96	20 ##	0.025	0.039	0.19	0.	0.002	0.042	0.01	0.025	0.047	0.096
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/87-09/09/96	21	0.66	0.669	1.2	0.42	0.03	0.175	0.472	0.515	0.74	0.878
00940	CHLORIDE,TOTAL IN WATER MG/L	06/15/87-09/09/96	20	3.	3.15	5.	2.	0.45	0.671	2.1	3.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/87-09/09/96	21	6.	6.048	11.	2.	4.848	2.202	4.	4.	7.5	9.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	40	4.	13.925	206.	0.	1139.046	33.75	0.	2.	12.75	38.9
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	40	0.602	0.685	2.314	0.	0.331	0.575	0.	0.301	1.105	1.588
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.842								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/15/87-09/09/96	18 ##	0.015	0.029	0.138	0.015	0.001	0.029	0.015	0.015	0.036	0.054

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/85-12/02/96	16	13.	13.025	14.	11.3	0.483	0.695	12.	12.575	13.725	13.86
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-12/02/96	11	0.7	0.809	1.6	0.4	0.131	0.362	0.42	0.6	1.	1.54
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/85-12/02/96	15	364.	355.067	420.	273.	1677.352	40.955	283.2	319.	383.	400.8
00300	OXYGEN, DISSOLVED MG/L	08/12/87-12/02/96	17	8.7	9.041	12.3	7.2	1.554	1.247	7.84	8.2	9.65	11.42
00400	PH (STANDARD UNITS)	06/15/87-12/02/96	16	7.455	7.478	7.95	7.24	0.036	0.19	7.261	7.35	7.543	7.852
00400	CONVERTED PH (STANDARD UNITS)	06/15/87-12/02/96	16	7.455	7.444	7.95	7.24	0.037	0.193	7.261	7.35	7.542	7.852
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/87-12/02/96	16	0.035	0.036	0.058	0.011	0.	0.013	0.014	0.029	0.045	0.055
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/15/87-09/09/96	15 ##	0.025	0.062	0.33	0.	0.008	0.089	0.	0.025	0.062	0.246
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/87-09/09/96	14	0.485	0.476	0.81	0.18	0.046	0.214	0.185	0.258	0.69	0.79
00940	CHLORIDE,TOTAL IN WATER MG/L	06/15/87-09/09/96	13	3.	3.462	9.	2.	3.103	1.761	2.	3.	3.5	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/87-09/09/96	15	8.	7.933	12.	5.	5.352	2.314	5.	6.	9.	12.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	15	1.	2.133	12.	0.	9.124	3.021	0.	0.	2.	7.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	15	0.	0.232	1.079	0.	0.103	0.321	0.	0.	0.301	0.793
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.708								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/15/87-09/09/96	15 ##	0.015	0.024	0.13	0.	0.001	0.031	0.009	0.015	0.015	0.077

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/85-12/02/96	20	15.	15.25	17.	13.8	0.948	0.974	14.	14.45	16.	16.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/88-12/02/96	12	0.9	1.167	2.9	0.6	0.495	0.704	0.6	0.7	1.5	2.66
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/85-12/02/96	19	377.	377.263	430.	329.	726.649	26.956	330.	356.	394.	418.
00300	OXYGEN, DISSOLVED MG/L	08/12/87-12/02/96	12	7.65	7.492	8.4	6.1	0.632	0.795	6.13	6.9	8.1	8.4
00400	PH (STANDARD UNITS)	06/15/87-12/02/96	17	7.37	7.41	7.79	7.16	0.026	0.161	7.224	7.29	7.52	7.67
00400	CONVERTED PH (STANDARD UNITS)	06/15/87-12/02/96	17	7.37	7.384	7.79	7.16	0.027	0.163	7.224	7.29	7.52	7.67
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/87-12/02/96	17	0.043	0.041	0.069	0.016	0.	0.014	0.022	0.03	0.051	0.06
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/15/87-09/09/96	8 ##	0.025	0.044	0.094	0.01	0.001	0.032	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/87-09/09/96	9	0.51	0.488	0.96	0.21	0.079	0.282	0.21	0.215	0.725	0.96
00940	CHLORIDE,TOTAL IN WATER MG/L	06/15/87-09/09/96	9	3.	2.878	5.	0.9	1.659	1.288	0.9	2.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/87-09/09/96	9	6.	5.556	8.	2.	3.028	1.74	2.	4.5	6.5	8.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	20	4.	4.9	16.	0.	25.147	5.015	0.	0.	7.75	13.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/12/85-12/02/96	20	0.602	0.527	1.204	0.	0.199	0.446	0.	0.	0.889	1.139

** - Less than 9 observations ## - Computed with 50% or more 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: 5/10 to 7/14 - Station BUFF0116

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 =			3.365								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/15/87-09/09/96	9 ##	0.015	0.015	0.03	0.004	0.	0.007	0.004	0.015	0.015	0.03

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

Station Inventory for Station: BUFF0117

NPS Station ID: BUFF0117
LAT/LON: 35.983616/ -92.951392
Agency: 21ARUNFA
Date Created: 10/06/79
Location: CAVE CREEK AT BUFFALO RIVER CONFLUENCE
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF110
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005023
RF1 Mile Point: 0.140
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005005600.00
RF3 Mile Point: 0.26
Distance from RF3: 0.00
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CAVE CREEK AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	6525.	6525.	6525.	6525.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1165.	1165.	1165.	1165.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	219.	219.	219.	219.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	497.	497.	497.	497.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	108.	108.	108.	108.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	14500.	14500.	14500.	14500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0118

NPS Station ID: BUFF0118
LAT/LON: 35.981948/ -92.951392
Agency: 1116APCC
Date Created: 02/03/90
Location: CAVE CREEK - TRIBUTARY OF BUFFALO RIVER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS017 /BUFT08 /4J00029
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 207
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.50
On/Off RF1:
RF3 Index: 11010005000800.35
RF3 Mile Point: 0.35
Distance from RF3: 0.01
On/Off RF3:
Description:
POINT LOCATION: AT THE MOUTH OF THE CREEK - ACCESS VIA 4X4 ROAD ON NORTH SIDE OF RIVER 7.7 MILES SOUTH OF HIGHWAY 65 - ACCESS LIMITED DUE TO RIVER CROSSING REQUIRED

Parameter Inventory for Station: BUFF0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	72	21.75	19.958	30.	6.8	44.916	6.702	9.29	15.	25.875	28.07
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/14/94-06/06/94	2	19.8	19.8	30.6	9.	233.28	15.274	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/16/90-09/25/95	22	26.5	34.191	157.	0.5	1323.492	36.38	1.69	8.5	48.5	75.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/08/93-12/02/96	10	11.	38.898	225.	0.08	4803.141	69.305	0.162	2.475	49.25	209.9
00065	STAGE, STREAM (FEET)	04/22/85-02/27/95	32	-0.895	-1.184	2.8	-3.17	2.567	1.602	0.458	-0.09	-2.748	-3.123
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	48	1.2	2.165	14.	0.4	8.084	2.843	0.5	0.8	2.3	3.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	73	221.	216.233	412.	132.	1553.237	39.411	164.4	195.	238.	254.8
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	57	9.3	9.368	14.2	0.	4.679	2.163	7.24	7.9	10.65	11.82
00400	PH (STANDARD UNITS)	06/22/87-12/02/96	58	8.125	8.109	8.8	7.36	0.075	0.274	7.861	7.967	8.28	8.435
00400	CONVERTED PH (STANDARD UNITS)	06/22/87-12/02/96	58	8.125	8.016	8.8	7.36	0.084	0.289	7.861	7.967	8.28	8.435
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/87-12/02/96	58	0.007	0.01	0.044	0.002	0.	0.008	0.004	0.005	0.011	0.014
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/93-11/08/93	4	127.5	128.5	137.	122.	43.	6.557	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	27 ##	0.025	0.039	0.12	0.01	0.001	0.026	0.024	0.025	0.057	0.08
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-09/25/89	5	0.2	0.32	0.7	0.1	0.057	0.239	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	28	0.05	0.067	0.27	0.01	0.004	0.063	0.01	0.02	0.115	0.161
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-11/02/92	10	0.012	0.02	0.048	0.007	0.	0.016	0.007	0.008	0.034	0.048
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-08/08/94	8	127.	123.75	138.	100.	175.929	13.264	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/92-09/09/96	22	2.	2.455	3.	2.	0.26	0.51	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/92-09/09/96	23	6.	6.913	12.	2.	4.265	2.065	5.	6.	8.	9.6
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/85-07/14/87	5	140.	125.6	180.	65.	2279.3	47.742	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/85-07/14/87	5	2.146	2.07	2.255	1.813	0.034	0.185	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			117.443								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	71	8.	26.028	410.	0.	4234.942	65.076	0.	4.	20.	48.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	71	0.903	0.959	2.613	0.	0.356	0.596	0.	0.602	1.301	1.684
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.099								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/92-09/09/96	23 ##	0.015	0.025	0.113	0.015	0.	0.022	0.015	0.015	0.03	0.051
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-09/25/95	11	1.5	1.7	4.1	0.4	1.27	1.127	0.44	0.8	2.1	3.9

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

EPA Water Quality Criteria Analysis for Station: BUFF0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	48	0	0.00	27	0	0.00	8	0	0.00	13	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	57	1	0.02	31	1	0.03	13	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	58	0	0.00	32	0	0.00	11	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	58	0	0.00	32	0	0.00	11	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	28	0	0.00	12	0	0.00	8	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	9	0	0.00	8	0	0.00	5	0	0.00			
		Drinking Water	250.	22	0	0.00	9	0	0.00	8	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	23	0	0.00	9	0	0.00	8	0	0.00	6	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			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	71	2	0.03	36	2	0.06	14	0	0.00	21	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	38	23.	20.687	30.	6.8	50.302	7.092	8.47	15.35	26.625	29.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	27	1.	2.022	12.	0.4	8.44	2.905	0.48	0.7	1.4	5.32
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	38	230.	226.842	412.	148.	1838.677	42.88	167.2	211.75	241.25	257.1
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	31	9.2	8.977	12.3	0.	5.409	2.326	6.9	7.7	10.6	11.5
00400	PH (STANDARD UNITS)	06/22/87-12/02/96	32	8.11	8.1	8.49	7.45	0.04	0.199	7.899	7.97	8.253	8.359
00400	CONVERTED PH (STANDARD UNITS)	06/22/87-12/02/96	32	8.11	8.05	8.49	7.45	0.042	0.206	7.899	7.97	8.252	8.359
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/87-12/02/96	32	0.008	0.009	0.035	0.003	0.	0.006	0.004	0.006	0.011	0.013
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	12 ##	0.025	0.038	0.077	0.01	0.	0.02	0.015	0.025	0.056	0.072
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	12	0.02	0.038	0.14	0.01	0.002	0.045	0.01	0.01	0.048	0.134
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	36	9.	33.806	410.	0.	7847.761	88.588	0.	4.	19.5	42.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	36	0.952	0.99	2.613	0.	0.374	0.611	0.	0.602	1.29	1.623
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.783								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	13	12.8	12.762	17.7	7.5	11.376	3.373	7.5	9.75	15.9	17.34
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	8	1.5	1.55	3.	0.6	0.54	0.735	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	14	189.5	183.714	208.	132.	498.527	22.328	140.	170.5	202.25	206.5
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	13	10.9	10.985	14.2	7.	3.565	1.888	7.92	9.75	12.4	13.8
00400	PH (STANDARD UNITS)	06/22/87-12/02/96	11	8.28	8.283	8.8	7.5	0.132	0.363	7.596	8.11	8.57	8.786
00400	CONVERTED PH (STANDARD UNITS)	06/22/87-12/02/96	11	8.28	8.125	8.8	7.5	0.159	0.399	7.596	8.11	8.57	8.786
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/87-12/02/96	11	0.005	0.007	0.032	0.002	0.	0.008	0.002	0.003	0.008	0.027
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	8 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	8	0.06	0.073	0.16	0.01	0.003	0.053	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	14	7.	15.643	80.	0.	607.786	24.653	0.	0.	17.	71.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	14	0.841	0.718	1.903	0.	0.504	0.71	0.	0.	1.228	1.848
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.229								

** - 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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	21	23.5	23.095	29.	16.	14.559	3.816	16.78	19.95	26.25	28.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	13	1.8	2.838	14.	0.8	12.269	3.503	0.84	1.1	2.8	10.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	21	222.	218.714	260.	150.	905.514	30.092	164.2	207.5	238.	256.2
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	13	8.9	8.685	10.4	6.8	1.016	1.008	7.2	7.9	9.3	10.28
00400	PH (STANDARD UNITS)	06/22/87-12/02/96	15	8.03	8.001	8.48	7.36	0.086	0.294	7.456	7.87	8.21	8.36
00400	CONVERTED PH (STANDARD UNITS)	06/22/87-12/02/96	15	8.03	7.896	8.48	7.36	0.098	0.313	7.456	7.87	8.21	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/87-12/02/96	15	0.009	0.013	0.044	0.003	0.	0.011	0.004	0.006	0.013	0.036
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	7	0.06	0.058	0.12	0.02	0.001	0.038	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	8	0.07	0.105	0.27	0.04	0.006	0.08	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	21	10.	19.619	74.	2.	466.148	21.59	2.4	6.	29.	66.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	21	1.	1.065	1.869	0.301	0.209	0.457	0.361	0.778	1.462	1.816
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.623								

** - Less than 9 observations ## - Computed 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: BUFF0119

NPS Station ID: BUFF0119
LAT/LON: 36.001392/ -92.951392
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER APPR 1.0 MI BELOW MT HERSEY
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF109
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005008
RF1 Mile Point: 1.650
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005072200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 1.0 MILE BELOW MT HERSEY

Parameter Inventory for Station: BUFF0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1538.	1538.	1538.	1538.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	463.	463.	463.	463.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	153.	153.	153.	153.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	390.	390.	390.	390.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	10400.	10400.	10400.	10400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0120

NPS Station ID: BUFF0120 LAT/LON: 36.010559/ -92.951948 Agency: 21ARUNFA Date Created: 10/06/79
Location: MILL BRANCH AT BUFFALO RIVER CONFLUENCE FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF108
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005008 RF1 Mile Point: 2.090 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM MILL BRANCH AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	21375.	21375.	21375.	21375.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1385.	1385.	1385.	1385.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	149.	149.	149.	149.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.52	1.52	1.52	1.52	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	259.	259.	259.	259.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	145.	145.	145.	145.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0121

NPS Station ID: BUFF0121 LAT/LON: 36.009170/ -92.953337 Agency: 21ARUNFA Date Created: 10/06/79
Location: DAVIS CREEK AT BUFFALO RIVER CONFLUENCE FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF107
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005008 RF1 Mile Point: 2.090 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001000.00 RF3 Mile Point: 0.46 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM DAVIS CREEK AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	24200.	24200.	24200.	24200.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1620.	1620.	1620.	1620.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	168.	168.	168.	168.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	4.08	4.08	4.08	4.08	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	437.	437.	437.	437.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	403.	403.	403.	403.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	5400.	5400.	5400.	5400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0122

NPS Station ID: BUFF0122 LAT/LON: 36.008892/ -92.953337 Agency: 1116APCC Date Created: 02/03/90
Location: DAVIS CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS016 /BUFT07 /4J00028
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 207 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 3.20 On/Off RF1:
RF3 Index: 11010005002000.18 RF3 Mile Point: 0.17 Distance from RF3: 0.00 On/Off RF3:
Description:
POINT LOCATION: AT THE MOUTH OF THE CREEK AT THE MT. HERSEY CANOE ACCESS - 6 MILES SOUTH OF HIGHWAY 65 ON UNPAVED COUNTY ROAD

Parameter Inventory for Station: BUFF0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	79	17.7	17.389	27.	6.5	22.241	4.716	10.5	13.3	21.	23.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/90-06/06/94	4	23.3	21.65	36.	4.	209.823	14.485	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/13/95	21	9.	15.7	70.	0.01	370.713	19.254	0.22	0.85	24.	49.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	10	0.9	22.635	108.	0.05	1275.564	35.715	0.075	0.375	45.75	102.3
00065	STAGE, STREAM (FEET)	04/10/85-11/13/95	35	2.15	0.013	3.2	-11.7	17.116	4.137	0.108	0.8	3.05	-10.546
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	51	0.6	1.096	10.	0.3	2.41	1.553	0.3	0.4	1.	2.24
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	79	374.	373.013	476.	222.	1730.269	41.597	319.	358.	396.	421.
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	63	9.7	9.337	16.7	0.	5.358	2.315	6.44	8.1	10.6	11.62
00400	PH (STANDARD UNITS)	07/14/87-12/02/96	63	8.1	8.071	8.54	7.55	0.036	0.19	7.814	7.94	8.21	8.278
00400	CONVERTED PH (STANDARD UNITS)	07/14/87-12/02/96	63	8.1	8.028	8.54	7.55	0.038	0.195	7.814	7.94	8.21	8.278
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/87-12/02/96	63	0.008	0.009	0.028	0.003	0.	0.005	0.005	0.006	0.011	0.015
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/93-11/08/93	4	209.5	210.25	224.	198.	133.583	11.558	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	43 ##	0.025	0.037	0.116	0.	0.001	0.025	0.022	0.025	0.054	0.069
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-01/13/92	8	0.15	0.174	0.4	0.05	0.015	0.123	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	44	0.19	0.251	0.59	0.08	0.013	0.115	0.15	0.163	0.34	0.43
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-09/28/92	16 ##	0.015	0.016	0.07	0.001	0.	0.019	0.001	0.001	0.015	0.056
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	8	201.	198.125	239.	127.	1130.982	33.63	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/90-09/09/96	38	3.	2.566	4.	0.5	0.462	0.68	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/30/90-09/09/96	40	6.	6.325	12.	1.	6.328	2.515	3.	4.25	8.	10.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-04/11/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-04/11/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-04/11/94	2 ##	8.25	8.25	12.5	4.	36.125	6.01	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-04/11/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-04/11/94	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/19/85-07/14/87	6	171.5	213.167	430.	26.	25236.967	158.861	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/19/85-07/14/87	6	2.234	2.183	2.633	1.415	0.198	0.445	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			152.322								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	78	14.	25.923	250.	0.	1441.371	37.965	0.	4.	30.	62.

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

Parameter Inventory for Station: BUFF0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	78	1.146	1.07	2.398	0.	0.357	0.598	0.	0.602	1.477	1.792
31616	GM FECAL COLIFORM,MEMBR FILTR,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.743								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/30/90-09/09/96	39 ##	0.015	0.024	0.118	0.	0.001	0.023	0.015	0.015	0.03	0.033
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	12	0.4	0.542	1.6	0.1	0.183	0.427	0.13	0.225	0.8	1.42

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: BUFF0122

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	51	0	0.00	27	0	0.00	11	0	0.00	13	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	63	1	0.02	32	1	0.03	18	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	63	0	0.00	33	0	0.00	15	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	63	0	0.00	33	0	0.00	15	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	44	0	0.00	22	0	0.00	12	0	0.00	10	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	38	0	0.00	18	0	0.00	12	0	0.00	8	0	0.00			
		Drinking Water	250.	38	0	0.00	18	0	0.00	12	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	40	0	0.00	19	0	0.00	13	0	0.00	8	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5.	2	0	0.00				1	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	1300.	2	0	0.00				1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	15.	2	0	0.00				1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5000.	2	0	0.00				1	0	0.00	1	0	0.00			
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			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00	5	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	78	1	0.01	39	1	0.03	18	0	0.00	21	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	40	18.95	17.878	27.	6.5	30.669	5.538	10.31	13.275	22.225	24.98
00065	STAGE, STREAM (FEET)	04/10/85-11/13/95	18	2.15	0.671	2.48	-11.7	10.59	3.254	0.126	1.803	1.858	-1.242
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	27	0.6	1.193	10.	0.3	3.937	1.984	0.3	0.4	0.9	3.52
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	40	393.5	387.975	446.	269.	1464.692	38.271	346.4	374.25	414.75	431.1
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	32	8.8	8.466	14.	0.	6.387	2.527	5.61	6.775	9.875	11.41
00400	PH (STANDARD UNITS)	07/14/87-12/02/96	33	8.08	8.043	8.54	7.55	0.04	0.201	7.756	7.935	8.16	8.256
00400	CONVERTED PH (STANDARD UNITS)	07/14/87-12/02/96	33	8.08	7.997	8.54	7.55	0.043	0.206	7.756	7.935	8.16	8.256
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/87-12/02/96	33	0.008	0.01	0.028	0.003	0.	0.005	0.006	0.007	0.012	0.018
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	21 ##	0.025	0.035	0.09	0.	0.	0.021	0.021	0.025	0.052	0.068
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	22	0.17	0.224	0.59	0.08	0.015	0.123	0.15	0.15	0.26	0.449
00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/90-09/09/96	18	2.	2.25	3.	0.5	0.419	0.647	1.85	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/30/90-09/09/96	19	5.	5.632	12.	1.	7.579	2.753	3.	4.	8.	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	39	12.	25.744	250.	0.	1887.88	43.45	0.	4.	28.	62.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	39	1.079	1.029	2.398	0.	0.366	0.605	0.	0.602	1.447	1.792
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.682								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/30/90-09/09/96	18 ##	0.015	0.033	0.118	0.015	0.001	0.032	0.015	0.015	0.031	0.112

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	18	13.1	13.811	19.	10.2	6.839	2.615	10.38	11.75	15.925	17.74
00065	STAGE, STREAM (FEET)	04/10/85-11/13/95	7	2.85	-1.794	3.05	-11.03	38.855	6.233	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	11	0.6	0.8	1.5	0.4	0.164	0.405	0.4	0.5	1.3	1.46
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	18	353.	337.444	382.	222.	1643.673	40.542	273.3	315.75	365.5	373.9
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	18	10.75	10.878	16.7	8.	3.191	1.786	9.08	9.925	11.55	12.47
00400	PH (STANDARD UNITS)	07/14/87-12/02/96	15	8.21	8.155	8.32	7.82	0.019	0.138	7.886	8.1	8.23	8.308
00400	CONVERTED PH (STANDARD UNITS)	07/14/87-12/02/96	15	8.21	8.132	8.32	7.82	0.02	0.14	7.886	8.1	8.23	8.308
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/87-12/02/96	15	0.006	0.007	0.015	0.005	0.	0.003	0.005	0.006	0.008	0.013
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	13 ##	0.025	0.035	0.116	0.	0.001	0.029	0.01	0.025	0.038	0.095
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	12	0.3	0.294	0.45	0.12	0.014	0.118	0.138	0.18	0.4	0.45
00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/90-09/09/96	12	3.	2.833	4.	2.	0.333	0.577	2.	2.25	3.	3.7
00945	SULFATE, TOTAL (MG/L AS SO4)	07/30/90-09/09/96	13	7.	7.231	12.	3.	6.026	2.455	3.8	5.5	9.	11.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	18	6.	10.333	50.	0.	167.529	12.943	0.	0.	17.	27.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	18	0.778	0.712	1.699	0.	0.33	0.575	0.	0.	1.228	1.428
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.156								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/30/90-09/09/96	13 ##	0.015	0.015	0.033	0.	0.	0.007	0.006	0.015	0.015	0.026

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/85-12/02/96	21	19.1	19.524	24.	16.6	4.339	2.083	17.06	17.8	21.	22.78
00065	STAGE, STREAM (FEET)	04/10/85-11/13/95	10	1.245	0.096	3.2	-10.49	15.34	3.917	0.042	0.24	2.9	-9.121
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	13	0.6	1.146	4.5	0.3	1.273	1.128	0.34	0.5	1.4	3.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/85-12/02/96	21	364.	375.	476.	345.	904.3	30.072	351.6	356.	384.	419.6
00300	OXYGEN, DISSOLVED MG/L	04/22/85-12/02/96	13	9.2	9.346	11.	8.1	1.078	1.038	8.14	8.3	10.45	10.84
00400	PH (STANDARD UNITS)	07/14/87-12/02/96	15	8.06	8.05	8.48	7.69	0.039	0.197	7.714	7.95	8.14	8.336
00400	CONVERTED PH (STANDARD UNITS)	07/14/87-12/02/96	15	8.06	8.009	8.48	7.69	0.041	0.202	7.714	7.95	8.14	8.336
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/87-12/02/96	15	0.009	0.01	0.02	0.003	0.	0.005	0.005	0.007	0.011	0.019
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-09/09/96	9	0.025	0.047	0.11	0.02	0.001	0.031	0.02	0.025	0.065	0.11
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-09/09/96	10	0.285	0.261	0.34	0.14	0.006	0.079	0.144	0.188	0.333	0.34
00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/90-09/09/96	8	3.	2.875	4.	2.	0.411	0.641	**	**	**	**

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/30/90-09/09/96	8	6.5	6.5	9.	4.	2.571	1.604	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	21	26.	39.619	150.	6.	1404.148	37.472	10.8	14.5	54.	115.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/85-12/02/96	21	1.415	1.453	2.176	0.778	0.127	0.356	1.029	1.161	1.732	2.047
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.35								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/30/90-09/09/96	8 ##	0.015	0.017	0.03	0.015	0.	0.005	**	**	**	**

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

Station Inventory for Station: BUFF0123

NPS Station ID: BUFF0123 LAT/LON: 35.712504/ -92.956670 Agency: 1118ATL8 Date Created: 06/30/79
Location: UNNAMED TRIB. TO FALLING WATER CR./SITE E/ BELOW FIPS State/County: 05115 ARKANSAS/POPE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 100206
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 1 Aquifer:
Major Basin: SO-CEN-LOW-MISSISSIPPI-R Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005024 RF1 Mile Point: 21.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005004405.96 RF3 Mile Point: 5.96 Distance from RF3: 0.01 On/Off RF3:
Description:
THIS STATION WAS ESTABLISHED TO MONITOR THE EFFECT OF FORD-TYPE ROAD CROSSINGS ON STREAM WATER QUALITY. THIS STATION MAY BE CONSIDERED AS IMPACTED, AS THE NATIVE MATERIAL FORD LIES APPROX 70 FT. UPSTREAM. THE STATION IS MAINTAINED BY' US FOREST SERVICE/PO BOX 1008/RUSSELLVILLE, AR 72801. RELATED STATIONS INCLUDE' 100201, 100202, 100203, 100204, AND 100205.

Parameter Inventory for Station: BUFF0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	05/08/79-05/19/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/04/79-06/15/79	18	2.	2.611	11.	0.8	6.087	2.467	0.8	0.8	4.	4.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/79-06/15/79	18	12.	12.583	20.	5.9	16.096	4.012	6.89	9.775	16.25	18.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/15/79-06/15/79	4	5.	6.25	13.	2.	22.25	4.717	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: BUFF0123

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	18	0	0.00				2	0	0.00	16	0	0.00			

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

Station Inventory for Station: BUFF0124

NPS Station ID: BUFF0124 LAT/LON: 35.712504/ -92.956670 Agency: 1118ATL8 Date Created: 06/30/79
Location: UNNAMED TRIB. TO FALLING WATER CR./SITE E/ ABOVE FIPS State/County: 05115 ARKANSAS/POPE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 100205
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 1 Aquifer:
Major Basin: SO-CEN-LOW-MISSISSIPPI-R Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005024 RF1 Mile Point: 21.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005033200.00 RF3 Mile Point: 0.01 Distance from RF3: 0.02 On/Off RF3:
Description:
THIS STATION WAS ESTABLISHED TO MONITOR THE EFFECT OF FORD-TYPE ROAD CROSSING ON STREAM WATER QUALITY. THIS STATION MAY BE CONSIDERED AS BACKGROUND, AS THE NATIVE MATERIAL FORD LIES APPROX 50 FT. DOWNSTREAM. THE STATION IS MAINTAINED BY' US FOREST SERVICE/PO BOX 1008/RUSSELLVILLE , AR. 72801. RELATED STATIONS INCLUDE' 100201, 100202, 100203, 100204, AND 100206.

Parameter Inventory for Station: BUFF0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	05/07/79-05/18/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/04/79-06/15/79	7	1.	2.943	11.	0.8	13.943	3.734	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/79-06/15/79	6	11.5	12.2	16.	9.2	5.92	2.433	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/79-05/18/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	6	0	0.00				1	0	0.00	5	0	0.00			

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

Station Inventory for Station: BUFF0125

NPS Station ID: BUFF0125
LAT/LON: 36.000005/ -92.967781
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER 1.0 MI ABOVE DAVIS CREEK
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF106
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005010
RF1 Mile Point: 1.040
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005042500.00
RF3 Mile Point: 0.08
Distance from RF3: 0.10
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 1.0 MILE ABOVE DAVIS CREEK

Parameter Inventory for Station: BUFF0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	873.	873.	873.	873.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	335.	335.	335.	335.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	72.	72.	72.	72.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.59	0.59	0.59	0.59	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	390.	390.	390.	390.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	10900.	10900.	10900.	10900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0126

NPS Station ID: BUFF0126 LAT/LON: 35.969448/ -92.970838 Agency: 21ARUNFA Date Created: 10/06/79
Location: RICHLAND CR AT BUFFALO R CONF, APPR 0.2 MI FR WO FIPS State/County: 05129 ARKANSAS/SEARCY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF117
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005024 RF1 Mile Point: 0.970 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005073400.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM RICHLAND CREEK AT BUFFALO RIVER CONFLUENCE APPR .2 MILE FROM WOLEM, AR

Parameter Inventory for Station: BUFF0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	763.	763.	763.	763.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	192.	192.	192.	192.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.47	1.47	1.47	1.47	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	377.	377.	377.	377.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	14400.	14400.	14400.	14400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0127

NPS Station ID: BUFF0127
LAT/LON: 35.772504/ -92.990004
Agency: 1116APCC
Date Created: 08/06/94
Location: RICHLAND CREEK N. OF MOORE AR
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 050363 /URC01 /4J000043
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SW LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ARK RIVER - TULSA TO VAN BUREN
ECO Region: 37G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:
RICHLAND CREEK NEAR MOORE AR APPROX 2 MI AT BRIDGE ON ROAD 1203
U.S. FOREST SERVICE WQ STATION RICHLAND CREEK WILDERNESS

Parameter Inventory for Station: BUFF0127

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/94-03/13/95	3	10.3	10.933	16.5	6.	27.863	5.279	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/95-03/13/95	1	19.8	19.8	19.8	19.8	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/13/95-03/13/95	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/17/94-03/13/95	2	7.82	7.82	8.02	7.62	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/17/94-03/13/95	2	7.775	7.775	8.02	7.62	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/94-03/13/95	2	0.017	0.017	0.024	0.01	0.	0.01	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/14/94-03/13/95	4 ##	0.041	0.054	0.108	0.025	0.002	0.039	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/14/94-03/13/95	4	0.055	0.063	0.1	0.04	0.001	0.029	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/14/94-02/14/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/14/94-03/13/95	4	2.	2.5	5.	1.	3.	1.732	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/14/94-03/13/95	4 ##	0.5	1.125	3.	0.5	1.563	1.25	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/14/94-03/13/95	4 ##	0.025	0.042	0.103	0.015	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: BUFF0127

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	2	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00	2	0	0.00						
		Drinking Water	250.	4	0	0.00	2	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00	2	0	0.00						

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

Station Inventory for Station: BUFF0128

NPS Station ID: BUFF0128
LAT/LON: 35.999170/ -92.991670
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER 0.4 MI BELOW LICK CREEK
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF105
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005010
RF1 Mile Point: 2.630
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005001003.26
RF3 Mile Point: 3.25
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 0.4 MILE BELOW LICK CREEK

Parameter Inventory for Station: BUFF0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1605.	1605.	1605.	1605.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	483.	483.	483.	483.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	117.	117.	117.	117.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	349.	349.	349.	349.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	13500.	13500.	13500.	13500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0129

NPS Station ID: BUFF0129
LAT/LON: 35.997226/ -93.001392
Agency: 21ARUNFA
Date Created: 10/06/79
Location: LICK CREEK AT BUFFALO RIVER CONFLUENCE
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF104
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005010
RF1 Mile Point: 3.380
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001004.13
RF3 Mile Point: 4.13
Distance from RF3: 0.04
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LICK CREEK AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	6175.	6175.	6175.	6175.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	563.	563.	563.	563.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	356.	356.	356.	356.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	272.	272.	272.	272.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	119.	119.	119.	119.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	17300.	17300.	17300.	17300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0130

NPS Station ID: BUFF0130
LAT/LON: 36.068892/ -93.002227
Agency: 11TRAIN
Date Created: 03/08/97
Location: spring SP-19
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 360408093000801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0130

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: BUFF0131

NPS Station ID: BUFF0131
LAT/LON: 36.068892/ -93.002227
Agency: 112WRD
Date Created: 11/20/93
Location: SPRING SP-19
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 360408093000801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin: U
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/93-07/22/93	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/93-07/22/93	1	33.7	33.7	33.7	33.7	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/22/93-07/22/93	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/93-07/22/93	1	424.	424.	424.	424.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/93-07/22/93	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/93-07/22/93	1	7.05	7.05	7.05	7.05	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/93-07/22/93	1	7.05	7.05	7.05	7.05	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/93-07/22/93	1	0.089	0.089	0.089	0.089	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/22/93-07/22/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/22/93-07/22/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/93-07/22/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	07/22/93-07/22/93	1	216.	216.	216.	216.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/22/93-07/22/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/22/93-07/22/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/22/93-07/22/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/22/93-07/22/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/22/93-07/22/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/22/93-07/22/93	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/22/93-07/22/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/22/93-07/22/93	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/22/93-07/22/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/93-07/22/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/93-07/22/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/22/93-07/22/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/22/93-07/22/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/22/93-07/22/93	2	31.	31.	31.	31.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/22/93-07/22/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/22/93-07/22/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/22/93-07/22/93	2	2.	2.	2.	2.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/22/93-07/22/93	2	5.	5.	5.	5.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/93-07/22/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	07/22/93-07/22/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/22/93-07/22/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/22/93-07/22/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
34253	A-BHC-ALPHA DISSUG/L	07/22/93-07/22/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	07/22/93-07/22/93	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/22/93-07/22/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	07/22/93-07/22/93	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/22/93-07/22/93	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49235	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49291	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	07/22/93-07/22/93	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: BUFF0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49310	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49311	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/93-07/22/93	1	244.	244.	244.	244.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
75985	TRITIUM,1 SIGMA PRC EST, TOTAL, WATER PC/L	07/22/93-07/22/93	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/22/93-07/22/93	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/22/93-07/22/93	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/93-07/22/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	2	0	0.00	2	0	0.00									
		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

EPA Water Quality Criteria Analysis for Station: BUFF0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	2	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	2	0	0.00	2	0	0.00									
		Drinking Water	6.	2	0	0.00	2	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00	1	0	0.00									
07000	TRITIUM, TOTAL	Drinking Water	20000.	1	0	0.00	1	0	0.00									
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	2	0	0.00	2	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: BUFF0132

NPS Station ID: BUFF0132 LAT/LON: 35.992226/ -93.013892 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER 0.6 MI BELOW HANCOCK HOLLOW FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF103
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005010 RF1 Mile Point: 4.420 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005042900.00 RF3 Mile Point: 0.20 Distance from RF3: 0.10 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER 0.6 MILE BELOW HANCOCK HOLLOW

Parameter Inventory for Station: BUFF0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	15850.	15850.	15850.	15850.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1313.	1313.	1313.	1313.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	254.	254.	254.	254.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	1003.	1003.	1003.	1003.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	56.	56.	56.	56.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	19900.	19900.	19900.	19900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0133

NPS Station ID: BUFF0133 LAT/LON: 35.991670/ -93.023060 Agency: 21ARUNFA Date Created: 10/06/79
Location: HANCOCK HOLLOW AT BUFFALO RIVER CONFLUENCE FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF102
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005010 RF1 Mile Point: 4.710 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM HANCOCK HOLLOW AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	4625.	4625.	4625.	4625.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	256.	256.	256.	256.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	757.	757.	757.	757.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	58.	58.	58.	58.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	10800.	10800.	10800.	10800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0134

NPS Station ID: BUFF0134
LAT/LON: 35.840005/ -93.034448
Agency: 12NSS
Date Created: 10/22/88
Location: FALLS BRANCH CAVE CREEK
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2D073009L /2D02D073009L
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 3
Aquifer:
Major Basin:
Elevation: 363
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 13.20
On/Off RF1:
RF3 Index: 11010005049400.00
RF3 Mile Point: 1.23
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: BUFF0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/86-04/09/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/09/86-04/09/86	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/09/86-04/09/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/09/86-04/09/86	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/86-04/09/86	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/09/86-04/09/86	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/09/86-04/09/86	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/86-04/09/86	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/09/86-04/09/86	1	180.3	180.3	180.3	180.3	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/09/86-04/09/86	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/09/86-04/09/86	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/09/86-04/09/86	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/09/86-04/09/86	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/09/86-04/09/86	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/09/86-04/09/86	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/09/86-04/09/86	1	0.88	0.88	0.88	0.88	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/09/86-04/09/86	1	0.78	0.78	0.78	0.78	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/09/86-04/09/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/09/86-04/09/86	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: BUFF0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/09/86-04/09/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/09/86-04/09/86	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/09/86-04/09/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/86-04/09/86	1	328.	328.	328.	328.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/09/86-04/09/86	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	04/09/86-04/09/86	1	12.99	12.99	12.99	12.99	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/09/86-04/09/86	1	1190.	1190.	1190.	1190.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/09/86-04/09/86	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	04/09/86-04/09/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00				1	1	1.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
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: BUFF0135

NPS Station ID: BUFF0135 LAT/LON: 35.985838/ -93.036115 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER 100 FEET FROM CARVER, ARKANSAS FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF100
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005010 RF1 Mile Point: 5.660 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001223.77 RF3 Mile Point: 24.64 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 100 FEET FROM CARVER, ARKANSAS

Parameter Inventory for Station: BUFF0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	2625.	2625.	2625.	2625.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	463.	463.	463.	463.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	149.	149.	149.	149.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	359.	359.	359.	359.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	12400.	12400.	12400.	12400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0136

NPS Station ID: BUFF0136 LAT/LON: 35.984031/ -93.041671 Agency: 1116APCC Date Created: / /
Location: BUFFALO RIVER NEAR HASTY, ARK. FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/FISH/STREAM/SOLIDS/NET/BIO STORET Station ID(s): 050149 /WHI49 /4J00008
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SW LOWER MISSISSIPPI Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38G
RF1 Index: 11010005010 RF1 Mile Point: 6.050 Distance from RF1: 1.00 On/Off RF1: ON
RF3 Index: 11010005001505.19 RF3 Mile Point: 5.19 Distance from RF3: 0.00 On/Off RF3:
Description:
LOCATED ON THE BUFFALO RIVER ON STEEL AND WOODEN BRIDGE ON ARK HWY 123 MILES SOUTH OF HASTY, NEWTON COUNTY, ARKANSAS. REFERENCE MARK IS A TIP OF UPRIGHT STEEL BRIDGE SUPPORT, MARKED WITH ORANGE PAINT. SEC. 6,R. 19W T. 15N. SAMPLING INTERVAL MONTHLY. PERIOD OF RECORD 4/74-3/78.

Parameter Inventory for Station: BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	47	13.	13.926	30.	0.	65.478	8.092	3.8	7.	20.	26.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	47	12.	13.691	34.	0.	96.017	9.799	0.9	5.	21.	29.2
00023	SAMPLE WEIGHT IN POUNDS	05/23/84-05/23/84	6	0.5	0.483	0.65	0.25	0.017	0.129	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	05/23/84-05/23/84	6	9.	8.667	10.	6.	1.867	1.366	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/10/74-09/26/74	6	255.	261.833	690.	30.	58288.167	241.429	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/15/75-02/13/78	31	233.	540.903	4680.	25.	823943.624	907.713	51.4	82.	540.	1722.
00065	STAGE, STREAM (FEET)	02/13/78-11/23/87	2	4.575	4.575	5.41	3.74	1.394	1.181	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/10/74-03/21/77	37	4.4	6.246	30.	1.	34.674	5.888	1.82	2.7	7.75	13.
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/74-02/13/78	47	5.	7.66	50.	0.	108.534	10.418	0.	0.	10.	16.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/74-02/13/78	47	209.	207.574	291.	120.	1859.293	43.12	151.8	162.	245.	259.8
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	48	9.25	9.292	13.8	5.7	3.917	1.979	6.69	7.4	11.225	11.73
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-02/13/78	46	88.	87.065	126.	67.	83.618	9.144	74.4	83.	91.25	95.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	48	0.8	0.945	3.3	0.05	0.369	0.607	0.39	0.6	1.1	1.62
00335	COD, .025N K2CR2O7 MG/L	11/14/77-02/13/78	4	6.5	8.25	16.	4.	29.583	5.439	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/20/76-07/20/76	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	47	7.99	7.954	8.23	7.42	0.026	0.161	7.776	7.88	8.08	8.112
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	47	7.99	7.921	8.23	7.42	0.027	0.165	7.776	7.88	8.08	8.112
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	47	0.01	0.012	0.038	0.006	0.	0.006	0.008	0.008	0.013	0.017
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/77-01/24/78	4	118.	115.25	121.	104.	60.917	7.805	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/10/74-03/21/77	12	118.5	116.667	161.	77.	827.515	28.767	79.1	92.	141.	160.7
00445	CARBONATE ION (MG/L AS CO3)	04/10/74-03/21/77	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	04/10/74-01/17/77	35	136.	130.143	187.	82.	659.244	25.676	92.6	109.	148.	163.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/10/74-12/21/76	34	124.	122.912	170.	75.	662.265	25.735	86.	100.5	145.25	155.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	47	5.	7.691	57.	0.	80.973	8.999	2.	3.	8.	18.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/77-11/23/87	12	0.05	0.069	0.16	0.02	0.002	0.05	0.022	0.025	0.113	0.157
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/77-02/13/78	12 ##	0.025	0.025	0.05	0.01	0.	0.013	0.01	0.014	0.025	0.05
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/10/74-02/13/78	46	0.1	0.151	0.88	0.025	0.024	0.156	0.05	0.05	0.213	0.348
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/14/77-01/24/78	3	0.7	0.733	1.	0.5	0.063	0.252	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/18/77-11/23/87	11	0.1	0.127	0.27	0.01	0.009	0.096	0.013	0.04	0.22	0.27
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	48 ##	0.008	0.017	0.15	0.005	0.001	0.024	0.005	0.005	0.02	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/23/87-11/23/87	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/74-11/23/87	17	104.	109.882	182.	72.	931.735	30.524	73.6	82.	136.	154.8
00910	CALCIUM (MG/L AS CACO3)	04/10/74-03/21/77	12	79.5	84.75	128.	62.	416.205	20.401	62.6	66.5	102.5	121.4

** - 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: BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/10/74-03/21/77	12	31.85	33.808	51.	25.	65.041	8.065	25.3	26.25	40.75	48.3
00916	CALCIUM, TOTAL (MG/L AS CA)	06/15/77-01/24/78	4	50.	46.75	53.	34.	74.25	8.617	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/10/74-03/21/77	12	3.	3.975	13.	1.7	9.753	3.123	1.79	2.	4.75	10.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/15/77-01/24/78	4	4.	3.95	4.	3.8	0.01	0.1	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/74-01/24/78	15	2.3	2.287	4.	1.1	0.601	0.775	1.1	1.9	2.9	3.52
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/74-01/24/78	14	0.9	0.839	1.5	0.07	0.15	0.387	0.075	0.7	1.025	1.35
00940	CHLORIDE,TOTAL IN WATER MG/L	04/10/74-11/23/87	39	5.	4.59	7.	2.	1.038	1.019	3.	4.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/10/74-11/23/87	37	5.	4.865	10.	1.	3.787	1.946	3.	3.	6.	7.
01002	ARSENIC, TOTAL (UG/L AS AS)	04/10/74-01/24/78	24 ##	1.5	1.523	3.	0.002	0.373	0.611	0.775	1.5	1.5	2.5
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/23/84-05/23/84	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	05/23/84-05/23/84	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-11/23/87	32	1.5	2.898	24.	0.	21.451	4.632	0.	0.063	3.75	7.7
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/23/84-05/23/84	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/23/84-05/23/84	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-11/23/87	27	0.	1.389	10.	0.	7.237	2.69	0.	0.	1.5	7.6
01039	COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	05/23/84-05/23/84	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	48	6.	36.552	365.	0.	4442.205	66.65	0.	1.5	52.5	99.8
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-02/13/78	47	159.	306.33	2583.	0.	208540.307	456.662	38.8	74.	290.	1067.6
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	45	29.	79.289	482.	0.	14460.824	120.253	2.8	10.5	84.5	326.8
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/23/84-05/23/84	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-02/13/78	48	42.	43.385	131.	2.	690.428	26.276	13.25	26.25	58.	80.1
01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-11/23/87	48	22.	36.99	167.	0.	1780.484	42.196	1.5	9.	40.75	115.1
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/10/74-02/13/78	42	64.	152.262	1100.	2.	52605.808	229.36	2.	14.5	187.	481.5
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	04/10/74-02/13/78	42	1.805	1.684	3.041	0.301	0.602	0.776	0.301	1.161	2.272	2.678
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			48.313								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-02/13/78	44	11.	55.455	833.	2.	21760.254	147.514	2.	2.	28.	135.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/10/74-02/13/78	44	1.04	1.053	2.921	0.301	0.502	0.709	0.301	0.301	1.447	2.13
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.299								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/21/74-01/17/77	20	24.	109.15	704.	2.	43046.134	207.476	2.3	11.5	103.	646.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/21/74-01/17/77	20	1.374	1.494	2.848	0.301	0.515	0.717	0.341	1.051	2.007	2.781
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			31.189								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	02/13/78-10/05/82	3	0.97	3.107	7.6	0.75	15.155	3.893	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/13/78-10/05/82	3	1.34	3.013	6.9	0.8	11.403	3.377	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	02/13/78-10/05/82	3	0.28	0.207	0.34	0.	0.033	0.181	**	**	**	**
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	02/13/78-10/05/82	3	0.7	0.677	1.08	0.25	0.173	0.415	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/13/78-10/05/82	3	0.32	0.407	0.9	0.	0.208	0.456	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	06/08/77-10/05/82	4	1.685	1.718	2.	1.5	0.043	0.208	**	**	**	**
32223	CHLOROPHYLL A MG/M2 SPECTROPHOTOMETRIC CORRECTED	06/08/77-06/08/77	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
32224	PHEOPHYTIN A MG/M2 SPECTROPHOTOMETRIC ACID METH	06/08/77-06/08/77	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	06/08/77-06/08/77	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
32227	CHLOROPHYLL C, PERIPHYTON SPECTO, MG/M2	06/08/77-06/08/77	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	06/08/77-06/08/77	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	05/23/84-05/23/84	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	05/23/84-05/23/84	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	05/23/84-05/23/84	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	05/23/84-05/23/84	1 ##	0.031	0.031	0.031	0.031	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	05/23/84-05/23/84	1 ##	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
39161	LASSO- (ALCHLOR) -UG/L	11/18/75-11/14/77	3 ##	0.002	0.001	0.002	0.001	0.	0.001	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	05/23/84-05/23/84	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	05/23/84-05/23/84	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	6 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/23/84-05/23/84	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	3 ##	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: BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	6 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	6 ##	0.001	0.005	0.023	0.001	0.	0.009	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	6 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/23/84-05/23/84	1 ##	9.	9.	9.	9.	0.	0.	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	6 ##	0.001	0.001	0.002	0.001	0.	0.001	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/23/84-05/23/84	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	6 ##	0.039	0.04	0.055	0.025	0.	0.016	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	05/23/84-05/23/84	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/31/74-03/31/75	3 ##	0.002	0.003	0.005	0.002	0.	0.002	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/23/84-05/23/84	1 ##	45.5	45.5	45.5	45.5	0.	0.	**	**	**	**
39482	METHOXYCHLOR IN FISH - UG/KG	05/23/84-05/23/84	1 ##	45.5	45.5	45.5	45.5	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	05/23/84-05/23/84	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	1 ##	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	6 ##	0.003	0.003	0.004	0.001	0.	0.001	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	07/31/74-11/14/77	6 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/23/84-05/23/84	1 ##	31.	31.	31.	31.	0.	0.	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/04/74-10/04/74	1	2.22	2.22	2.22	2.22	0.	0.	**	**	**	**
61455	DIVERSITY INDEX(SHANNON&WEAVER)B.MACROINV,ART.SUB.	10/04/74-07/21/77	3	2.57	2.317	3.4	0.98	1.512	1.23	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/17/77-02/13/78	13	118.	124.308	147.	80.	364.231	19.085	92.4	112.5	141.5	146.2
70980	PRODUCTIVITY OF PERIPHYTON COMMUNITIES	06/08/77-06/08/77	1	107.4	107.4	107.4	107.4	0.	0.	**	**	**	**
70981	AUTOTROPHIC INDEX RE:PERIPHYTON WEBER & MCFARLAN	06/08/77-06/08/77	1	583.9	583.9	583.9	583.9	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/13/76-10/13/76	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/23/84-05/23/84	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	05/23/84-05/23/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/23/84-05/23/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/23/84-05/23/84	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	05/23/84-05/23/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	05/23/84-05/23/84	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/20/77-11/23/87	12	2.5	5.658	40.	1.2	117.983	10.862	1.32	1.925	3.	29.56

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

EPA Water Quality Criteria Analysis for Station: BUFF0136

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	37	0	0.00	18	0	0.00	14	0	0.00	5	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	48	0	0.00	25	0	0.00	16	0	0.00	7	0	0.00			
00400	PH	Other-Hi Lim.	9.	47	0	0.00	23	0	0.00	17	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	47	0	0.00	23	0	0.00	17	0	0.00	7	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	12	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	46	0	0.00	22	0	0.00	17	0	0.00	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	7	0	0.00	2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	39	0	0.00	21	0	0.00	13	0	0.00	5	0	0.00			
		Drinking Water	250.	39	0	0.00	21	0	0.00	13	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	37	0	0.00	20	0	0.00	12	0	0.00	5	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	24	0	0.00	11	0	0.00	10	0	0.00	3	0	0.00			
		Drinking Water	50.	24	0	0.00	11	0	0.00	10	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	32	8	0.25	17	6	0.35	11	1	0.09	4	1	0.25			
		Drinking Water	5.	32	6	0.19	17	4	0.24	11	1	0.09	4	1	0.25			
01034	CHROMIUM, TOTAL	Drinking Water	100.	27	0	0.00	13	0	0.00	10	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	48	17	0.35	25	8	0.32	16	6	0.38	7	3	0.43			
		Drinking Water	1300.	48	0	0.00	25	0	0.00	16	0	0.00	7	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	45	12	0.27	23	3	0.13	15	8	0.53	7	1	0.14			
		Drinking Water	15.	45	33	0.73	23	18	0.78	15	11	0.73	7	4	0.57			
01092	ZINC, TOTAL	Fresh Acute	120.	48	4	0.08	25	2	0.08	16	2	0.13	7	0	0.00			
		Drinking Water	5000.	48	0	0.00	25	0	0.00	16	0	0.00	7	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: BUFF0136

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	42	1	0.02	21	0	0.00	15	1	0.07	6	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	44	3	0.07	23	2	0.09	15	1	0.07	6	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	6	0	0.00	4	0	0.00	2	0	0.00						
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00	1	0	0.00	2	0	0.00						
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	6	0	0.00	4	0	0.00	2	0	0.00						
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	6	0	0.00	4	0	0.00	2	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	6	0	0.00	4	0	0.00	2	0	0.00						
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	3	0	0.00	1	0	0.00	2	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	2.	6	0	0.00	4	0	0.00	2	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	3.	6	0	0.00	4	0	0.00	2	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	0.4	3	0	0.00	1	0	0.00	2	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	0.2	3	0	0.00	1	0	0.00	2	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	3	0	0.00	1	0	0.00	2	0	0.00						
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	0.2	6	0	0.00	4	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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	7	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

Annual Analysis for 1974 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	9	14.	13.778	24.	3.	42.944	6.553	3.	9.5	19.5	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	9	14.	14.111	26.	1.	72.111	8.492	1.	6.5	21.	26.
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/74-02/13/78	9	5.	5.	10.	0.	6.25	2.5	0.	5.	5.	10.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/74-02/13/78	9	175.	189.556	249.	151.	1565.028	39.56	151.	159.	237.	249.
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	9	9.2	8.989	11.4	5.7	2.831	1.683	5.7	7.95	10.2	11.4
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-02/13/78	9	88.	84.333	90.	67.	50.25	7.089	67.	82.5	88.5	90.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	9	0.4	0.416	1.1	0.05	0.107	0.327	0.05	0.145	0.6	1.1
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	9	7.9	7.876	8.08	7.6	0.019	0.139	7.6	7.795	7.965	8.08
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	9	7.9	7.855	8.08	7.6	0.02	0.14	7.6	7.795	7.965	8.08
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	9	0.013	0.014	0.025	0.008	0.	0.005	0.008	0.011	0.016	0.025
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	9	2.	4.333	18.	0.	29.	5.385	0.	2.	5.	18.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	9 ##	0.005	0.015	0.05	0.005	0.	0.017	0.005	0.005	0.025	0.05
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	9	97.	119.556	365.	1.	9947.278	99.736	1.	82.	126.5	365.
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-02/13/78	9	184.	224.889	686.	33.	36901.861	192.099	33.	108.	276.5	686.
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	9	26.	24.667	67.	2.	410.25	20.255	2.	7.	34.5	67.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-02/13/78	9	63.	55.778	97.	6.	838.444	28.956	6.	31.	77.5	97.

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

Annual Analysis for 1975 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	11	12.	13.5	27.	4.	68.55	8.279	4.	6.	20.	26.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	11	10.	11.727	29.	0.	97.218	9.86	0.	2.	19.	28.2
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/74-02/13/78	13	5.	11.923	40.	0.	160.577	12.672	0.	5.	17.5	38.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/74-02/13/78	12	183.	188.	247.	120.	2065.455	45.447	126.	151.5	238.75	246.4
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	12	8.55	8.967	11.7	6.3	3.835	1.958	6.42	7.075	10.875	11.7
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-02/13/78	11	86.	84.818	90.	76.	27.164	5.212	76.	80.	89.	89.8
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	13	0.8	0.746	1.	0.5	0.024	0.156	0.54	0.6	0.9	0.96
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	13	7.84	7.825	8.02	7.42	0.028	0.167	7.496	7.76	7.94	8.008
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	13	7.84	7.792	8.02	7.42	0.029	0.17	7.496	7.76	7.94	8.008
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	13	0.014	0.016	0.038	0.01	0.	0.008	0.01	0.011	0.017	0.033
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	13	6.	7.538	19.	2.	26.103	5.109	2.4	4.5	9.	18.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	13 ##	0.005	0.012	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.032
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	12	0.	2.167	10.	0.	10.333	3.215	0.	0.	3.75	8.8
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-02/13/78	12	168.5	415.583	1332.	0.	227737.538	477.219	10.2	62.75	947.	1254.6
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	13	37.	96.846	391.	0.	15915.141	126.155	7.6	22.	99.	374.2
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-02/13/78	13	36.	38.615	64.	2.	294.256	17.154	10.4	27.5	53.	61.6

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

Annual Analysis for 1976 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	12	15.5	13.583	24.	2.	56.083	7.489	2.9	5.5	18.75	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	12	13.	11.875	23.	0.	73.278	8.56	0.15	1.75	18.75	23.
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/74-02/13/78	11	10.	8.182	15.	0.	31.364	5.6	0.	0.	10.	15.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/74-02/13/78	12	233.5	235.75	291.	155.	1575.114	39.688	165.5	211.75	270.	287.1
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	12	8.6	9.058	12.1	6.4	4.768	2.184	6.46	7.05	11.375	11.95
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-02/13/78	12	86.	83.75	97.	70.	84.75	9.206	70.6	73.5	90.5	96.4
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	12	1.05	1.1	2.3	0.6	0.202	0.449	0.63	0.8	1.275	2.03
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	12	8.085	8.068	8.2	7.91	0.006	0.075	7.937	8.005	8.11	8.176
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	12	8.085	8.062	8.2	7.91	0.006	0.075	7.937	8.005	8.11	8.176
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	12	0.008	0.009	0.012	0.006	0.	0.002	0.007	0.008	0.01	0.012
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	10	11.	10.8	18.	3.	35.067	5.922	3.	5.25	16.5	18.

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

Annual Analysis for 1976 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	12 ##	0.005	0.013	0.07	0.005	0.	0.019	0.005	0.005	0.01	0.055
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	12 ##	1.5	2.917	7.	1.5	4.629	2.151	1.5	1.5	5.	6.7
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-02/13/78	12	124.5	176.875	371.	8.5	15428.278	124.211	19.15	88.5	284.5	369.2
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	12	35.	128.333	482.	4.5	28852.742	169.861	4.5	13.5	267.25	456.8
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-02/13/78	12	27.	30.042	55.	13.5	312.203	17.669	13.5	13.5	47.5	53.8

** - 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 1977 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	12	15.5	16.25	30.	0.	104.932	10.244	0.9	8.	26.25	29.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	12	15.	18.167	34.	4.	142.515	11.938	4.3	7.5	31.5	33.7
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/74-02/13/78	12	0.	1.667	10.	0.	10.606	3.257	0.	0.	3.75	8.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/74-02/13/78	12	217.	211.5	256.	152.	1413.364	37.595	152.9	182.	247.	255.7
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	12	9.6	9.567	13.8	6.9	4.499	2.121	7.02	7.7	11.325	13.29
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-02/13/78	12	92.	93.5	126.	81.	121.182	11.008	82.8	88.25	94.75	117.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	11	0.9	1.236	3.3	0.6	0.613	0.783	0.62	0.7	1.6	3.
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	10	8.025	8.041	8.23	7.86	0.013	0.113	7.864	7.975	8.12	8.225
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	10	8.025	8.028	8.23	7.86	0.013	0.114	7.864	7.975	8.12	8.225
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	10	0.009	0.009	0.014	0.006	0.	0.002	0.006	0.008	0.011	0.014
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	12	4.	4.375	8.	0.5	5.688	2.385	0.65	2.5	6.75	7.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	11	0.01	0.015	0.03	0.005	0.	0.009	0.005	0.01	0.02	0.03
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	12	23.	47.792	197.	1.5	3273.566	57.215	2.55	7.5	83.25	166.7
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-02/13/78	12	102.	133.917	305.	40.	8138.447	90.213	44.2	59.25	202.5	297.2
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	9	25.	48.778	252.	2.5	6230.382	78.933	2.5	4.75	53.	252.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-02/13/78	12	43.	49.083	131.	4.	1241.538	35.235	6.1	27.	73.75	116.

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

Annual Analysis for 1978 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/74-02/13/78	2	25.	25.	50.	0.	1250.	35.355	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/10/74-02/13/78	2	213.5	213.5	221.	206.	112.5	10.607	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	2	11.75	11.75	12.	11.5	0.125	0.354	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/10/74-02/13/78	2	93.	93.	94.	92.	2.	1.414	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	2	2.05	2.05	2.8	1.3	1.125	1.061	**	**	**	**
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	2	7.94	7.94	7.95	7.93	0.	0.014	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	2	7.94	7.94	7.95	7.93	0.	0.014	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	2	0.011	0.011	0.012	0.011	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	2	31.	31.	57.	5.	1352.	36.77	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	2	0.095	0.095	0.15	0.04	0.006	0.078	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	2 ##	18.25	18.25	29.	7.5	231.125	15.203	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/10/74-02/13/78	2	1828.5	1828.5	2583.	1074.	1138540.5	1067.024	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	1	106.	106.	106.	106.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/74-02/13/78	2	64.5	64.5	68.	61.	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 1987 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	1	8.11	8.11	8.11	8.11	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	1	8.11	8.11	8.11	8.11	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	1 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	1	2.	2.	2.	2.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	25	14.	15.42	30.	2.	67.285	8.203	4.2	9.5	24.	27.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	25	13.	14.46	34.	0.	99.832	9.992	0.8	8.	24.	30.2
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	25	9.2	8.804	11.7	5.7	3.444	1.856	6.36	7.15	10.5	11.4
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	24	0.8	0.875	1.8	0.09	0.149	0.386	0.4	0.625	1.075	1.5
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	23	7.99	7.972	8.23	7.6	0.02	0.141	7.794	7.9	8.09	8.152
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	23	7.99	7.948	8.23	7.6	0.021	0.143	7.794	7.9	8.09	8.152
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	23	0.01	0.011	0.025	0.006	0.	0.004	0.007	0.008	0.013	0.016
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	24	4.	5.479	19.	0.	25.423	5.042	0.75	2.	7.	16.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	25	0.01	0.013	0.05	0.005	0.	0.012	0.005	0.005	0.02	0.034
00940	CHLORIDE,TOTAL IN WATER MG/L	04/10/74-11/23/87	21	5.	4.905	7.	2.	1.29	1.136	4.	4.	5.5	6.8
00945	SULFATE, TOTAL (MG/L AS SO4)	04/10/74-11/23/87	20	5.	4.9	9.	2.	3.253	1.804	3.	3.	6.	7.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-11/23/87	17	1.5	3.721	24.	0.	33.077	5.751	0.	0.625	5.	11.2
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-11/23/87	13	0.	2.231	10.	0.	13.359	3.655	0.	0.	4.5	9.2
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	25	7.	43.36	365.	0.	6495.823	80.597	0.6	1.5	92.	122.6
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	23	27.	63.913	398.	2.	11724.878	108.281	2.7	17.	60.	287.8
01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-11/23/87	25	15.	38.8	147.	0.	1998.313	44.702	1.5	7.5	73.5	121.4

** - 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: 10/10 to 5/09 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	16	6.5	8.813	19.	0.	34.029	5.833	2.1	4.25	14.	18.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	16	7.	8.625	21.	0.	51.317	7.164	0.	2.25	15.	19.6
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	16	11.25	10.75	13.8	8.3	2.655	1.629	8.3	9.225	11.925	12.61
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	17	0.9	1.138	3.3	0.05	0.769	0.877	0.17	0.6	1.25	2.9
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	17	7.93	7.901	8.12	7.42	0.035	0.188	7.572	7.805	8.055	8.112
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	17	7.93	7.857	8.12	7.42	0.037	0.193	7.572	7.805	8.055	8.112
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	17	0.012	0.014	0.038	0.008	0.	0.008	0.008	0.009	0.016	0.027
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	17	5.	10.	57.	2.	174.625	13.215	2.	4.	13.	25.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	17 ##	0.005	0.02	0.15	0.005	0.001	0.035	0.005	0.005	0.02	0.062
00940	CHLORIDE,TOTAL IN WATER MG/L	04/10/74-11/23/87	13	4.	4.231	5.	3.	0.692	0.832	3.	3.5	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/10/74-11/23/87	12	5.5	5.333	10.	3.	4.606	2.146	3.	3.	6.75	9.1
01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-11/23/87	11	1.5	1.636	7.	0.	3.755	1.938	0.	0.	2.	6.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-11/23/87	10	0.	0.7	2.5	0.	0.9	0.949	0.	0.	1.5	2.4
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	16	6.	29.063	197.	0.	2789.463	52.815	0.	1.5	27.25	127.
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	15	85.	125.6	482.	0.	22817.936	151.056	1.2	4.5	252.	402.2
01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-11/23/87	16	24.5	38.094	167.	1.5	2172.807	46.613	3.95	11.25	34.25	148.1

** - 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: 5/10 to 7/14 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/74-11/23/87	6	21.5	21.333	27.	16.	16.667	4.082	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/10/74-11/23/87	6	22.	24.	33.	18.	37.6	6.132	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/10/74-11/23/87	7	7.6	7.7	8.9	6.7	0.653	0.808	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/10/74-11/23/87	7	0.7	0.714	1.2	0.3	0.078	0.279	**	**	**	**
00400	PH (STANDARD UNITS)	04/10/74-11/23/87	7	8.02	8.023	8.2	7.8	0.017	0.129	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/10/74-11/23/87	7	8.02	8.006	8.2	7.8	0.017	0.131	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/74-11/23/87	7	0.01	0.01	0.016	0.006	0.	0.003	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/74-11/23/87	6	8.	10.	18.	6.	21.2	4.604	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/74-11/23/87	6	0.01	0.023	0.07	0.005	0.001	0.026	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/10/74-11/23/87	5	4.	4.2	5.	4.	0.2	0.447	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/10/74-11/23/87	5	4.	3.6	6.	1.	3.3	1.817	**	**	**	**

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	04/10/74-11/23/87	4	0.75	2.875	10.	0.	23.063	4.802	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/10/74-11/23/87	4	0.	0.375	1.5	0.	0.563	0.75	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/10/74-11/23/87	7	5.	29.357	97.	0.	1437.226	37.911	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/10/74-11/23/87	7	22.	30.571	84.	5.	775.952	27.856	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/08/74-11/23/87	7	23.	28.	59.	0.	410.667	20.265	**	**	**	**

** - 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 box-and-whisker plot

Station Inventory for Station: BUFF0137

NPS Station ID: BUFF0137
LAT/LON: 35.982504/ -93.041671
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BIG CREEK AT BUFFALO RIVER CONFLUENCE
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF101
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005020
RF1 Mile Point: 0.100
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001005.19
RF3 Mile Point: 6.13
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BIG CREEK AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	5625.	5625.	5625.	5625.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	503.	503.	503.	503.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	327.	327.	327.	327.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	714.	714.	714.	714.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	22800.	22800.	22800.	22800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0138

NPS Station ID: BUFF0138
LAT/LON: 35.984031/ -93.041671
Agency: 21ARAMBT
Date Created: 09/24/88
Location: BUFFALO RIVER NEAR HASTY, ARK.
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/FISH/STREAM/SOLIDS/NET/BIO
STORET Station ID(s): WHI0049 /4J0008
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SW LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005010
RF1 Mile Point: 6.050
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010003210500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.33
On/Off RF3:
Description:
LOCATED ON THE BUFFALO RIVER ON STEEL AND WOODEN BRIDGE ON ARK HWY 123 MILES SOUTH OF HASTY, NEWTON COUNTY, ARKANSAS. REFERENCE MARK IS A TIP OF UPRIGHT STEEL BRIDGE SUPPORT, MARKED WITH ORANGE PAINT. SEC. 6,R. 19W T. 15N. SAMPLING INTERVAL MONTHLY. PERIOD OF RECORD 4/74-3/78.

Parameter Inventory for Station: BUFF0138

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: BUFF0139

NPS Station ID: BUFF0139
LAT/LON: 35.798892/ -93.043060
Agency: 12NSS
Date Created: 10/22/88
Location: FALLS BRANCH CAVE CREEK
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2D073009U /2D02D073009U
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 555
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 3.40
On/Off RF1:
RF3 Index: 11010005038100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN: KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN; (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED.

Parameter Inventory for Station: BUFF0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/86-04/09/86	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/09/86-04/09/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/09/86-04/09/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/09/86-04/09/86	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/86-04/09/86	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/09/86-04/09/86	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/09/86-04/09/86	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/86-04/09/86	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/09/86-04/09/86	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/09/86-04/09/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/09/86-04/09/86	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/09/86-04/09/86	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/09/86-04/09/86	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/09/86-04/09/86	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/09/86-04/09/86	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/09/86-04/09/86	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/09/86-04/09/86	1	0.91	0.91	0.91	0.91	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/09/86-04/09/86	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/09/86-04/09/86	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: BUFF0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/09/86-04/09/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/09/86-04/09/86	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/09/86-04/09/86	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/86-04/09/86	1	1081.	1081.	1081.	1081.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/09/86-04/09/86	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	04/09/86-04/09/86	1	19.99	19.99	19.99	19.99	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/09/86-04/09/86	1	1820.	1820.	1820.	1820.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/09/86-04/09/86	1	29.	29.	29.	29.	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	04/09/86-04/09/86	1	1.6	1.6	1.6	1.6	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: BUFF0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00				1	1	1.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
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: BUFF0140

NPS Station ID: BUFF0140 LAT/LON: 35.977782/ -93.043060 Agency: 1116APCC Date Created: 02/03/90
Location: BIG CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS015 /BUFT06 /4J00027
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 219 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38M
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.90 On/Off RF1:
RF3 Index: 11010005001500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
POINT LOCATION: JUST BELOW THE LOW WATER BRIDGE 0.3 MILES SOUTHEAST OF HIGHWAY 123 AND THE CARVER CEMETARY

Parameter Inventory for Station: BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	81	21.	19.917	31.	7.1	45.483	6.744	9.12	14.35	25.9	28.56
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-06/06/94	6	30.3	24.6	36.	4.	146.88	12.119	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	07/22/91-11/13/95	22	57.	68.955	266.	2.	4308.903	65.642	3.	11.75	101.	161.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	10	24.	75.3	388.	1.	14103.344	118.758	1.	4.	103.	362.2
00065	STAGE, STREAM (FEET)	04/23/85-04/17/95	32	-0.13	-0.435	2.5	-9.27	7.672	2.77	0.104	1.925	-1.61	-2.524
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	52	1.7	4.094	68.	0.5	90.625	9.52	0.9	1.325	3.	6.29
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	79	233.	217.861	282.	95.	1697.609	41.202	154.	191.	247.	263.
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	63	9.5	9.441	14.8	0.	5.151	2.27	6.54	8.3	11.	12.5
00400	PH (STANDARD UNITS)	07/13/87-12/02/96	65	8.01	8.056	8.83	7.4	0.087	0.294	7.73	7.835	8.305	8.47
00400	CONVERTED PH (STANDARD UNITS)	07/13/87-12/02/96	65	8.01	7.965	8.83	7.4	0.095	0.308	7.73	7.835	8.305	8.47
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/87-12/02/96	65	0.01	0.011	0.04	0.001	0.	0.007	0.003	0.005	0.015	0.019
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/93-11/08/93	4	121.	123.5	135.	117.	68.333	8.266	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	45 ##	0.025	0.034	0.12	0.	0.001	0.028	0.	0.025	0.025	0.082
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-01/13/92	11	0.23	0.257	0.6	0.1	0.02	0.143	0.1	0.16	0.3	0.56
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	47	0.13	0.12	0.41	0.005	0.009	0.096	0.01	0.03	0.17	0.26
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-09/28/92	19 ##	0.015	0.02	0.07	0.001	0.	0.018	0.001	0.01	0.015	0.05
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	8	119.5	118.25	143.	93.	301.929	17.376	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	10/11/90-10/11/90	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/23/90-08/19/96	41	3.	3.024	5.	2.	0.474	0.689	2.	3.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/90-08/19/96	43	8.	8.163	13.	4.	8.378	2.894	4.4	6.	10.	13.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/30/85-09/19/87	5	120.	132.	240.	55.	4632.5	68.062	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/30/85-09/19/87	5	2.079	2.073	2.38	1.74	0.053	0.231	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			118.417								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	78	8.	77.962	3400.	0.	160432.063	400.54	0.	2.	24.5	49.1
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	78	0.903	0.953	3.531	0.	0.51	0.714	0.	0.301	1.389	1.691
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.979								

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

Parameter Inventory for Station: BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/90-08/19/96	42 ##	0.015	0.022	0.117	0.	0.	0.02	0.015	0.015	0.015	0.037
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	12	2.1	2.15	4.8	0.9	1.197	1.094	0.93	1.1	2.75	4.2

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

EPA Water Quality Criteria Analysis for Station: BUFF0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	52	1	0.02	28	1	0.04	11	0	0.00	13	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	63	1	0.02	33	1	0.03	17	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	65	0	0.00	35	0	0.00	15	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	65	0	0.00	35	0	0.00	15	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	47	0	0.00	22	0	0.00	14	0	0.00	11	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	41	0	0.00	18	0	0.00	14	0	0.00	9	0	0.00			
		Drinking Water	250.	41	0	0.00	18	0	0.00	14	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	43	0	0.00	19	0	0.00	15	0	0.00	9	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	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			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	78	3	0.04	40	2	0.05	17	0	0.00	21	1	0.05			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	11	23.8	23.464	29.9	15.5	20.605	4.539	15.82	21.	27.2	29.72
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	11	235.	222.	270.	133.	1448.8	38.063	143.	211.	249.	265.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	11	4.	21.455	190.	0.	3139.273	56.029	0.	2.	10.	154.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	11	0.602	0.702	2.279	0.	0.406	0.637	0.	0.301	1.	2.039
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.033								

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

Annual Analysis for 1987 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	4	25.5	25.375	27.5	23.	3.563	1.887	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	4	235.	231.25	244.	211.	200.917	14.175	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	4	8.	11.5	30.	0.	209.	14.457	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	4	0.602	0.67	1.477	0.	0.612	0.782	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.681								

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

Annual Analysis for 1988 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	5	25.6	25.16	26.	22.9	1.633	1.278	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	5	269.	260.2	282.	219.	621.7	24.934	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	5	8.	9.6	26.	2.	90.8	9.529	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	5	0.903	0.825	1.415	0.301	0.171	0.414	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.681								

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

Annual Analysis for 1989 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	9	24.5	23.622	28.4	18.	13.764	3.71	18.	20.25	27.1	28.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	9	245.	234.	271.	171.	867.75	29.458	171.	217.5	252.5	271.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	9	12.	388.222	3400.	6.	1275599.444	1129.424	6.	8.	18.	3400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	9	1.079	1.318	3.531	0.778	0.714	0.845	0.778	0.903	1.255	3.531
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.807								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	11	18.	18.964	28.6	10.5	42.249	6.5	10.62	14.2	27.	28.28
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	10	224.5	208.8	278.	95.	3013.289	54.893	100.7	165.5	246.5	275.3
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	10	15.	131.2	1040.	2.	103730.844	322.073	2.	3.5	71.	950.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	10	1.123	1.267	3.017	0.301	0.756	0.87	0.301	0.527	1.797	2.93
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.511								

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

Annual Analysis for 1991 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	13	14.5	16.785	31.	8.	49.891	7.063	8.36	11.15	22.	29.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	12	200.5	201.167	246.	120.	1651.788	40.642	130.2	167.75	237.75	245.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	11	4.	38.727	310.	0.	8287.418	91.035	0.	2.	36.	255.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	11	0.602	0.881	2.491	0.	0.614	0.783	0.	0.301	1.556	2.304
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.607								

** - 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 1992 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	7	20.	16.4	21.	9.2	27.197	5.215	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	6	197.	208.167	263.	166.	1504.167	38.784	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	6	8.	12.333	32.	2.	146.667	12.111	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	6	0.9	0.875	1.505	0.301	0.256	0.506	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.496								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	6	14.5	17.5	30.	8.5	96.176	9.807	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	6	207.5	213.5	259.	175.	1398.3	37.394	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	6	2.	8.167	42.	0.	276.567	16.63	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	6	0.239	0.43	1.623	0.	0.397	0.63	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.689								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	6	19.35	17.683	26.	7.1	69.07	8.311	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	6	200.5	197.333	258.	130.	3373.467	58.082	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	6	15.5	23.	50.	0.	455.2	21.335	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	6	1.188	1.111	1.699	0.	0.395	0.628	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.926								

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

Annual Analysis for 1995 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	5	16.2	17.38	29.2	10.2	56.692	7.529	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	6	238.	235.167	279.	188.	996.567	31.568	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	6	38.5	36.833	88.	1.	1020.567	31.946	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	6	1.572	1.269	1.944	0.	0.525	0.724	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.581								

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

Annual Analysis for 1996 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	4	18.85	18.925	28.9	9.1	74.723	8.644	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	4	214.5	202.5	231.	150.	1305.667	36.134	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	4	8.5	9.25	17.	3.	41.583	6.449	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	4	0.889	0.871	1.23	0.477	0.119	0.345	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.438								

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Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	42	23.1	21.429	31.	8.5	47.433	6.887	9.43	15.9	27.05	29.14
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	28	1.7	4.732	68.	0.5	160.379	12.664	0.78	1.3	2.7	6.62
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	41	245.	234.951	282.	120.	1334.948	36.537	163.8	222.	255.5	270.8
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	33	9.	8.942	12.5	0.	5.704	2.388	6.34	7.7	10.45	11.8
00400	PH (STANDARD UNITS)	07/13/87-12/02/96	35	7.94	7.986	8.5	7.4	0.073	0.27	7.682	7.79	8.21	8.42
00400	CONVERTED PH (STANDARD UNITS)	07/13/87-12/02/96	35	7.94	7.91	8.5	7.4	0.079	0.281	7.682	7.79	8.21	8.42
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/87-12/02/96	35	0.011	0.012	0.04	0.003	0.	0.007	0.004	0.006	0.016	0.021
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	20 ##	0.025	0.038	0.103	0.	0.001	0.03	0.001	0.025	0.069	0.089
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	22	0.06	0.104	0.41	0.005	0.014	0.117	0.01	0.01	0.145	0.309
00940	CHLORIDE,TOTAL IN WATER MG/L	04/23/90-08/19/96	18	3.	3.333	5.	2.	0.588	0.767	2.9	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/90-08/19/96	19	7.	7.368	13.	4.	8.246	2.872	4.	5.	10.	13.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	40	8.	106.1	3400.	0.	288102.554	536.752	0.	2.	16.75	48.9
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	40	0.903	0.892	3.531	0.	0.562	0.75	0.	0.301	1.224	1.689
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.801								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/90-08/19/96	18 ##	0.015	0.03	0.117	0.015	0.001	0.028	0.015	0.015	0.03	0.075

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	18	13.05	12.75	18.	7.1	12.371	3.517	7.91	9.125	15.7	18.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	11	1.7	2.509	6.5	1.	3.655	1.912	1.	1.2	3.	6.36
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	17	183.	172.412	214.	95.	1024.507	32.008	123.	148.5	193.	210.
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	17	10.8	11.012	14.8	9.	2.539	1.593	9.16	9.45	12.25	13.12
00400	PH (STANDARD UNITS)	07/13/87-12/02/96	15	8.33	8.306	8.83	7.89	0.068	0.261	7.932	8.01	8.47	8.668
00400	CONVERTED PH (STANDARD UNITS)	07/13/87-12/02/96	15	8.33	8.234	8.83	7.89	0.074	0.272	7.932	8.01	8.47	8.668
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/87-12/02/96	15	0.005	0.006	0.013	0.001	0.	0.003	0.002	0.003	0.01	0.012
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	15 ##	0.025	0.031	0.12	0.	0.001	0.028	0.	0.025	0.025	0.086
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	14	0.14	0.124	0.18	0.04	0.003	0.055	0.04	0.063	0.18	0.18
00940	CHLORIDE,TOTAL IN WATER MG/L	04/23/90-08/19/96	14	3.	2.714	4.	2.	0.374	0.611	2.	2.	3.	3.5
00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/90-08/19/96	15	9.	9.4	13.	5.	7.543	2.746	5.	7.	12.	13.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	17	6.	24.176	190.	0.	2075.654	45.559	0.	2.	34.	76.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	17	0.778	0.889	2.279	0.	0.471	0.686	0.	0.301	1.531	1.801
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.747								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/90-08/19/96	15 ##	0.015	0.015	0.04	0.	0.	0.009	0.	0.015	0.015	0.025

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/85-12/02/96	21	22.9	23.038	28.7	16.	12.924	3.595	18.	20.	26.	27.16
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/88-12/02/96	13	2.3	4.062	14.	0.9	18.006	4.243	1.1	1.7	4.15	13.48
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/85-12/02/96	21	231.	221.286	275.	166.	764.314	27.646	170.2	211.	236.	255.4
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	13	8.7	8.654	12.8	6.2	3.169	1.78	6.32	7.15	9.5	11.68
00400	PH (STANDARD UNITS)	07/13/87-12/02/96	15	7.91	7.967	8.52	7.56	0.063	0.25	7.614	7.82	8.11	8.418
00400	CONVERTED PH (STANDARD UNITS)	07/13/87-12/02/96	15	7.91	7.906	8.52	7.56	0.067	0.258	7.614	7.82	8.11	8.418
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/87-12/02/96	15	0.012	0.012	0.028	0.003	0.	0.007	0.004	0.008	0.015	0.024
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	10 ##	0.025	0.031	0.08	0.	0.001	0.023	0.002	0.024	0.035	0.078
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	11	0.16	0.145	0.29	0.01	0.009	0.095	0.01	0.03	0.21	0.284
00940	CHLORIDE,TOTAL IN WATER MG/L	04/23/90-08/19/96	9	3.	2.889	3.	2.	0.111	0.333	2.	3.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/90-08/19/96	9	7.	7.778	13.	4.	7.694	2.774	4.	6.	9.5	13.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	21	12.	67.905	1040.	0.	50054.29	223.728	2.	5.	33.	80.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/85-12/02/96	21	1.079	1.122	3.017	0.	0.449	0.67	0.301	0.69	1.517	1.895

** - Less than 9 observations ## - Computed with 50% or more 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: 5/10 to 7/14 - Station BUFF0140

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 =			13.228								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/23/90-08/19/96	9 ##	0.015	0.017	0.03	0.015	0.	0.005	0.015	0.015	0.015	0.03

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

Station Inventory for Station: BUFF0141

NPS Station ID: BUFF0141
LAT/LON: 35.986115/ -93.061115
Agency: 21ARUNFA
Date Created: 10/06/79
Location: ELM SPRING AT BUFFALO RIVER CONFLUENCE
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF99
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005011
RF1 Mile Point: 1.000
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001102.21
RF3 Mile Point: 2.21
Distance from RF3: 0.08
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ELM SPRING AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	2410.	2410.	2410.	2410.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	156.	156.	156.	156.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	272.	272.	272.	272.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	13400.	13400.	13400.	13400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0142

NPS Station ID: BUFF0142 LAT/LON: 35.995560/ -93.075003 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER 0.1 MI BELOW SHELDON BRANCH FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF98
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005011 RF1 Mile Point: 2.150 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005064100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER 0.1 MILE BELOW SHELDON BRANCH

Parameter Inventory for Station: BUFF0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	565.	565.	565.	565.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	235.	235.	235.	235.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	107.	107.	107.	107.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	10200.	10200.	10200.	10200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0143

NPS Station ID: BUFF0143 LAT/LON: 35.994448/ -93.080559 Agency: 21ARUNFA Date Created: 10/06/79
Location: SHELDON BRANCH AT BUFFALO RIVER CONFLUENCE FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF97
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005011 RF1 Mile Point: 2.400 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005063600.00 RF3 Mile Point: 0.14 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM SHELDON BRANCH AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1225.	1225.	1225.	1225.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	563.	563.	563.	563.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	336.	336.	336.	336.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	819.	819.	819.	819.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	26800.	26800.	26800.	26800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0144

NPS Station ID: BUFF0144 LAT/LON: 36.005559/ -93.080559 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R NEAR BRIDGE 370, UPST FROM ROCK CREEK FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF32
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005011 RF1 Mile Point: 3.280 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001505.19 RF3 Mile Point: 5.19 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER NEAR BRIDGE NO. 370, APPR 0.25 MILE UPSTREAM FROM ROCK CR

Parameter Inventory for Station: BUFF0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-09/19/75	7	27.	27.7	44.	10.3	145.107	12.046	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-09/19/75	9	1035.	1623.556	3246.	395.	1282188.778	1132.338	395.	879.	3037.5	3246.
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-09/19/75	9	399.	419.444	624.	312.	9501.778	97.477	312.	350.	471.	624.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-09/19/75	7	2.	2.057	3.9	0.9	0.9	0.948	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-09/19/75	6	0.006	0.02	0.09	0.004	0.001	0.034	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-09/19/75	6	0.01	0.017	0.06	0.005	0.	0.021	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-09/19/75	7	1.31	1.404	2.12	1.03	0.119	0.345	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-09/19/75	9	8.	13.	49.	2.	216.75	14.722	2.	3.	17.	49.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-09/19/75	7	0.87	0.933	1.45	0.69	0.07	0.264	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-09/19/75	6	0.003	0.003	0.008	0.	0.	0.003	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-09/19/75	9	132.	136.111	204.	50.	2245.111	47.383	50.	106.	176.5	204.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-09/19/75	7	1.	0.9	2.	0.3	0.32	0.566	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	3	0.2	0.267	0.4	0.2	0.013	0.115	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	8	0.55	0.813	2.8	0.1	0.784	0.885	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	9	10.	9.889	17.	3.	18.111	4.256	3.	6.5	12.5	17.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-09/19/75	6	2.	1.583	2.	0.5	0.442	0.665	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	3	0.4	0.433	0.5	0.4	0.003	0.058	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-09/19/75	6	2.	2.583	5.	0.5	2.642	1.625	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	3	0.7	0.6	0.8	0.3	0.07	0.265	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-09/19/75	9	7.	7.333	11.	5.	3.75	1.936	5.	5.5	8.5	11.
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-09/19/75	7	2.	2.	4.	1.	1.333	1.155	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	2	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-09/19/75	9	5.	4.333	5.	3.	0.75	0.866	3.	3.5	5.	5.
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-09/19/75	6	128.	481.5	2250.	65.	753682.3	868.149	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-09/19/75	7	7.	12.286	36.	3.	152.571	12.352	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-09/19/75	7	7.	5.786	9.	2.	9.988	3.16	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	3	1.	1.6	3.	0.8	1.48	1.217	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-09/19/75	9	12.5	13.4	28.	0.1	82.278	9.071	0.1	6.	21.	28.
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-09/19/75	9	325.	387.556	676.	278.	15116.278	122.948	278.	307.5	434.5	676.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-09/19/75	6	5.65	20.783	82.	1.2	978.33	31.278	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-09/19/75	7	7.3	7.514	10.5	4.2	5.488	2.343	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-09/19/75	6	2.	3.083	6.	0.5	5.442	2.333	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	3	1.	1.	1.	1.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-09/19/75	9	13.	12.556	19.	9.	11.028	3.321	9.	9.	14.5	19.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	3	32.	33.667	47.	22.	158.333	12.583	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	3	0.4	0.5	0.7	0.4	0.03	0.173	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-09/19/75	7	4.	20.429	101.	1.	1308.952	36.179	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-09/19/75	6	1.	8.467	46.	0.3	338.447	18.397	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-09/19/75	9	53.	72.778	195.	34.	2624.694	51.232	34.	47.	86.5	195.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	3	2.	2.	2.	2.	0.	0.	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-09/19/75	9	1.4	1956.7	17600.	0.9	34412742.458	5866.238	0.9	1.1	1.55	17600.
81357	CALCIUM SUSPENDED MG/L	05/21/74-09/19/75	6	0.025	0.07	0.3	0.01	0.013	0.113	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0144

				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: BUFF0145

NPS Station ID: BUFF0145
LAT/LON: 36.005003/ -93.081392
Agency: 1116APCC
Date Created: 02/03/90
Location: BUFFALO RIVER AT HASTY
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS004 /BUFR04 /4J00013
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 226
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38M
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 11010005001203.32
RF3 Mile Point: 3.74
Distance from RF3: 0.01
On/Off RF3:
Description:
POINT LOCATION: HASTY LOW-WATER BRIDGE ON PAVED COUNTY ROAD BETWEEN HIGHWAY 74 AND HIGHWAY 123

Parameter Inventory for Station: BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	101	17.6	17.67	31.	0.3	67.54	8.218	6.72	9.6	25.2	29.16
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	8	22.	22.25	36.	4.	127.357	11.285	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	21	384.	418.	1666.	24.	149912.6	387.185	54.	91.	687.	782.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	10	418.5	527.5	1957.	32.	304441.611	551.762	37.1	169.25	645.75	1832.1
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	79	0.8	1.148	4.5	-0.5	0.929	0.964	0.4	0.5	1.6	3.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	60	1.5	5.937	72.	0.1	161.113	12.693	0.71	1.	5.975	11.71
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	96	202.5	194.615	317.	61.	2893.966	53.796	122.4	151.25	238.75	251.3
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	84	9.4	9.471	15.4	5.4	3.899	1.975	6.85	8.	10.7	12.
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	75	8.01	7.999	9.17	7.15	0.084	0.29	7.632	7.85	8.15	8.314
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	75	8.01	7.902	9.17	7.15	0.094	0.306	7.632	7.85	8.15	8.314
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	75	0.01	0.013	0.071	0.001	0.	0.01	0.005	0.007	0.014	0.023
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	73.	60.2	109.	0.	1773.7	42.115	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	58	0.025	0.065	0.297	0.	0.004	0.066	0.024	0.025	0.09	0.137
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/85-12/17/90	33	0.23	0.263	0.58	0.03	0.024	0.155	0.05	0.1	0.37	0.518
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	68	0.07	0.083	0.38	0.005	0.005	0.074	0.01	0.02	0.125	0.192
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	42	0.015	0.025	0.11	0.001	0.001	0.028	0.002	0.005	0.035	0.067
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/24/90	2	4.45	4.45	8.9	0.	39.605	6.293	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	6	83.5	89.333	109.	73.	213.867	14.624	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/24/90	7	28.	25.436	44.	0.05	223.196	14.94	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	6	2.	2.	4.	1.	1.2	1.095	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/24/90	7	1.	0.993	2.	0.05	0.319	0.565	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/24/90	6	0.8	0.668	1.	0.01	0.12	0.346	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	54	3.	2.722	6.	2.	0.808	0.899	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	58	5.5	5.914	16.	0.	7.589	2.755	3.	4.	7.	9.1
01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/85-05/03/88	8 ##	1.	3.35	20.	0.8	45.266	6.728	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/85-05/13/91	11 ##	0.5	0.636	1.	0.5	0.055	0.234	0.5	0.5	1.	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/85-05/13/91	9 ##	1.	0.911	1.	0.2	0.071	0.267	0.2	1.	1.	1.
01037	COBALT, TOTAL (UG/L AS CO)	04/08/85-10/17/89	10 ##	0.5	1.35	8.	0.5	5.503	2.346	0.5	0.5	1.	7.3
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/08/85-05/13/91	11	1.	1.864	6.	0.5	2.805	1.675	0.6	1.	2.	5.6
01045	IRON, TOTAL (UG/L AS FE)	04/08/85-10/17/89	10	31.5	78.4	470.	5.	19564.933	139.875	5.1	9.	65.	431.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/08/85-05/13/91	11 ##	1.	1.745	10.	0.2	7.553	2.748	0.36	1.	1.	8.2
01067	NICKEL, TOTAL (UG/L AS NI)	04/08/85-10/17/89	10	1.5	3.21	11.	0.1	13.219	3.636	0.19	1.	5.75	10.7

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

Parameter Inventory for Station: BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	04/08/85-05/03/88	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/08/85-05/13/91	11 ##	5.	5.636	16.	3.	12.455	3.529	3.	5.	5.	13.8
01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/08/85-04/08/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/08/85-10/17/89	10	10.	12.6	40.	5.	115.6	10.752	5.	5.	15.5	38.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-03/28/88	10	35.	733.2	6000.	0.	3506009.067	1872.434	0.	1.5	440.	5492.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/15/85-03/28/88	10	1.54	1.527	3.778	0.	1.607	1.268	0.	0.226	2.576	3.697
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			33.638								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	95	6.	61.526	3325.	0.	123144.89	350.92	0.	2.	14.	55.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	95	0.778	0.802	3.522	0.	0.502	0.708	0.	0.301	1.146	1.743
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.345								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	58 ##	0.015	0.022	0.228	0.	0.001	0.032	0.001	0.015	0.015	0.04
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	12	2.15	2.442	4.4	0.7	1.532	1.238	0.85	1.425	3.65	4.22

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EPA Water Quality Criteria Analysis for Station: BUFF0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	60	2	0.03	34	1	0.03	17	0	0.00	9	1	0.11			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	84	0	0.00	45	0	0.00	26	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	75	1	0.01	41	1	0.02	23	0	0.00	11	0	0.00			
		Other-Lo Lim.	6.5	75	0	0.00	41	0	0.00	23	0	0.00	11	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	68	0	0.00	35	0	0.00	21	0	0.00	12	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	54	0	0.00	26	0	0.00	19	0	0.00	9	0	0.00			
		Drinking Water	250.	54	0	0.00	26	0	0.00	19	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	58	0	0.00	27	0	0.00	21	0	0.00	10	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	50.	8	0	0.00	3	0	0.00	5	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	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	1300.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	15.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	4	0	0.00	6	0	0.00						
		Drinking Water	100.	10	0	0.00	4	0	0.00	6	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	100.	8	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5000.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	10	1	0.10	6	0	0.00	2	0	0.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	95	3	0.03	52	1	0.02	28	0	0.00	15	2	0.13			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	8	22.75	20.313	30.1	5.	64.584	8.036	**	**	**	**
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	8	0.75	1.413	4.5	0.7	1.787	1.337	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	8	200.5	191.375	248.	95.	2887.982	53.74	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	8	3.	3.875	15.	0.	25.268	5.027	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	8	0.452	0.432	1.176	0.	0.187	0.432	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.707								

** - 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 box-and-whisker plot

Annual Analysis for 1986 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	6	26.75	23.167	30.	6.	85.467	9.245	**	**	**	**
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	6	0.65	0.683	1.	0.5	0.038	0.194	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	6	227.5	209.667	242.	123.	1971.467	44.401	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	4.	4.333	8.	0.	10.267	3.204	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	0.602	0.552	0.903	0.	0.124	0.352	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.564								

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

Annual Analysis for 1987 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	8	20.75	19.15	29.	6.5	86.946	9.324	**	**	**	**
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	8	0.7	1.013	2.5	0.4	0.644	0.803	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	8	179.	173.875	230.	61.	3025.268	55.002	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	4	8.075	8.065	8.31	7.8	0.047	0.217	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	4	8.069	8.024	8.31	7.8	0.049	0.222	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	4	0.009	0.009	0.016	0.005	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	8	7.	36.5	172.	0.	3898.	62.434	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	8	0.841	0.944	2.236	0.	0.662	0.814	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.791								

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

Annual Analysis for 1988 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	10	17.45	17.87	28.4	6.5	69.805	8.355	6.6	8.85	26.55	28.26
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	10	1.15	0.94	2.2	-0.5	0.754	0.868	0.31	0.475	2.05	-0.23
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	10	221.	222.1	317.	124.	4217.433	64.942	126.	160.5	265.	316.9
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	7.75	7.807	8.41	7.45	0.1	0.316	7.45	7.535	8.045	8.41
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	9	7.75	7.721	8.41	7.45	0.108	0.329	7.45	7.535	8.045	8.41
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	9	0.018	0.019	0.035	0.004	0.	0.011	0.004	0.009	0.029	0.035
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	10	10.	15.8	72.	0.	467.956	21.632	0.2	2.	18.	67.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	10	0.991	0.881	1.857	0.	0.335	0.579	0.03	0.301	1.229	1.819
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.609								

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

Annual Analysis for 1989 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	12	17.45	14.858	26.	5.5	49.608	7.043	5.56	6.125	19.3	24.86
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	10	0.65	0.85	1.8	0.3	0.276	0.525	0.31	0.4	1.4	1.76
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	12	233.	219.	273.	137.	2065.455	45.447	138.5	192.	258.	269.1
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.015	8.029	8.17	7.88	0.01	0.101	7.883	7.95	8.13	8.17
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	12	8.015	8.018	8.17	7.88	0.01	0.102	7.883	7.95	8.13	8.17
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	12	0.01	0.01	0.013	0.007	0.	0.002	0.007	0.007	0.011	0.013
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	12	6.	9.5	38.	0.	150.636	12.273	0.	0.	19.	33.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	12	0.778	0.647	1.58	0.	0.383	0.619	0.	0.	1.257	1.52
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.434								

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

Annual Analysis for 1990 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	15	16.	17.507	30.6	7.6	65.989	8.123	7.72	10.	28.	29.76
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	10	1.15	1.15	3.5	-0.5	1.645	1.283	0.13	0.475	3.275	-0.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	12	205.5	177.667	255.	76.	4548.788	67.445	78.7	101.75	231.5	251.1
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	12	7.93	7.96	8.2	7.74	0.028	0.166	7.752	7.813	8.125	8.194
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	12	7.928	7.932	8.2	7.74	0.028	0.168	7.752	7.813	8.125	8.194
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	12	0.012	0.012	0.018	0.006	0.	0.004	0.006	0.008	0.015	0.018
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	12	7.	78.25	790.	0.	50546.568	224.826	0.6	2.5	36.	569.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	12	0.841	0.994	2.898	0.	0.63	0.794	0.09	0.376	1.502	2.55
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.861								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	13	16.	17.885	30.	6.8	69.321	8.326	7.	10.9	26.25	30.
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	10	1.025	1.195	4.5	0.2	1.722	1.312	0.2	0.2	1.525	4.21
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	12	185.5	191.	248.	104.	2244.182	47.373	112.7	153.5	237.	246.2
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	10	8.075	8.06	8.21	7.89	0.016	0.127	7.891	7.908	8.185	8.209
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	10	8.073	8.043	8.21	7.89	0.017	0.129	7.891	7.907	8.185	8.209
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	10	0.008	0.009	0.013	0.006	0.	0.003	0.006	0.007	0.012	0.013
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	11	4.	45.091	410.	0.	14904.291	122.083	0.	0.	8.	339.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	11	0.602	0.757	2.613	0.	0.642	0.801	0.	0.	0.903	2.44
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.713								

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

Annual Analysis for 1992 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	7	19.	17.343	24.9	8.	42.556	6.524	**	**	**	**
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	7	1.3	1.314	3.	0.5	0.678	0.823	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	6	191.5	198.167	241.	160.	836.567	28.923	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.02	8.056	8.42	7.85	0.047	0.218	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.02	8.019	8.42	7.85	0.049	0.222	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	5	0.01	0.01	0.014	0.004	0.	0.004	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	7.	37.167	136.	0.	3046.567	55.196	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	0.801	1.01	2.134	0.	0.686	0.828	**	**	**	**

** - 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 1992 - Station BUFF0145

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 =			10.224								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	6	14.05	16.35	31.	8.	85.975	9.272	**	**	**	**
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	6	1.8	1.9	3.2	0.7	0.752	0.867	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	6	159.	170.167	277.	100.	3699.767	60.826	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.2	8.193	8.58	7.77	0.071	0.267	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.2	8.124	8.58	7.77	0.077	0.277	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.006	0.008	0.017	0.003	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	13.5	568.	3325.	0.	1824598.	1350.777	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	1.115	1.345	3.522	0.	1.474	1.214	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.134								

** - 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 1994 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	6	16.3	17.733	27.8	6.7	69.415	8.332	**	**	**	**
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	2	1.105	1.105	1.5	0.71	0.312	0.559	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	6	185.	181.167	266.	105.	3984.167	63.12	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.35	8.368	9.17	7.8	0.207	0.455	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.348	8.211	9.17	7.8	0.236	0.486	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.004	0.006	0.016	0.001	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	4.	6.5	17.	0.	49.1	7.007	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	0.54	0.571	1.23	0.	0.3	0.547	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.72								

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

Annual Analysis for 1995 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	6	16.35	16.567	30.5	5.5	80.575	8.976	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	6	203.5	202.833	251.	150.	2384.567	48.832	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	7.88	7.825	8.14	7.41	0.069	0.262	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	7.88	7.755	8.14	7.41	0.074	0.273	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.013	0.018	0.039	0.007	0.	0.012	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	4.	5.667	14.	0.	25.467	5.046	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	6	0.588	0.626	1.146	0.	0.164	0.405	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.223								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	4	11.25	13.15	29.8	0.3	149.99	12.247	**	**	**	**
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	2	1.53	1.53	1.9	1.16	0.274	0.523	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	4	180.5	179.	215.	140.	1482.	38.497	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	4	7.65	7.628	8.06	7.15	0.187	0.433	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	4	7.571	7.478	8.06	7.15	0.217	0.466	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	4	0.027	0.033	0.071	0.009	0.001	0.029	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	4	17.	21.25	50.	1.	536.917	23.171	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	4	1.04	0.945	1.699	0.	0.621	0.788	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.801								

** - Less than 9 observations ## - Computed with 50% or more 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: 7/15 to 1/09 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	53	20.	19.262	31.	0.3	77.125	8.782	7.38	10.4	28.1	30.
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	41	0.7	0.848	4.5	-0.5	0.862	0.928	0.22	0.4	1.33	2.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	34	1.35	5.262	72.	0.5	161.819	12.721	0.7	0.9	3.7	10.55
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	52	230.	220.269	317.	61.	2396.397	48.953	154.1	210.25	247.5	264.2
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	45	9.3	9.298	14.2	5.4	4.42	2.102	6.56	7.7	10.4	12.8
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	41	8.02	8.016	9.17	7.38	0.095	0.308	7.576	7.855	8.16	8.29
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	41	8.02	7.921	9.17	7.38	0.104	0.322	7.576	7.855	8.16	8.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	41	0.01	0.012	0.042	0.001	0.	0.009	0.005	0.007	0.014	0.027
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	27 ##	0.025	0.048	0.25	0.	0.003	0.051	0.022	0.025	0.06	0.114
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	35	0.05	0.063	0.25	0.005	0.004	0.067	0.005	0.01	0.1	0.172
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	20	0.015	0.023	0.078	0.003	0.	0.022	0.004	0.009	0.03	0.069
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	26	3.	3.038	6.	2.	1.158	1.076	2.	2.	3.25	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	27	6.	6.111	16.	1.	9.949	3.154	3.	4.	7.	10.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	52	4.	21.538	410.	0.	4008.214	63.31	0.	2.	9.5	51.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	52	0.602	0.733	2.613	0.	0.369	0.607	0.	0.301	0.976	1.711
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.41								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	27 ##	0.015	0.022	0.094	0.	0.	0.022	0.015	0.015	0.015	0.059

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	30	10.85	11.643	20.	5.5	23.526	4.85	5.78	7.25	16.925	19.
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	24	1.45	1.667	4.5	0.5	0.806	0.898	0.75	1.075	1.975	3.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	17	2.1	3.218	8.7	0.1	7.819	2.796	0.66	1.05	5.65	7.98
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	28	146.5	150.214	246.	85.	1285.508	35.854	94.6	126.5	176.	190.8
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	26	10.6	10.519	15.4	8.	2.378	1.542	8.5	9.375	11.35	12.03
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	23	8.05	8.01	8.41	7.15	0.088	0.297	7.542	7.89	8.2	8.362
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	23	8.05	7.883	8.41	7.15	0.105	0.324	7.542	7.89	8.2	8.362
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	23	0.009	0.013	0.071	0.004	0.	0.015	0.004	0.006	0.013	0.031
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	20	0.09	0.087	0.25	0.	0.005	0.072	0.003	0.025	0.115	0.227
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	21	0.1	0.107	0.38	0.02	0.008	0.087	0.03	0.03	0.14	0.206
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	15	0.015	0.021	0.06	0.001	0.	0.021	0.001	0.004	0.04	0.06
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	19	3.	2.579	4.	2.	0.368	0.607	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	21	5.	5.762	12.	0.	7.19	2.682	3.	4.	7.	9.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	28	3.	11.143	70.	0.	341.757	18.487	0.	0.	12.75	45.1
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	28	0.477	0.592	1.845	0.	0.411	0.641	0.	0.	1.098	1.653
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.911								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	20 ##	0.015	0.015	0.04	0.	0.	0.01	0.	0.015	0.015	0.038

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	18	23.25	23.028	29.	16.	18.855	4.342	16.	19.275	27.	28.1
00065	STAGE, STREAM (FEET)	04/08/85-07/22/96	14	0.8	1.139	3.5	0.2	0.713	0.844	0.35	0.7	1.5	2.75
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	9	4.	13.622	62.	0.7	420.967	20.517	0.7	1.	23.	62.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	16	196.5	188.938	248.	76.	1870.863	43.253	118.7	164.	224.5	238.2
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	13	7.9	7.977	9.5	6.	0.897	0.947	6.24	7.65	8.7	9.3
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	11	7.88	7.91	8.42	7.62	0.041	0.202	7.65	7.81	8.01	8.34
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	11	7.88	7.874	8.42	7.62	0.042	0.206	7.65	7.81	8.01	8.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	11	0.013	0.013	0.024	0.004	0.	0.005	0.005	0.01	0.015	0.023
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	11	0.025	0.064	0.297	0.	0.007	0.084	0.005	0.025	0.06	0.262

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	12	0.09	0.097	0.23	0.01	0.003	0.058	0.016	0.065	0.138	0.206
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	7	0.015	0.038	0.11	0.001	0.002	0.049	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	9	2.	2.111	3.	2.	0.111	0.333	2.	2.	2.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	10	6.	5.7	8.	3.	3.122	1.767	3.	4.5	7.25	8.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	15	14.	294.2	3325.	2.	742549.314	861.713	3.2	12.	56.	1804.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	15	1.146	1.435	3.522	0.301	0.699	0.836	0.482	1.079	1.748	3.147
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			27.223								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	11	0.015	0.036	0.228	0.	0.004	0.065	0.	0.015	0.03	0.188

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

Station Inventory for Station: BUFF0146

NPS Station ID: BUFF0146
LAT/LON: 36.014726/ -93.100837
Agency: 21ARUNFA
Date Created: 10/06/79
Location: UNMD CR 0.8 MI ABOVE HASTY LOW WATER BRIDGE
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF96
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005011
RF1 Mile Point: 4.310
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001105.62
RF3 Mile Point: 5.73
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM UNNAMED CREEK 0.8 MILE ABOVE HASTY LOW WATER BRIDGE

Parameter Inventory for Station: BUFF0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	22000.	22000.	22000.	22000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1073.	1073.	1073.	1073.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.97	0.97	0.97	0.97	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	865.	865.	865.	865.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	9000.	9000.	9000.	9000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0147

NPS Station ID: BUFF0147
LAT/LON: 36.029170/ -93.106115
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER APPR 700 FT FROM LOST HILL
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF95
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005011
RF1 Mile Point: 5.520
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005001500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 700 FEET FROM LOST HILL

Parameter Inventory for Station: BUFF0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1375.	1375.	1375.	1375.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	401.	401.	401.	401.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	157.	157.	157.	157.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	329.	329.	329.	329.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	11900.	11900.	11900.	11900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0148

NPS Station ID: BUFF0148
LAT/LON: 36.033337/ -93.107782
Agency: 21ARUNFA
Date Created: 10/06/79
Location: LITTLE BUFFALO R 225 FT FR BUFFALO R CONF
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF94
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005011
RF1 Mile Point: 5.880
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005004500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LITTLE BUFFALO RIVER 225 FEET FROM THE BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1893.	1893.	1893.	1893.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	363.	363.	363.	363.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	187.	187.	187.	187.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	463.	463.	463.	463.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	17000.	17000.	17000.	17000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0149

NPS Station ID: BUFF0149 LAT/LON: 36.033892/ -93.109726 Agency: 1116APCC Date Created: 02/03/90
Location: LITTLE BUFFALO RIVER-TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS014 /BUFT05 /4J00026
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 232 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38M
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 3.70 On/Off RF1:
RF3 Index: 11010005001201.54 RF3 Mile Point: 5.29 Distance from RF3: 0.02 On/Off RF3:
Description:
POINT LOCATION: APPROX 1000 FEET UPSTREAM FROM THE MOUTH OF THE STREAM -- ACCESS VIA UNPAVED (4X4)ROAD 2.8 MILES NORTHEAST OF HIGHWAY 74 AT THE COMMUNITY OF FLATWOODS

Parameter Inventory for Station: BUFF0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	82	21.85	20.182	30.8	6.	53.326	7.302	8.06	14.	26.325	28.52
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/90-06/06/94	5	29.	20.88	35.	4.	203.872	14.278	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/13/95	21	103.	119.619	401.	5.	12661.748	112.524	6.8	24.	194.	325.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-07/17/96	9	22.	81.889	223.	4.	7356.111	85.768	4.	8.	156.	223.
00065	STAGE, STREAM (FEET)	04/29/85-06/03/96	53	1.85	0.229	3.55	-0.99	0.799	0.894	0.198	0.47	-0.43	-0.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	52	1.35	2.673	20.	0.4	12.796	3.577	0.6	0.8	2.975	6.51
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	79	209.	196.203	266.	104.	1906.599	43.665	131.	162.	232.	249.
00300	OXYGEN, DISSOLVED MG/L	08/18/88-12/02/96	62	9.6	9.715	13.3	5.9	3.061	1.75	7.5	8.475	11.	12.31
00400	PH (STANDARD UNITS)	06/16/87-12/02/96	66	8.06	8.07	8.85	7.46	0.068	0.261	7.78	7.9	8.238	8.436
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/02/96	66	8.06	7.998	8.85	7.46	0.074	0.271	7.78	7.9	8.237	8.436
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/02/96	66	0.009	0.01	0.035	0.001	0.	0.006	0.004	0.006	0.013	0.017
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/93-11/08/93	4	124.	120.	128.	104.	117.333	10.832	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	43 ##	0.025	0.043	0.122	0.	0.001	0.028	0.022	0.025	0.064	0.087
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/89-01/13/92	11	0.28	0.325	0.7	0.1	0.036	0.191	0.1	0.2	0.54	0.668
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	45	0.07	0.084	0.62	0.005	0.01	0.102	0.01	0.01	0.12	0.168
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/89-09/28/92	18 ##	0.015	0.015	0.06	0.001	0.	0.014	0.001	0.006	0.015	0.042
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	8	124.	121.75	178.	86.	813.929	28.529	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/90-08/19/96	41	3.	2.878	5.	2.	0.51	0.714	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/90-08/19/96	41	7.	7.	13.	2.	6.6	2.569	4.	5.	8.	10.8
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/27/85-09/19/87	9	40.	61.444	155.	0.	3543.278	59.525	0.	11.	128.	155.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	03/27/85-09/19/87	9	1.602	1.42	2.19	0.	0.617	0.785	0.	0.801	2.106	2.19
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26.325								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	79	10.	27.81	480.	0.	4889.207	69.923	1.	4.	22.	56.

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

Parameter Inventory for Station: BUFF0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	79	1.	0.996	2.681	0.	0.336	0.579	0.	0.602	1.342	1.748
31616	GM FECAL COLIFORM,MEMBR FILTR,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.911								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/90-08/19/96	40 ##	0.015	0.021	0.116	0.	0.	0.018	0.015	0.015	0.026	0.034
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	12	1.6	1.95	5.1	0.4	2.11	1.453	0.43	0.625	2.975	4.59

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

EPA Water Quality Criteria Analysis for Station: BUFF0149

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	52	0	0.00	27	0	0.00	12	0	0.00	13	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	62	0	0.00	34	0	0.00	15	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	66	0	0.00	35	0	0.00	15	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	66	0	0.00	35	0	0.00	15	0	0.00	16	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	45	0	0.00	22	0	0.00	11	0	0.00	12	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	41	0	0.00	19	0	0.00	12	0	0.00	10	0	0.00			
		Drinking Water	250.	41	0	0.00	19	0	0.00	12	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	41	0	0.00	19	0	0.00	12	0	0.00	10	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	9	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	79	2	0.03	40	1	0.03	18	0	0.00	21	1	0.05			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	43	24.	21.581	30.8	6.5	56.66	7.527	7.88	16.5	27.9	29.84
00065	STAGE, STREAM (FEET)	04/29/85-06/03/96	23	-0.4	-0.151	3.55	-0.99	0.892	0.944	0.5	-0.08	-0.7	-0.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	27	0.9	2.237	20.	0.4	15.875	3.984	0.48	0.7	1.5	6.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	40	227.5	215.95	266.	104.	1604.51	40.056	133.6	219.	239.25	252.7
00300	OXYGEN, DISSOLVED MG/L	08/18/88-12/02/96	34	9.65	9.615	13.	5.9	3.129	1.769	7.25	8.35	10.8	12.35
00400	PH (STANDARD UNITS)	06/16/87-12/02/96	35	8.02	8.034	8.66	7.46	0.05	0.224	7.804	7.9	8.12	8.34
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/02/96	35	8.02	7.981	8.66	7.46	0.053	0.23	7.804	7.9	8.12	8.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/02/96	35	0.01	0.01	0.035	0.002	0.	0.006	0.005	0.008	0.013	0.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	20 ##	0.025	0.04	0.09	0.01	0.001	0.024	0.021	0.025	0.062	0.079
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	22	0.03	0.062	0.25	0.005	0.004	0.067	0.01	0.01	0.12	0.154
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/90-08/19/96	19	3.	3.105	4.	2.	0.433	0.658	2.	3.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/90-08/19/96	19	6.	6.421	13.	2.	8.924	2.987	3.	4.	8.	13.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	40	10.	22.825	380.	0.	3853.84	62.079	2.	4.25	16.	29.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	40	1.	0.947	2.58	0.	0.258	0.507	0.301	0.626	1.204	1.464
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.854								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/90-08/19/96	18 ##	0.015	0.025	0.116	0.	0.001	0.025	0.014	0.015	0.031	0.057

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	17	12.5	12.153	18.	6.	14.779	3.844	6.48	8.5	15.25	17.6
00065	STAGE, STREAM (FEET)	04/29/85-06/03/96	15	0.77	0.764	2.5	-0.5	0.587	0.766	0.212	0.3	1.53	1.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	12	1.95	3.45	14.	0.7	14.234	3.773	0.7	1.25	4.6	11.78
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	18	154.5	152.722	200.	105.	630.448	25.109	105.9	137.	174.	178.4
00300	OXYGEN, DISSOLVED MG/L	08/18/88-12/02/96	15	11.	10.72	13.3	8.3	2.126	1.458	8.6	9.5	12.	12.76
00400	PH (STANDARD UNITS)	06/16/87-12/02/96	15	8.23	8.169	8.85	7.54	0.123	0.35	7.57	7.94	8.42	8.664
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/02/96	15	8.23	8.036	8.85	7.54	0.141	0.376	7.57	7.94	8.42	8.664
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/02/96	15	0.006	0.009	0.029	0.001	0.	0.008	0.002	0.004	0.011	0.027
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	12 ##	0.025	0.044	0.11	0.025	0.001	0.03	0.025	0.025	0.074	0.102
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	11	0.07	0.071	0.14	0.01	0.002	0.041	0.014	0.04	0.11	0.136
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/90-08/19/96	12	3.	2.583	3.	2.	0.265	0.515	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/90-08/19/96	12	8.	8.333	11.	5.	2.97	1.723	5.3	8.	10.	10.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	18	7.5	18.5	96.	0.	865.206	29.414	0.	1.	22.	95.1
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	18	0.874	0.834	1.982	0.	0.434	0.659	0.	0.	1.338	1.978
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.82								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/90-08/19/96	12 ##	0.015	0.018	0.039	0.015	0.	0.008	0.015	0.015	0.015	0.037

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	22	23.7	23.65	29.	17.	12.311	3.509	17.42	21.9	26.475	28.34
00065	STAGE, STREAM (FEET)	04/29/85-06/03/96	15	0.82	0.275	1.7	-0.5	0.436	0.66	0.048	0.28	-0.3	-0.44
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	13	1.6	2.862	7.9	0.7	5.868	2.422	0.74	1.15	5.2	7.26
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	21	190.	195.857	259.	130.	1289.529	35.91	134.2	174.5	219.5	253.8
00300	OXYGEN, DISSOLVED MG/L	08/18/88-12/02/96	13	8.6	8.815	13.	6.8	2.306	1.519	7.04	8.	9.2	11.88
00400	PH (STANDARD UNITS)	06/16/87-12/02/96	16	8.09	8.056	8.59	7.62	0.055	0.234	7.732	7.89	8.233	8.373
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/02/96	16	8.09	8.	8.59	7.62	0.058	0.241	7.732	7.89	8.232	8.373
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/02/96	16	0.008	0.01	0.024	0.003	0.	0.005	0.004	0.006	0.013	0.019
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/89-08/19/96	11	0.025	0.046	0.122	0.	0.001	0.036	0.004	0.025	0.065	0.116
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/06/89-08/19/96	12	0.085	0.136	0.62	0.01	0.027	0.166	0.01	0.04	0.17	0.497
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/90-08/19/96	10	3.	2.8	5.	2.	0.844	0.919	2.	2.	3.	4.8

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/90-08/19/96	10	6.	6.5	12.	5.	4.5	2.121	5.	5.	7.	11.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	21	18.	45.286	480.	0.	10369.114	101.829	2.4	7.	38.5	71.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	21	1.255	1.229	2.681	0.	0.353	0.594	0.361	0.841	1.577	1.855
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.928								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/90-08/19/96	10 ##	0.015	0.019	0.034	0.	0.	0.01	0.002	0.015	0.03	0.034

** - Less than 9 observations ## - Computed 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: BUFF0150

NPS Station ID: BUFF0150 | LAT/LON: 36.094448/ -93.130559 | Agency: 21ARAPCC | Date Created: 08/12/77
Location: MILL CREEK BL DOGPATCH USA | FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 060309 /4J143
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 11010005 | Depth of Water: 0 | Aquifer:
Major Basin: SC LOWER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: WHITE RIVER | ECO Region:
RF1 Index: 11010005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 11010005001203.32 | RF3 Mile Point: 3.92 | Distance from RF3: 0.02 | On/Off RF3:
Description:
A BASIN SURVEY STATION INITIATED IN THE SUMMERS OF 1970-1971 AS PART OF A STUDY OF THE WATER QUALITY AND SOURCES OF POLLUTION IN THE ARKANSAS PORTION OF THE WHITE RIVER BASIN THIS STATION IS LOCATED ON MILL CREEK BELOW DOGPATCH STP OUTFALL
THIS STATION WAS ORIGINALLY DESIGNATED AS 119UA SECTION 29 TOWNSHIP 17 NORTH RANGE 20 WEST IN NEWTON COUNTY ARKANSAS

Parameter Inventory for Station: BUFF0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/71-07/20/71	2	26.5	26.5	29.	24.	12.5	3.536	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/08/71-07/20/71	2	27.25	27.25	30.	24.5	15.125	3.889	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/08/71-07/20/71	3 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/71-07/20/71	3	395.	349.	398.	254.	6771.	82.286	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/71-07/20/71	3	8.	7.933	8.5	7.3	0.363	0.603	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/08/71-07/20/71	3	2.3	2.067	2.6	1.3	0.463	0.681	**	**	**	**
00400	PH (STANDARD UNITS)	07/08/71-07/20/71	3	7.4	7.567	8.2	7.1	0.323	0.569	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/08/71-07/20/71	3	7.4	7.378	8.2	7.1	0.377	0.614	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/71-07/20/71	3	0.04	0.042	0.079	0.006	0.001	0.037	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/08/71-07/20/71	3	203.	205.667	216.	198.	86.333	9.292	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/71-07/20/71	3	4.	4.667	6.	4.	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 time series plot

EPA Water Quality Criteria Analysis for Station: BUFF0150

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00				2	0	0.00			
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
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			

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

Station Inventory for Station: BUFF0151

NPS Station ID: BUFF0151
LAT/LON: 36.057781/ -93.131948
Agency: 1116APCC
Date Created: 02/03/90
Location: MILL CREEK - TRIBUTARY OF BUFFALO RIVER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS013 /BUFT04 /4J00025
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 238
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 3.90
On/Off RF1:
RF3 Index: 11010005047500.00
RF3 Mile Point: 0.70
Distance from RF3: 0.06
On/Off RF3:
Description:
POINT LOCATION: AT THE MOUTH OF THE CREEK JUST BELOW THE LOWER PRUITT CANOE ACCESS 0.4 MILES SOUTHEAST OF THE HIGHWAY 7 BRIDGE

Parameter Inventory for Station: BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	86	19.3	18.319	29.	5.3	41.917	6.474	7.78	13.35	23.25	26.26
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-06/06/94	6	23.05	18.35	28.	4.	112.375	10.601	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/13/95	21	16.	21.333	77.	2.	361.133	19.004	3.2	7.	34.5	47.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	10	11.5	29.7	120.	1.	1563.567	39.542	1.2	3.75	50.	115.7
00065	STAGE, STREAM (FEET)	04/08/85-12/02/96	52	1.77	-0.425	2.9	-8.94	10.834	3.292	0.4	0.663	-0.963	-7.976
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	57	2.	3.323	19.	0.3	14.267	3.777	0.6	0.95	4.25	8.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	84	313.	307.857	496.	211.	1683.136	41.026	252.5	285.25	330.5	347.5
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	68	9.55	9.666	13.8	6.3	2.305	1.518	7.98	8.6	10.575	11.81
00400	PH (STANDARD UNITS)	06/16/87-12/02/96	69	8.04	8.044	8.5	6.8	0.08	0.282	7.76	7.94	8.23	8.38
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/02/96	69	8.04	7.899	8.5	6.8	0.101	0.318	7.76	7.94	8.23	8.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/02/96	69	0.009	0.013	0.158	0.003	0.	0.021	0.004	0.006	0.011	0.017
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/93-11/08/93	4	172.5	171.	179.	160.	64.667	8.042	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-08/19/96	50 ##	0.025	0.05	0.55	0.	0.007	0.082	0.02	0.025	0.059	0.089
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-01/13/92	16	0.315	0.308	0.52	0.1	0.012	0.111	0.17	0.2	0.388	0.464
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-08/19/96	53	0.45	0.458	0.75	0.14	0.03	0.173	0.19	0.315	0.61	0.71
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-09/28/92	24	0.015	0.026	0.06	0.001	0.	0.02	0.002	0.012	0.049	0.055
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	8	172.5	175.	205.	160.	192.	13.856	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-08/19/96	48	4.	4.438	7.	3.	0.847	0.92	3.	4.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-08/19/96	49	8.	8.082	20.	2.	11.702	3.421	3.	6.	10.	12.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/27/85-09/19/87	9	140.	202.333	735.	0.	45812.75	214.039	0.	82.5	232.5	735.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	03/27/85-09/19/87	9	2.146	1.985	2.866	0.	0.656	0.81	0.	1.866	2.366	2.866
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			96.71								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	84	20.	108.202	3760.	0.	179570.959	423.758	2.	8.	63.	173.5

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

Parameter Inventory for Station: BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	84	1.301	1.345	3.575	0.	0.486	0.697	0.301	0.903	1.799	2.239
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.154								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-08/19/96	48 ##	0.015	0.023	0.137	0.	0.001	0.023	0.015	0.015	0.026	0.042
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	12	1.8	3.217	13.	0.7	12.158	3.487	0.76	1.15	4.4	10.93

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

EPA Water Quality Criteria Analysis for Station: BUFF0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	57	0	0.00	28	0	0.00	16	0	0.00	13	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	68	0	0.00	32	0	0.00	21	0	0.00	15	0	0.00			
00400	PH	Other-Hi Lim.	9.	69	0	0.00	33	0	0.00	19	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	69	0	0.00	33	0	0.00	19	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	53	0	0.00	25	0	0.00	16	0	0.00	12	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	48	0	0.00	22	0	0.00	16	0	0.00	10	0	0.00			
		Drinking Water	250.	48	0	0.00	22	0	0.00	16	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	49	0	0.00	22	0	0.00	17	0	0.00	10	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	9	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	84	7	0.08	40	2	0.05	22	2	0.09	22	3	0.14			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	12	23.	22.575	29.	14.5	23.213	4.818	14.95	18.425	27.125	29.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	12	297.5	295.333	328.	243.	509.152	22.564	249.6	290.75	311.75	323.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	12	5.5	34.583	350.	0.	9884.811	99.422	0.6	2.5	9.5	249.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	12	0.739	0.82	2.544	0.	0.408	0.639	0.09	0.376	0.976	2.142
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.604								

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

Annual Analysis for 1987 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	4	24.	24.125	26.	22.5	2.729	1.652	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	4	276.5	272.	285.	250.	232.667	15.253	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	4	11.	11.	16.	6.	22.667	4.761	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	4	1.025	1.008	1.204	0.778	0.04	0.201	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.183								

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

Annual Analysis for 1988 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	5	24.3	24.7	27.8	20.5	7.915	2.813	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	5	286.	288.2	310.	269.	252.7	15.897	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	5	18.	58.2	247.	2.	11204.2	105.85	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	5	1.255	1.17	2.393	0.301	0.649	0.806	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.805								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	9	20.6	21.178	25.5	17.1	6.414	2.533	17.1	19.75	23.2	25.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	9	295.	290.778	325.	255.	670.694	25.898	255.	265.5	314.5	325.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	9	20.	24.778	65.	4.	363.944	19.077	4.	11.	36.	65.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	9	1.301	1.27	1.813	0.602	0.137	0.37	0.602	1.025	1.55	1.813
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.605								

** - 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

Annual Analysis for 1990 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	15	16.	16.807	26.7	9.7	28.954	5.381	9.88	11.4	21.9	25.68
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	13	314.	299.769	350.	211.	2378.859	48.774	217.	252.	341.5	349.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	14	52.	324.286	3760.	4.	979828.374	989.863	7.	25.	107.	1962.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	14	1.716	1.753	3.575	0.602	0.467	0.683	0.801	1.386	2.029	2.896
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			56.666								

** - 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 1991 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	14	14.5	15.807	28.	6.7	52.955	7.277	6.75	7.5	22.025	27.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	13	320.	313.308	347.	247.	875.897	29.596	250.6	309.5	331.5	343.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	12	26.	92.167	670.	0.	34821.424	186.605	3.	13.5	100.	507.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	12	1.403	1.468	2.826	0.	0.48	0.693	0.3	1.123	1.96	2.61
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			29.357								

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

Annual Analysis for 1992 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	6	14.25	14.317	23.	7.5	42.038	6.484	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	6	331.	358.5	496.	310.	4828.3	69.486	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	6	13.	156.333	850.	2.	115933.467	340.49	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	6	1.04	1.229	2.929	0.301	1.022	1.011	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.944								

** - 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

Annual Analysis for 1993 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	6	12.	14.	24.	6.5	63.9	7.994	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	6	334.	320.833	356.	240.	1771.367	42.088	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	6	37.5	84.667	340.	2.	16731.867	129.352	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	6	1.439	1.422	2.531	0.301	0.653	0.808	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			26.436								

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

Annual Analysis for 1994 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	6	18.15	17.183	26.2	5.3	48.214	6.944	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	6	314.	289.833	322.	212.	2028.567	45.04	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	6	77.5	98.167	245.	2.	11296.567	106.285	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	6	1.581	1.468	2.389	0.301	0.826	0.909	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			29.406								

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

Annual Analysis for 1995 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	5	15.3	17.04	26.4	10.2	53.343	7.304	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	6	344.5	345.833	380.	323.	362.967	19.052	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	6	29.5	33.667	63.	20.	259.067	16.096	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	6	1.467	1.491	1.799	1.301	0.035	0.188	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.988								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	4	14.	15.575	24.9	9.4	44.156	6.645	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	4	324.5	327.5	356.	305.	549.667	23.445	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	4	48.5	58.25	129.	7.	3355.583	57.927	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	4	1.545	1.511	2.111	0.845	0.359	0.599	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.464								

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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	41	22.	20.029	29.	6.5	43.514	6.597	9.46	14.9	24.95	27.58
00065	STAGE, STREAM (FEET)	04/08/85-12/02/96	23	1.38	-0.26	2.4	-8.06	8.025	2.833	0.308	0.4	2.4	-5.868
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	28	1.85	3.064	19.	0.3	17.449	4.177	0.3	0.725	3.225	8.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	40	313.5	308.85	380.	240.	1059.515	32.55	250.5	288.75	327.25	348.7
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	32	9.25	9.587	13.8	6.3	2.435	1.561	8.06	8.6	10.525	11.87
00400	PH (STANDARD UNITS)	06/16/87-12/02/96	33	8.	7.959	8.36	7.06	0.052	0.229	7.7	7.87	8.055	8.166
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/02/96	33	8.	7.874	8.36	7.06	0.06	0.244	7.7	7.87	8.055	8.166
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/02/96	33	0.01	0.013	0.087	0.004	0.	0.014	0.007	0.009	0.013	0.02
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-08/19/96	22 ##	0.025	0.04	0.13	0.01	0.001	0.031	0.02	0.025	0.059	0.091
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-08/19/96	25	0.44	0.437	0.73	0.14	0.029	0.17	0.156	0.295	0.59	0.644
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-08/19/96	22	5.	4.864	7.	4.	0.79	0.889	4.	4.	5.25	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-08/19/96	22	7.	6.591	13.	2.	9.396	3.065	2.3	4.	8.	11.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	40	17.	65.55	850.	0.	27864.767	166.927	2.	7.25	35.25	141.1
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	40	1.23	1.234	2.929	0.	0.444	0.667	0.301	0.86	1.547	2.148
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.137								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-08/19/96	21 ##	0.015	0.027	0.137	0.	0.001	0.03	0.015	0.015	0.035	0.07

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	23	12.6	12.257	18.2	5.3	17.638	4.2	6.58	7.9	16.	17.96
00065	STAGE, STREAM (FEET)	04/08/85-12/02/96	16	2.45	-1.286	2.9	-8.94	16.81	4.1	0.57	0.9	-3.433	-8.688
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	16	2.2	3.	15.	0.9	11.747	3.427	0.9	1.	3.2	7.86
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	22	317.	311.636	496.	211.	3652.909	60.439	217.7	271.	344.5	353.6
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	21	10.4	10.462	13.	8.	1.665	1.291	8.5	9.7	11.35	12.52
00400	PH (STANDARD UNITS)	06/16/87-12/02/96	19	8.24	8.192	8.46	6.8	0.132	0.363	7.96	8.2	8.38	8.45
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/02/96	19	8.24	7.863	8.46	6.8	0.246	0.496	7.96	8.2	8.38	8.45
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/02/96	19	0.006	0.014	0.158	0.003	0.001	0.035	0.004	0.004	0.006	0.011
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-08/19/96	17 ##	0.025	0.057	0.55	0.	0.016	0.128	0.	0.025	0.025	0.16
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-08/19/96	16	0.49	0.499	0.71	0.19	0.027	0.164	0.274	0.335	0.64	0.71
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-08/19/96	16	4.	4.125	5.	3.	0.65	0.806	3.	3.25	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-08/19/96	17	10.	10.353	20.	6.	10.618	3.258	6.8	8.	12.	15.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	22	20.	52.	350.	2.	7294.571	85.408	2.6	8.	54.75	204.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	22	1.301	1.321	2.544	0.301	0.362	0.601	0.391	0.903	1.737	2.285
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.933								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-08/19/96	17 ##	0.015	0.019	0.07	0.	0.	0.016	0.	0.015	0.015	0.046

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	22	21.85	21.468	28.	15.	11.946	3.456	15.7	19.45	23.25	26.49
00065	STAGE, STREAM (FEET)	04/08/85-12/02/96	13	1.88	0.345	2.2	-8.61	8.638	2.939	0.404	0.77	2.12	-6.066
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-12/02/96	13	2.3	4.277	10.7	1.1	11.355	3.37	1.18	1.4	6.75	10.42
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	22	304.5	302.273	356.	226.	982.303	31.342	256.6	278.75	325.	339.1
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	15	8.4	8.72	11.5	7.3	1.337	1.156	7.36	7.8	9.5	10.66
00400	PH (STANDARD UNITS)	06/16/87-12/02/96	17	8.	8.042	8.5	7.73	0.045	0.212	7.77	7.895	8.14	8.484
00400	CONVERTED PH (STANDARD UNITS)	06/16/87-12/02/96	17	8.	7.999	8.5	7.73	0.047	0.216	7.77	7.895	8.14	8.484
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/87-12/02/96	17	0.01	0.01	0.019	0.003	0.	0.004	0.003	0.007	0.013	0.017
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-08/19/96	11	0.03	0.058	0.25	0.	0.005	0.068	0.005	0.025	0.066	0.216
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-08/19/96	12	0.42	0.445	0.75	0.18	0.039	0.197	0.183	0.305	0.648	0.747
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-08/19/96	10	4.	4.	5.	3.	0.667	0.816	3.	3.	5.	5.

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-08/19/96	10	8.	7.5	10.	2.	6.056	2.461	2.3	6.5	9.25	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	22	50.	241.955	3760.	2.	625173.569	790.679	2.6	6.	128.25	312.1
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	22	1.693	1.573	3.575	0.301	0.655	0.81	0.391	0.778	2.108	2.49
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			37.396								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-08/19/96	10 ##	0.015	0.022	0.052	0.015	0.	0.012	0.015	0.015	0.03	0.05

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

Station Inventory for Station: BUFF0152

NPS Station ID: BUFF0152
LAT/LON: 36.058337/ -93.132781
Agency: 21ARUNFA
Date Created: 10/06/79
Location: MILL CREEK AT BUFFALO RIVER CONFLUENCE
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF93
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 2.360
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001203.32
RF3 Mile Point: 3.92
Distance from RF3: 0.00
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM MILL CREEK AT BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	31200.	31200.	31200.	31200.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	436.	436.	436.	436.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	85.	85.	85.	85.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.41	1.41	1.41	1.41	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	431.	431.	431.	431.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	5000.	5000.	5000.	5000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0153

NPS Station ID: BUFF0153
LAT/LON: 36.058893/ -93.136670
Agency: 1116APCC
Date Created: 02/03/90
Location: BUFFALO RIVER AT PRUITT
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS003 /BUFR03 /4J00012
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 238
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 2.80
On/Off RF1:
RF3 Index: 11010005001221.46
RF3 Mile Point: 21.47
Distance from RF3: 0.02
On/Off RF3:
Description:
POINT LOCATION: LOWER PRUITT CANOE ACCESS AREA 2000 FEET DOWN RIVER FROM THE HIGHWAY 7 BR BRIDGE

Parameter Inventory for Station: BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	109	16.	16.7	32.	0.2	68.162	8.256	6.1	9.	24.	28.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	7	23.	20.	32.	4.	99.667	9.983	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	21	159.	231.714	736.	6.	50334.314	224.353	7.	15.5	429.5	548.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	10	310.	394.1	1000.	6.	101634.767	318.802	8.9	104.75	613.	973.6
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	96	1.	1.134	4.5	-0.5	0.821	0.906	0.27	0.5	1.575	2.43
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	64	1.3	6.994	82.	0.1	294.389	17.158	0.6	0.8	5.075	12.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	100	172.	175.49	343.	44.	3601.869	60.016	97.4	127.25	222.25	245.6
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	89	9.2	9.502	15.3	5.9	3.678	1.918	7.	8.	10.65	12.
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	82	7.97	7.948	8.86	6.92	0.09	0.3	7.572	7.818	8.108	8.301
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	82	7.97	7.823	8.86	6.92	0.106	0.325	7.572	7.817	8.108	8.301
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	82	0.011	0.015	0.12	0.001	0.	0.017	0.005	0.008	0.015	0.027
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	60.	50.2	94.	0.	1288.2	35.892	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	64	0.025	0.064	1.	0.	0.017	0.129	0.	0.025	0.072	0.13
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/85-12/17/90	36	0.27	0.31	1.	0.05	0.049	0.221	0.085	0.14	0.42	0.544
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	73	0.03	0.053	0.27	0.005	0.003	0.059	0.01	0.01	0.07	0.146
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	46	0.015	0.024	0.12	0.001	0.001	0.029	0.001	0.004	0.032	0.067
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/24/90	2	4.35	4.35	8.7	0.	37.845	6.152	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	6	69.	77.5	107.	60.	346.7	18.62	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	06/09/87-01/28/91	9	23.	19.45	43.	-4.	228.785	15.126	0.05	4.5	30.	43.
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	06/09/87-10/17/89	7	2.	2.	4.	1.	1.	1.	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	06/09/87-09/24/90	8	1.	1.231	3.	0.05	0.788	0.888	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	06/09/87-09/24/90	7	0.7	0.616	0.9	0.01	0.083	0.288	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	55	2.	2.6	6.	1.	0.911	0.955	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	62	5.	5.452	14.	1.	4.809	2.193	3.	4.	7.	8.
01002	ARSENIC, TOTAL (UG/L AS AS)	01/28/87-05/03/88	6 ##	1.	1.5	4.	1.	1.5	1.225	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/28/87-08/26/91	10 ##	0.5	0.61	2.	0.1	0.254	0.504	0.14	0.5	0.5	1.85
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/28/87-08/26/91	8 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	01/28/87-10/17/89	8 ##	0.5	1.625	8.	0.5	6.911	2.629	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/28/87-08/26/91	10	1.5	2.6	6.	1.	3.822	1.955	1.	1.	4.25	5.9
01045	IRON, TOTAL (UG/L AS FE)	01/28/87-10/17/89	9	70.	67.556	180.	13.	2689.028	51.856	13.	28.	90.	180.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/28/87-08/26/91	10 ##	1.	1.9	10.	1.	8.1	2.846	1.	1.	1.	9.1
01067	NICKEL, TOTAL (UG/L AS NI)	01/28/87-10/17/89	8	1.	3.375	9.	1.	11.982	3.462	**	**	**	**

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

Parameter Inventory for Station: BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	01/28/87-05/03/88	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/28/87-08/26/91	9	5.	7.556	24.	2.	44.528	6.673	2.	4.	9.5	24.
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	01/28/87-10/17/89	9	10.	19.556	80.	5.	579.778	24.079	5.	6.	25.	80.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/15/85-03/28/88	9	90.	640.	4000.	0.	1688650.	1299.481	0.	5.	765.	4000.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/15/85-03/28/88	9	1.954	1.755	3.602	0.	1.608	1.268	0.	0.5	2.883	3.602
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			56.936								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	98	6.	52.622	3100.	0.	101138.547	318.023	0.	2.	15.25	45.3
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	98	0.778	0.818	3.491	0.	0.442	0.665	0.	0.301	1.183	1.656
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.582								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/28/88-03/28/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	62 ##	0.015	0.021	0.153	0.	0.001	0.025	0.	0.015	0.015	0.05
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	12	2.25	5.675	42.	0.5	133.333	11.547	0.59	0.925	4.425	30.87

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

EPA Water Quality Criteria Analysis for Station: BUFF0153

				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	64	3	0.05	35	2	0.06	20	0	0.00	9	1	0.11			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	89	0	0.00	43	0	0.00	33	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	82	0	0.00	43	0	0.00	27	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	82	0	0.00	43	0	0.00	27	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	73	0	0.00	38	0	0.00	22	0	0.00	13	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	55	0	0.00	28	0	0.00	17	0	0.00	10	0	0.00			
		Drinking Water	250.	55	0	0.00	28	0	0.00	17	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	62	0	0.00	29	0	0.00	22	0	0.00	11	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	2	0	0.00	4	0	0.00						
		Drinking Water	50.	6	0	0.00	2	0	0.00	4	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	10	0	0.00	4	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	5.	10	0	0.00	4	0	0.00	5	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	3	0	0.00	4	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.	10	0	0.00	4	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	1300.	10	0	0.00	4	0	0.00	5	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	4	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	15.	10	0	0.00	4	0	0.00	5	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	100.	8	0	0.00	3	0	0.00	5	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	6	0	0.00	2	0	0.00	4	0	0.00						
		Drinking Water	100.	6	0	0.00	2	0	0.00	4	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.	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			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	9	1	0.11	5	0	0.00	3	0	0.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	98	2	0.02	53	0	0.00	31	1	0.03	14	1	0.07			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	9	22.5	19.6	29.	5.	57.883	7.608	5.	14.	25.55	29.
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	9	0.8	1.522	4.5	0.7	1.672	1.293	0.7	0.7	2.25	4.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	9	174.	178.667	247.	127.	2428.	49.275	127.	129.	232.5	247.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	7	2.	27.714	174.	0.	4171.238	64.585	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	7	0.301	0.678	2.241	0.	0.573	0.757	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.764								

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

Annual Analysis for 1986 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	6	25.5	22.5	29.	6.	75.4	8.683	**	**	**	**
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	6	0.65	0.683	1.	0.5	0.038	0.194	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	6	206.	199.333	232.	155.	1029.067	32.079	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	2.	3.333	10.	0.	17.067	4.131	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	0.301	0.397	1.	0.	0.205	0.452	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.493								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	8	19.5	18.6	32.	4.5	107.666	10.376	**	**	**	**
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	8	0.75	1.025	2.5	0.4	0.636	0.798	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	8	180.5	165.625	229.	44.	3853.982	62.08	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.14	8.058	8.24	7.77	0.039	0.198	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	5	8.14	8.02	8.24	7.77	0.041	0.203	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	5	0.007	0.01	0.017	0.006	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	8	4.	14.25	64.	0.	545.643	23.359	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	8	0.602	0.684	1.806	0.	0.446	0.668	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.827								

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

Annual Analysis for 1988 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	10	17.2	17.53	30.4	6.2	75.522	8.69	6.24	8.4	25.5	29.91
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	10	1.15	0.94	2.2	-0.5	0.754	0.868	0.31	0.475	2.05	-0.23
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	10	211.5	197.6	310.	95.	4805.378	69.321	97.2	138.75	243.5	307.1
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	9	7.65	7.743	8.41	7.41	0.117	0.342	7.41	7.49	8.005	8.41
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	9	7.65	7.652	8.41	7.41	0.127	0.356	7.41	7.49	8.005	8.41
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	9	0.022	0.022	0.039	0.004	0.	0.012	0.004	0.011	0.032	0.039
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	10	6.	17.6	120.	0.	1332.267	36.5	0.	3.	11.5	110.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	10	0.778	0.786	2.079	0.	0.367	0.605	0.	0.452	1.013	2.006
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.114								

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

Annual Analysis for 1989 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	13	15.8	13.862	26.8	4.4	68.558	8.28	4.6	5.05	20.65	26.48
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	11	0.5	0.791	1.8	0.2	0.287	0.536	0.22	0.4	1.4	1.72
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	13	220.	213.	343.	116.	4965.	70.463	118.4	147.5	255.5	332.2
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	13	7.99	7.982	8.15	7.83	0.008	0.088	7.838	7.92	8.03	8.118
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	13	7.99	7.973	8.15	7.83	0.008	0.088	7.838	7.92	8.03	8.118
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	13	0.01	0.011	0.015	0.007	0.	0.002	0.008	0.009	0.012	0.015
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	13	6.	11.231	56.	0.	255.026	15.97	0.8	2.	14.	46.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	13	0.778	0.744	1.748	0.	0.273	0.522	0.12	0.301	1.142	1.651
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.551								

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

Annual Analysis for 1990 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	20	16.	16.245	29.2	7.4	56.371	7.508	7.5	9.	21.075	28.
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	16	1.5	1.569	3.5	-0.5	1.477	1.215	0.31	0.775	3.15	2.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	14	125.	140.286	242.	56.	4053.451	63.667	61.5	80.5	202.	228.5
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	15	7.86	7.893	8.2	7.53	0.04	0.199	7.614	7.75	8.08	8.164
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	15	7.86	7.85	8.2	7.53	0.042	0.204	7.614	7.75	8.08	8.164
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	15	0.014	0.014	0.03	0.006	0.	0.006	0.007	0.008	0.018	0.025
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	14	8.	53.571	608.	0.	25620.418	160.064	1.	2.	17.5	328.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	14	0.903	0.929	2.784	0.	0.523	0.723	0.151	0.301	1.239	2.233
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.489								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	14	13.35	15.486	29.	5.3	54.863	7.407	6.05	9.75	22.	27.55
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	11	1.35	1.195	4.1	0.2	1.318	1.148	0.2	0.2	1.6	3.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	12	162.5	172.833	235.	88.	2639.788	51.379	93.7	131.75	223.	234.1
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	11	8.02	8.001	8.21	7.85	0.015	0.123	7.85	7.88	8.13	8.194
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	11	8.02	7.986	8.21	7.85	0.015	0.124	7.85	7.88	8.13	8.194
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	11	0.01	0.01	0.014	0.006	0.	0.003	0.006	0.007	0.013	0.014
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	12	9.	19.75	165.	0.	2123.659	46.083	0.	0.5	12.	120.3
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	12	0.952	0.757	2.217	0.	0.438	0.662	0.	0.075	1.079	1.913
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.716								

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

Annual Analysis for 1992 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	6	19.65	17.267	26.5	7.5	61.971	7.872	**	**	**	**
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	6	0.8	0.917	1.3	0.5	0.102	0.319	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	6	155.5	169.833	214.	135.	1203.767	34.695	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	5	7.9	8.02	8.5	7.83	0.076	0.276	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	5	7.9	7.966	8.5	7.83	0.08	0.282	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	5	0.013	0.011	0.015	0.003	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	4.5	9.833	40.	0.	232.167	15.237	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	0.651	0.651	1.602	0.	0.376	0.613	**	**	**	**

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

Annual Analysis for 1992 - Station BUFF0153

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 =			4.472								

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

Annual Analysis for 1993 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	6	14.4	16.017	29.5	6.5	89.726	9.472	**	**	**	**
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	6	1.3	1.3	1.8	0.4	0.268	0.518	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	6	137.	147.5	253.	82.	3613.9	60.116	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.095	8.135	8.48	7.81	0.064	0.254	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	8.095	8.077	8.48	7.81	0.068	0.262	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.008	0.008	0.015	0.003	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	15.5	535.	3100.	1.	1579619.2	1256.829	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	1.19	1.437	3.491	0.	1.372	1.171	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			27.329								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	7	14.6	16.357	26.5	6.1	57.463	7.58	**	**	**	**
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	5	1.2	1.042	1.5	0.35	0.248	0.498	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	6	169.	165.667	256.	89.	4559.867	67.527	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	7	8.28	8.18	8.43	7.89	0.041	0.202	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	7	8.28	8.139	8.43	7.89	0.043	0.207	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	7	0.005	0.007	0.013	0.004	0.	0.003	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	10.5	15.667	45.	4.	232.267	15.24	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	1.009	1.051	1.653	0.602	0.141	0.376	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.245								

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

Annual Analysis for 1995 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	6	15.95	16.117	30.1	4.8	83.526	9.139	**	**	**	**
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	4	0.83	0.85	1.7	0.04	0.759	0.871	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	6	184.	184.833	246.	126.	3241.367	56.933	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	6	7.825	7.802	8.13	7.36	0.085	0.292	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	6	7.82	7.718	8.13	7.36	0.093	0.306	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	6	0.015	0.019	0.044	0.007	0.	0.014	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	7.5	15.333	44.	0.	299.867	17.317	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	6	0.866	0.907	1.643	0.	0.357	0.598	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.067								

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

Annual Analysis for 1996 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	4	11.	13.	29.8	0.2	151.687	12.316	**	**	**	**
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	4	1.25	1.15	1.9	0.2	0.537	0.733	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	4	158.5	157.5	194.	119.	1732.333	41.621	**	**	**	**
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	4	7.5	7.695	8.86	6.92	0.851	0.923	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	4	7.251	7.233	8.86	6.92	1.135	1.066	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	4	0.056	0.058	0.12	0.001	0.004	0.062	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	4	11.	16.25	42.	1.	317.583	17.821	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	4	1.04	0.926	1.623	0.	0.458	0.676	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.426								

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Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	54	20.1	18.407	32.	0.2	80.981	8.999	6.3	9.3	26.875	29.35
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	46	0.5	0.702	4.1	-0.5	0.573	0.757	0.2	0.4	1.025	2.01
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	35	1.1	6.869	81.	0.4	345.466	18.587	0.6	0.7	2.4	14.14
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	52	219.	208.673	343.	44.	3197.44	56.546	126.7	193.25	236.	260.9
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	43	9.	9.279	14.5	6.6	4.202	2.05	6.8	7.7	10.6	12.76
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	43	7.99	7.952	8.86	6.92	0.095	0.309	7.546	7.85	8.09	8.228
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	43	7.99	7.822	8.86	6.92	0.113	0.336	7.546	7.85	8.09	8.228
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	43	0.01	0.015	0.12	0.001	0.	0.018	0.006	0.008	0.014	0.029
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	30	0.025	0.084	1.	0.	0.033	0.181	0.001	0.025	0.074	0.13
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	38	0.02	0.045	0.2	0.005	0.002	0.05	0.01	0.01	0.063	0.132
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	24 ##	0.015	0.02	0.079	0.001	0.	0.021	0.001	0.006	0.02	0.061
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	28	3.	2.857	6.	2.	1.016	1.008	2.	2.	3.	4.1
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	29	5.	5.517	14.	1.	6.901	2.627	3.	3.5	7.	9.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	53	6.	18.415	174.	0.	1347.632	36.71	0.	2.	12.	56.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	53	0.778	0.823	2.241	0.	0.341	0.584	0.	0.301	1.079	1.745
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.654								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	29 ##	0.015	0.023	0.11	0.	0.001	0.024	0.015	0.015	0.015	0.05

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Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	39	12.	11.562	23.	4.4	24.68	4.968	5.1	7.5	15.8	19.
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	36	1.5	1.693	4.5	0.5	0.647	0.805	0.8	1.225	2.	3.06
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	20	2.4	4.605	29.	0.1	40.471	6.362	0.61	1.1	6.75	8.54
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	33	127.	127.788	220.	56.	1030.61	32.103	86.	105.5	148.	164.
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	33	10.4	10.427	15.3	7.9	2.301	1.517	8.7	9.25	11.2	12.18
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	27	8.	7.954	8.48	6.99	0.106	0.326	7.496	7.75	8.13	8.33
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	27	8.	7.804	8.48	6.99	0.13	0.36	7.496	7.75	8.13	8.33
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	27	0.01	0.016	0.102	0.003	0.	0.019	0.005	0.007	0.018	0.032
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	22 ##	0.025	0.046	0.23	0.	0.002	0.049	0.	0.025	0.08	0.08
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	22	0.035	0.071	0.27	0.005	0.006	0.08	0.007	0.01	0.105	0.234
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	14	0.015	0.033	0.12	0.001	0.002	0.043	0.001	0.003	0.045	0.12
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	17	2.	2.294	4.	1.	0.596	0.772	1.	2.	3.	3.2
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	22	5.	5.455	8.	2.	3.593	1.896	3.	4.	7.	8.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	31	4.	27.774	608.	0.	11729.647	108.303	0.	0.	15.	36.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	31	0.602	0.686	2.784	0.	0.437	0.661	0.	0.	1.176	1.55
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.853								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	22 ##	0.015	0.016	0.05	0.	0.	0.013	0.	0.014	0.015	0.044

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/15/85-11/04/96	16	24.	23.463	28.	16.9	14.184	3.766	17.25	20.625	26.875	28.
00065	STAGE, STREAM (FEET)	01/15/85-11/04/96	14	0.8	1.114	3.5	0.2	0.746	0.863	0.275	0.65	1.5	2.75
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/87-11/04/96	9	1.8	12.789	82.	0.9	701.849	26.492	0.9	0.95	12.4	82.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/85-11/04/96	15	161.	165.4	231.	67.	1904.257	43.638	96.4	141.	199.	220.8
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	13	8.	7.892	9.5	5.9	0.791	0.889	6.34	7.45	8.2	9.34
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	12	7.89	7.918	8.43	7.56	0.046	0.214	7.617	7.815	8.	8.34
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	12	7.89	7.876	8.43	7.56	0.048	0.219	7.617	7.815	8.	8.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	12	0.013	0.013	0.028	0.004	0.	0.006	0.005	0.01	0.015	0.025
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	12	0.043	0.05	0.188	0.	0.003	0.051	0.	0.014	0.068	0.154

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	13	0.05	0.049	0.14	0.01	0.001	0.033	0.01	0.03	0.06	0.108
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	8	0.024	0.024	0.05	0.001	0.	0.02	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/89-11/04/96	10	2.	2.4	5.	2.	0.933	0.966	2.	2.	2.25	4.8
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	11	5.	5.273	8.	3.	2.418	1.555	3.	5.	7.	7.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	14	10.	237.143	3100.	0.	679280.44	824.185	1.	2.	38.	1578.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/85-11/04/96	14	1.	1.093	3.491	0.	0.805	0.897	0.151	0.301	1.578	2.62
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.398								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/22/90-11/04/96	11 ##	0.015	0.025	0.153	0.	0.002	0.043	0.	0.	0.015	0.128

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Station Inventory for Station: BUFF0154

NPS Station ID: BUFF0154
LAT/LON: 36.059726/ -93.136949
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER APPR 410 FT FROM PRUITT
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF92
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 2.810
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005001206.38
RF3 Mile Point: 6.38
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 410 FEET FROM PRUITT ARKANSAS

Parameter Inventory for Station: BUFF0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	693.	693.	693.	693.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	365.	365.	365.	365.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	143.	143.	143.	143.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	229.	229.	229.	229.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	16100.	16100.	16100.	16100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0155

NPS Station ID: BUFF0155
LAT/LON: 36.060281/ -93.137503
Agency: 21ARAPCC
Date Created: 08/12/77
Location: BUFFALO RIVER AT PRUITT HWY 7
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 060306 /4J140
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SC LOWER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 2.810
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005001100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.07
On/Off RF3:
Description:
A BASIN SURVEY STATION INITIATED IN THE SUMMERS OF 1970-1971 AS PART OF A STUDY OF THE WATER QUALITY AND SOURCES OF POLLUTION IN THE ARKANSAS PORTION OF THE WHITE RIVER BASIN THIS STATION IS LOCATED ON THE BUFFALO RIVER AT PRUITT ON HIGHWAY 7
THIS STATION WAS ORIGINALLY DESIGNATED AS 119U SECTION 7 TOWNSHIP 16 NORTH RANGE 20 WEST IN NEWTON COUNTY ARKANSAS

Parameter Inventory for Station: BUFF0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/07/71-07/20/71	3	28.	28.333	29.	28.	0.333	0.577	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/07/71-07/20/71	3	30.	29.833	32.	27.5	5.083	2.255	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/07/71-07/20/71	4 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/07/71-07/20/71	4	2.5	6.25	20.	0.	89.583	9.465	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/07/71-07/20/71	4	239.5	233.25	277.	177.	1720.25	41.476	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/07/71-07/20/71	4	7.35	7.325	8.	6.6	0.463	0.68	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/07/71-07/20/71	4	1.6	1.7	2.2	1.4	0.12	0.346	**	**	**	**
00400	PH (STANDARD UNITS)	07/07/71-07/20/71	4	7.35	7.275	7.5	6.9	0.082	0.287	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/07/71-07/20/71	4	7.325	7.2	7.5	6.9	0.09	0.3	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/71-07/20/71	4	0.047	0.063	0.126	0.032	0.002	0.044	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/07/71-07/20/71	4	128.5	132.	150.	121.	184.667	13.589	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/07/71-07/20/71	4	225.5	193.5	269.	54.	9069.667	95.235	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/07/71-07/20/71	2	124.	124.	223.	25.	19602.	140.007	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/07/71-07/20/71	2	101.5	101.5	200.	3.	19404.5	139.3	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/07/71-07/20/71	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/07/71-07/20/71	4	0.08	0.082	0.15	0.02	0.003	0.056	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/07/71-07/20/71	4	122.	122.	125.	119.	6.667	2.582	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/07/71-07/20/71	4	104.	104.	108.	100.	13.333	3.651	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/07/71-07/20/71	4	41.6	41.6	43.2	40.	2.133	1.461	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/07/71-07/20/71	4	4.1	4.35	5.1	4.1	0.25	0.5	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/07/71-07/20/71	4	3.5	4.25	8.	2.	6.917	2.63	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/07/71-07/20/71	4	0.	0.75	3.	0.	2.25	1.5	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/07/71-07/20/71	4 ##	0.025	0.034	0.06	0.025	0.	0.018	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/71-07/20/71	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0155

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00				3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			
00400	PH	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	1	0	0.00				3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: BUFF0156

NPS Station ID: BUFF0156
LAT/LON: 36.010837/ -93.175281
Agency: 1116APCC
Date Created: 03/06/93
Location: LITTLE BUFFALO RIVER BELOW JASPER AR
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS035 /BUFT26
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38G
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:
FROM INTERSECTION OF HWY 74 & HWY 7 IN JASPER AR GO EAST 0.5 MILES TO AVERY PRUITT RESIDENCE. SAMPLING SITE IS DUE WEST OF PRUITT'S HOUSE. ASK PRUITT FOR PERMISSION TO ACCESS SAMPLING SITE.

Parameter Inventory for Station: BUFF0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/20/93-09/27/93	2 ##	0.062	0.062	0.099	0.025	0.003	0.052	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/20/93-09/27/93	2	0.175	0.175	0.19	0.16	0.	0.021	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/20/93-09/27/93	2	122.	122.	132.	112.	200.	14.142	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/93-09/27/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/93-09/27/93	2	8.5	8.5	10.	7.	4.5	2.121	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/20/93-09/27/93	2 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0156

				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	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.	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: BUFF0157

NPS Station ID: BUFF0157
LAT/LON: 36.008337/ -93.176393
Agency: 21ARUNFA
Date Created: 10/06/79
Location: LITTLE BUFFALO RIVER AT JASPER, ARKANSAS
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF30
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005015
RF1 Mile Point: 5.320
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005001225.28
RF3 Mile Point: 25.27
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LITTLE BUFFALO RIVER AT JASPER, ARKANSAS

Parameter Inventory for Station: BUFF0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-12/10/75	9	21.8	21.689	39.	7.3	116.709	10.803	7.3	12.85	29.7	39.
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-12/10/75	12	1479.5	2915.667	13700.	331.	13648408.424	3694.375	345.7	955.5	3657.5	11135.
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-12/10/75	12	402.	416.333	606.	264.	10948.606	104.636	278.4	328.5	461.25	604.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-12/10/75	9	1.9	1.911	4.2	0.7	1.014	1.007	0.7	1.2	2.15	4.2
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-12/10/75	8	0.004	0.017	0.1	0.003	0.001	0.034	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-12/10/75	8	0.025	0.032	0.06	0.006	0.001	0.026	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-12/10/75	9	1.3	1.468	2.31	1.11	0.213	0.461	1.11	1.135	1.835	2.31
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-12/10/75	12	8.5	18.833	127.	2.	1209.242	34.774	2.	3.25	14.5	96.7
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-12/10/75	9	0.85	0.852	1.17	0.66	0.027	0.163	0.66	0.71	0.955	1.17
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-12/10/75	8	0.007	0.021	0.06	0.001	0.001	0.026	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-12/10/75	12	123.5	141.833	360.	22.	8549.242	92.462	37.	78.	178.75	330.6
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-12/10/75	9	0.7	0.722	1.	0.3	0.079	0.282	0.3	0.5	1.	1.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	3	0.3	0.3	0.4	0.2	0.01	0.1	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	11	1.	1.264	4.8	0.1	1.569	1.252	0.16	0.6	1.5	4.16
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	12	12.	11.667	29.	3.	44.424	6.665	3.	7.75	13.75	24.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-12/10/75	8	2.	1.563	3.	0.5	0.888	0.943	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	3	0.5	0.467	0.6	0.3	0.023	0.153	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-12/10/75	8	2.	1.938	4.	0.5	1.317	1.148	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	3	0.7	0.667	1.	0.3	0.123	0.351	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-12/10/75	12	6.5	6.583	13.	2.	11.538	3.397	2.3	3.25	8.75	12.4
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-12/10/75	9	2.	3.867	17.	0.8	26.51	5.149	0.8	1.	4.5	17.
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	2	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-12/10/75	12	3.	3.833	7.	2.	2.515	1.586	2.	3.	5.	6.7
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-12/10/75	8	203.	209.75	400.	64.	18229.357	135.016	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-12/10/75	9	14.	16.778	40.	1.	148.194	12.174	1.	7.5	26.5	40.
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-12/10/75	9	4.	4.611	9.	2.5	6.174	2.485	2.5	2.5	7.	9.
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	3	3.	13.	35.	1.	364.	19.079	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-12/10/75	12	12.	13.375	30.	2.	71.324	8.445	2.6	7.25	19.375	28.5
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-12/10/75	12	387.5	415.	730.	144.	40195.455	200.488	152.7	236.25	580.75	724.9
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-12/10/75	8	6.3	9.75	29.	2.2	84.257	9.179	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-12/10/75	9	7.5	7.8	11.9	3.	9.3	3.05	3.	5.5	10.85	11.9
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-12/10/75	8	1.25	2.075	7.	0.1	5.331	2.309	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	3	1.	1.1	2.	0.3	0.73	0.854	**	**	**	**

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

Parameter Inventory for Station: BUFF0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	12	12.5	12.167	17.	6.	17.424	4.174	6.	9.	16.5	17.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	3	22.	32.667	54.	22.	341.333	18.475	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	3	0.6	0.567	0.7	0.4	0.023	0.153	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-12/10/75	9	3.	15.211	102.	0.9	1076.301	32.807	0.9	2.5	9.5	102.
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-12/10/75	8	1.5	6.163	30.	0.3	100.468	10.023	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-12/10/75	12	53.5	71.167	245.	25.	3322.515	57.641	29.2	42.5	77.	198.5
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	3	2.	2.	2.	2.	0.	0.	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-12/10/75	12	1.35	4517.575	27100.	0.8	78319837.08	8849.85	0.8	0.925	9000.475	23500.
81357	CALCIUM SUSPENDED MG/L	05/21/74-12/10/75	8	0.025	0.026	0.05	0.009	0.	0.012	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	5.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	1300.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	15.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	1	0.33	1	0	0.00				2	1	0.50			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	5000.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	5000.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			

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

Station Inventory for Station: BUFF0158

NPS Station ID: BUFF0158
LAT/LON: 36.058893/ -93.177782
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO R APPR 850 FT FR BROWN CEMETERY
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF91
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 5.420
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005055200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 850 FEET FROM BROWN CEMETERY

Parameter Inventory for Station: BUFF0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	2140.	2140.	2140.	2140.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	628.	628.	628.	628.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	202.	202.	202.	202.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	616.	616.	616.	616.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	22300.	22300.	22300.	22300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0159

NPS Station ID: BUFF0159
LAT/LON: 36.009170/ -93.179170
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER AT JASPER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF31
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005015
RF1 Mile Point: 5.320
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005001505.19
RF3 Mile Point: 5.19
Distance from RF3: 0.12
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER AT JASPER

Parameter Inventory for Station: BUFF0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-03/06/75	6	24.75	27.383	42.	15.8	101.762	10.088	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-03/26/75	9	1870.	3879.889	20746.	740.	40808146.861	6388.125	740.	1094.	2927.5	20746.
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-03/26/75	9	476.	470.889	564.	313.	6249.611	79.054	313.	415.5	530.5	564.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-03/06/75	6	1.7	1.8	2.9	1.3	0.316	0.562	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-03/06/75	5	0.005	0.005	0.008	0.003	0.	0.002	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-03/06/75	5	0.006	0.006	0.01	0.003	0.	0.004	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-03/06/75	6	1.365	1.678	3.5	0.95	0.838	0.916	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-03/26/75	9	16.	36.222	227.	2.	5175.694	71.942	2.	5.	22.	227.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/20/74-03/06/75	5	0.86	0.874	1.24	0.67	0.052	0.227	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-03/06/75	5	0.002	0.003	0.005	0.	0.	0.002	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-03/26/75	9	199.	191.222	287.	50.	5771.944	75.973	50.	141.5	257.5	287.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-03/06/75	6	1.	0.867	1.	0.5	0.047	0.216	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	3	0.2	0.3	0.5	0.2	0.03	0.173	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	8	0.95	1.063	2.	0.5	0.283	0.532	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	9	15.	15.222	30.	9.	40.444	6.36	9.	10.	17.	30.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-03/06/75	5	2.	1.8	2.	1.	0.2	0.447	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	3	0.4	0.433	0.5	0.4	0.003	0.058	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-03/06/75	5	3.	3.	5.	2.	1.5	1.225	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	3	0.7	0.633	0.9	0.3	0.093	0.306	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-03/26/75	9	8.	8.889	15.	4.	11.111	3.333	4.	7.	11.	15.
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-03/06/75	6	1.5	2.	5.	1.	2.4	1.549	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	2	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-03/26/75	9	6.	6.667	10.	4.	4.75	2.179	4.	4.5	8.5	10.
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-03/06/75	5	83.	112.	194.	65.	2840.	53.292	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-03/06/75	6	8.	11.667	31.	4.	96.267	9.812	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-03/06/75	6	7.5	6.5	8.	3.	4.3	2.074	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	3	1.	1.267	2.	0.8	0.413	0.643	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-03/26/75	9	17.	15.556	25.	9.	23.965	4.895	9.	11.5	17.75	25.
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-03/26/75	9	521.	473.778	634.	250.	19805.194	140.731	250.	340.	593.5	634.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-03/06/75	5	3.	7.32	25.	1.5	98.667	9.933	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-03/06/75	6	8.35	8.4	10.2	7.	1.228	1.108	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-03/06/75	5	3.	3.14	7.	0.7	5.548	2.355	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	3	1.	0.767	1.	0.3	0.163	0.404	**	**	**	**

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

Parameter Inventory for Station: BUFF0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-03/26/75	9	16.	16.889	25.	11.	16.861	4.106	11.	14.	19.5	25.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-03/06/75	3	33.	41.667	63.	29.	345.333	18.583	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-03/06/75	3	0.7	0.633	0.8	0.4	0.043	0.208	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-03/06/75	6	43.	57.883	163.	0.3	4050.042	63.64	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-03/06/75	5	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-03/26/75	9	79.	84.444	145.	58.	684.278	26.159	58.	64.5	94.	145.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-03/06/75	3	2.	2.	2.	2.	0.	0.	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-03/06/75	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-03/26/75	9	1.9	1.878	2.4	1.2	0.177	0.421	1.2	1.55	2.3	2.4
81357	CALCIUM SUSPENDED MG/L	05/21/74-03/06/75	5	0.02	0.03	0.08	0.01	0.001	0.028	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0159

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	6	1	0.17	2	0	0.00	2	0	0.00	2	1	0.50			
		Drinking Water	5000.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: BUFF0160

NPS Station ID: BUFF0160
LAT/LON: 36.010281/ -93.183893
Agency: 112WRD
Date Created: / /
Location: LITTLE BUFFALO RIVER AT JASPER, ARK.
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055700
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 2.70
On/Off RF1:
RF3 Index: 11010005001203.32
RF3 Mile Point: 3.94
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/19/82-10/06/88	5	20.	19.6	29.5	13.	39.675	6.299	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/14/63-08/14/63	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-10/06/88	3	6.	5.333	7.	3.	4.333	2.082	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/19/82-05/19/82	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/14/63-05/19/82	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/63-10/06/88	6	256.	253.167	275.	232.	232.567	15.25	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/19/82-05/19/82	2	12.65	12.65	12.9	12.4	0.125	0.354	**	**	**	**
00400	PH (STANDARD UNITS)	08/14/63-05/19/82	3	8.3	8.233	8.6	7.8	0.163	0.404	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/14/63-05/19/82	3	8.3	8.108	8.6	7.8	0.187	0.432	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/63-05/19/82	3	0.005	0.008	0.016	0.003	0.	0.007	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/19/82-05/19/82	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/82-05/19/82	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/82-05/19/82	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/63-08/14/63	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/14/63-08/14/63	1	149.	149.	149.	149.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/14/63-08/14/63	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	05/19/82-05/19/82	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/19/82-05/19/82	2	0.555	0.555	0.57	0.54	0.	0.021	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/19/82-05/19/82	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/19/82-05/19/82	2	0.59	0.59	0.6	0.58	0.	0.014	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/19/82-05/19/82	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/82-05/19/82	2	0.045	0.045	0.07	0.02	0.001	0.035	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/14/63-05/19/82	2	122.5	122.5	125.	120.	12.5	3.536	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/14/63-08/14/63	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/14/63-05/19/82	2	39.5	39.5	44.	35.	40.5	6.364	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/14/63-05/19/82	2	5.7	5.7	7.8	3.6	8.82	2.97	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/14/63-08/14/63	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/14/63-08/14/63	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/14/63-08/14/63	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/19/82-05/19/82	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/63-05/19/82	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/14/63-05/19/82	2	8.	8.	10.	6.	8.	2.828	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/14/63-08/14/63	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/14/63-08/14/63	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/19/82-05/19/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/19/82-05/19/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/19/82-05/19/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/19/82-05/19/82	1	80.	80.	80.	80.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	05/19/82-05/19/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/19/82-05/19/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/19/82-05/19/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/19/82-05/19/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/19/82-05/19/82	1	40.	40.	40.	40.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/63-08/14/63	1	138.	138.	138.	138.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/14/63-08/14/63	1	0.97	0.97	0.97	0.97	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/14/63-08/14/63	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/19/82-05/19/82	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/14/63-08/14/63	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/19/82-05/19/82	2	0.135	0.135	0.21	0.06	0.011	0.106	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/19/82-05/19/82	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/19/82-05/19/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	05/19/82-05/19/82	2	20.	20.	20.	20.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0160

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00							2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
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			
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			
71851	NITRATE NITROGEN, DISSOLVED (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			

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

Station Inventory for Station: BUFF0161

NPS Station ID: BUFF0161
LAT/LON: 36.009726/ -93.184170
Agency: 112WRD
Date Created: / /
Location: LITTLE BUFFALO RIVER AT JASPER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055680
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 3.00
On/Off RF1:
RF3 Index: 11010005000106.33
RF3 Mile Point: 6.96
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/87-10/06/88	3	25.	23.5	29.5	16.	47.25	6.874	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/18/64-11/18/64	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/01/87-10/06/88	3	11.	11.333	12.	11.	0.333	0.577	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/18/64-11/18/64	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/18/64-10/06/88	4	235.	239.75	271.	218.	514.917	22.692	**	**	**	**
00400	PH (STANDARD UNITS)	11/18/64-11/18/64	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/18/64-11/18/64	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/18/64-11/18/64	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	11/18/64-11/18/64	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	11/18/64-11/18/64	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/18/64-11/18/64	1	136.	136.	136.	136.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/18/64-11/18/64	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/18/64-11/18/64	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/18/64-11/18/64	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/18/64-11/18/64	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	11/18/64-11/18/64	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/18/64-11/18/64	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/18/64-11/18/64	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/18/64-11/18/64	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/18/64-11/18/64	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/18/64-11/18/64	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/18/64-11/18/64	1	142.	142.	142.	142.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/18/64-11/18/64	1	2.91	2.91	2.91	2.91	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/18/64-11/18/64	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/18/64-11/18/64	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	11/18/64-11/18/64	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0161

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: BUFF0161

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: BUFF0162

NPS Station ID: BUFF0162 LAT/LON: 36.053892/ -93.187226 Agency: 21ARUNFA Date Created: 10/06/79
Location: SAWMILL HOLLOW APPR 900 FT FR BUFFALO R CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF90
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 6.470 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001207.08 RF3 Mile Point: 8.46 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM SAWMILL HOLLOW APPR 900 FEET FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1513.	1513.	1513.	1513.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	323.	323.	323.	323.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	108.	108.	108.	108.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	145.	145.	145.	145.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	11100.	11100.	11100.	11100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0163

NPS Station ID: BUFF0163 LAT/LON: 36.003060/ -93.194448 Agency: 1116APCC Date Created: 03/06/93
Location: LITTLE BUFFALO RIVER ABOVE JASPER AR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS034 /BUFT25
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38G
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 11010003003006.17 RF3 Mile Point: 7.70 Distance from RF3: 0.12 On/Off RF3:
Description:
FROM JASPER HIGH SCHOOL GO WEST ON FIRST ROAD NORTH OF SCHOOL UNTIL DEADENDS AT THE BUFFALO RIVER. SAMPLE TAKEN
FROM FIRST RIFFLE ABOVE CONFLUENCE WITH SPRING COMING IN ON THE SOUTH SIDE OF THE RIVER.

Parameter Inventory for Station: BUFF0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/85-09/27/87	5	21.	22.8	27.	20.	9.2	3.033	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/85-09/27/87	5	462.	451.4	466.	422.	365.8	19.126	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/87-09/27/87	4	8.005	8.03	8.18	7.93	0.013	0.112	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/87-09/27/87	4	8.003	8.02	8.18	7.93	0.013	0.113	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/87-09/27/87	4	0.01	0.01	0.012	0.007	0.	0.002	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/20/93-09/27/93	2 ##	0.074	0.074	0.123	0.025	0.005	0.069	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/20/93-09/27/93	2	0.15	0.15	0.16	0.14	0.	0.014	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/20/93-09/27/93	2	117.5	117.5	120.	115.	12.5	3.536	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/93-09/27/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/93-09/27/93	2	8.5	8.5	10.	7.	4.5	2.121	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/29/87-09/27/87	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/29/87-09/27/87	2	1.389	1.389	1.477	1.301	0.016	0.125	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			24.495								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-09/27/87	5	20.	33.8	105.	2.	1654.2	40.672	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/18/85-09/27/87	5	1.301	1.252	2.021	0.301	0.379	0.615	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.854								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/20/93-09/27/93	2 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	4	0	0.00	3	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	3	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	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: BUFF0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	0	0.00	3	0	0.00				2	0	0.00			

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

Station Inventory for Station: BUFF0164

NPS Station ID: BUFF0164
LAT/LON: 36.077226/ -93.203337
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO R 0.3 MI BELOW CONRAD FISSURE
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF89
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 8.730
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005045900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.34
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 0.3 MILE BELOW CONRAD FISSURE

Parameter Inventory for Station: BUFF0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	146.	146.	146.	146.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	467.	467.	467.	467.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	57.	57.	57.	57.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	18500.	18500.	18500.	18500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0165

NPS Station ID: BUFF0165
LAT/LON: 36.084448/ -93.209727
Agency: 21ARUNFA
Date Created: 10/06/79
Location: UNMD TRIB 400 FT FR CONRAD FISSURE
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF88
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 9.360
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005055100.00
RF3 Mile Point: 0.27
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM UNNAMED TRIBUTARY 400 FEET FROM CONRAD FISSURE 0.5 MI FR BUFFALO RIVER

Parameter Inventory for Station: BUFF0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	166750.	166750.	166750.	166750.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	380.	380.	380.	380.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	233.	233.	233.	233.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	2.95	2.95	2.95	2.95	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	1752.	1752.	1752.	1752.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	4900.	4900.	4900.	4900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0166

NPS Station ID: BUFF0166 LAT/LON: 36.070837/ -93.221115 Agency: 21ARUNFA Date Created: 10/06/79
Location: WEBB BRANCH APPR 0.4 MI FROM BUFFALO R CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF87
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 10.060 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005047500.00 RF3 Mile Point: 0.15 Distance from RF3: 0.10 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
WEBB BRANCH APPR 0.4 MILE FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	9375.	9375.	9375.	9375.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	445.	445.	445.	445.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	283.	283.	283.	283.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	62.	62.	62.	62.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	2088.	2088.	2088.	2088.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	21300.	21300.	21300.	21300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0167

NPS Station ID: BUFF0167
LAT/LON: 36.079170/ -93.226116
Agency: 21ARUNFA
Date Created: 10/06/79
Location: CECIL CREEK APPR 0.4 MI FR BUFFALO R CONF
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF86
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 10.370
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001210.40
RF3 Mile Point: 10.42
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CECIL CREEK APPR 0.4 MILE FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	9000.	9000.	9000.	9000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	968.	968.	968.	968.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	2.02	2.02	2.02	2.02	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	1773.	1773.	1773.	1773.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	76.	76.	76.	76.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	17000.	17000.	17000.	17000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0168

NPS Station ID: BUFF0168
LAT/LON: 36.074449/ -93.226116
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER 1.0 MILE ABOVE ERBIE FORD
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF85
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 10.370
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005054800.00
RF3 Mile Point: 0.06
Distance from RF3: 0.00
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 1.0 MILE ABOVE ERBIE FORD

Parameter Inventory for Station: BUFF0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	873.	873.	873.	873.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	630.	630.	630.	630.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	187.	187.	187.	187.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	522.	522.	522.	522.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	19500.	19500.	19500.	19500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0169

NPS Station ID: BUFF0169 LAT/LON: 36.077226/ -93.241392 Agency: 1116APCC Date Created: 02/03/90
Location: CECIL CREEK - TRIBUTARY OF BUFFALO RIVER FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS012 /BUFT03 /4J00024
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 259 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38M
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 2.60 On/Off RF1:
RF3 Index: 11010005001221.41 RF3 Mile Point: 21.40 Distance from RF3: 0.00 On/Off RF3:
Description:
POINT LOCATION: JUST UPSTREAM OF A CONCRETE SLAB ON AN UNPAVED ROAD 0.2 MILES NORTH OF THE ERBIE FORD ON THE BUFFALO RIVER

Parameter Inventory for Station: BUFF0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	75	17.2	17.459	28.6	4.	44.537	6.674	7.92	13.	23.9	26.82
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/90-06/06/94	4	23.	18.675	26.7	2.	132.623	11.516	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	12/26/91-11/13/95	21	15.	27.476	167.	0.	1556.162	39.448	1.	2.5	34.5	84.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-12/02/96	9	10.	27.156	90.	0.4	1286.418	35.867	0.4	1.5	61.5	90.
00065	STAGE, STREAM (FEET)	04/23/85-12/02/96	66	2.	1.916	4.36	0.14	0.425	0.652	1.085	1.88	2.2	2.466
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/88-12/02/96	45	1.7	3.591	19.	0.7	16.474	4.059	1.02	1.4	4.55	8.18
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	72	242.5	223.306	337.	16.	4376.356	66.154	141.	160.25	273.	299.7
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	59	9.4	9.561	15.4	4.3	3.56	1.887	7.3	8.5	10.6	12.4
00400	PH (STANDARD UNITS)	06/15/87-12/02/96	59	7.93	7.933	8.51	6.91	0.088	0.297	7.6	7.77	8.12	8.35
00400	CONVERTED PH (STANDARD UNITS)	06/15/87-12/02/96	59	7.93	7.814	8.51	6.91	0.102	0.32	7.6	7.77	8.12	8.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/87-12/02/96	59	0.012	0.015	0.123	0.003	0.	0.017	0.004	0.008	0.017	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/85-11/08/93	6	87.	70.167	126.	0.	3189.367	56.474	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/04/89-05/13/96	35	0.025	0.045	0.158	0.	0.002	0.039	0.	0.025	0.069	0.099
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/04/89-01/13/92	10	0.285	0.267	0.4	0.1	0.008	0.088	0.11	0.208	0.34	0.394
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-05/13/96	36	0.02	0.035	0.16	0.005	0.001	0.036	0.01	0.01	0.05	0.086
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/04/89-09/28/92	16 ##	0.015	0.016	0.04	0.001	0.	0.016	0.001	0.002	0.034	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/24/90-09/24/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/93-08/08/94	8	106.5	108.25	149.	81.	601.643	24.528	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	09/24/90-09/24/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	09/24/90-09/24/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	09/24/90-09/24/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/07/90-05/13/96	31	3.	2.581	4.	2.	0.385	0.62	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/90-05/13/96	31	8.	8.548	16.	5.	5.323	2.307	6.2	7.	10.	11.8
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/27/85-09/21/85	6	123.5	127.167	285.	23.	8951.767	94.614	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	03/27/85-09/21/85	6	2.08	1.977	2.455	1.362	0.158	0.397	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			94.824								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	71	9.	45.127	1088.	0.	19272.255	138.825	1.2	4.	30.	96.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	71	0.954	1.049	3.037	0.	0.462	0.679	0.06	0.602	1.477	1.981
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.191								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/90-05/13/96	30	0.015	0.035	0.128	0.	0.001	0.036	0.	0.015	0.051	0.106
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/94-11/13/95	11	3.8	6.218	29.	0.8	67.678	8.227	0.82	1.5	6.6	25.6

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

EPA Water Quality Criteria Analysis for Station: BUFF0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	45	0	0.00	24	0	0.00	11	0	0.00	10	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	59	0	0.00	30	0	0.00	17	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	59	0	0.00	29	0	0.00	16	0	0.00	14	0	0.00			
		Other-Lo Lim.	6.5	59	0	0.00	29	0	0.00	16	0	0.00	14	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	36	0	0.00	17	0	0.00	10	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	31	0	0.00	14	0	0.00	10	0	0.00	7	0	0.00			
		Drinking Water	250.	31	0	0.00	14	0	0.00	10	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	31	0	0.00	14	0	0.00	10	0	0.00	7	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	71	2	0.03	34	1	0.03	18	1	0.06	19	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	5	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	37	19.8	18.886	28.6	4.	48.205	6.943	7.96	13.	25.	27.5
00065	STAGE, STREAM (FEET)	04/23/85-12/02/96	31	1.94	1.802	4.36	0.15	0.543	0.737	0.876	1.3	2.06	2.428
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/88-12/02/96	24	1.5	2.421	9.5	0.7	5.223	2.285	0.85	1.2	2.075	6.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	34	271.	255.118	310.	133.	2732.289	52.271	154.	261.	285.25	303.
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	30	9.2	9.3	13.9	4.3	4.066	2.016	7.12	7.975	10.225	12.4
00400	PH (STANDARD UNITS)	06/15/87-12/02/96	29	7.87	7.847	8.35	6.91	0.075	0.274	7.6	7.72	7.97	8.25
00400	CONVERTED PH (STANDARD UNITS)	06/15/87-12/02/96	29	7.87	7.735	8.35	6.91	0.088	0.297	7.6	7.72	7.97	8.25
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/87-12/02/96	29	0.013	0.018	0.123	0.004	0.	0.021	0.006	0.011	0.019	0.025
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-05/13/96	17	0.02	0.025	0.1	0.005	0.001	0.026	0.009	0.01	0.03	0.084
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	34	8.5	52.971	1088.	1.	34441.423	185.584	2.	4.	26.5	84.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	34	0.929	1.073	3.037	0.	0.393	0.627	0.301	0.602	1.423	1.895
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.829								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	19	12.4	11.526	17.2	4.	16.074	4.009	5.5	8.1	15.	16.
00065	STAGE, STREAM (FEET)	04/23/85-12/02/96	17	2.2	2.27	2.84	2.	0.045	0.213	2.064	2.105	2.45	2.568
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/88-12/02/96	11	4.4	4.855	19.	0.7	24.755	4.975	0.86	1.8	5.3	16.32
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	19	151.	152.053	235.	16.	2213.608	47.049	100.	134.	178.	213.
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	17	10.	10.618	15.4	8.6	2.803	1.674	8.92	9.3	11.45	13.08
00400	PH (STANDARD UNITS)	06/15/87-12/02/96	16	8.03	8.052	8.45	7.32	0.076	0.276	7.635	7.943	8.288	8.408
00400	CONVERTED PH (STANDARD UNITS)	06/15/87-12/02/96	16	8.03	7.953	8.45	7.32	0.087	0.294	7.635	7.942	8.287	8.408
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/87-12/02/96	16	0.009	0.011	0.048	0.004	0.	0.01	0.004	0.005	0.011	0.026
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-05/13/96	10	0.04	0.036	0.08	0.01	0.001	0.025	0.01	0.01	0.053	0.078
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	18	4.	33.944	426.	0.	10120.408	100.6	0.	1.5	10.25	132.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	18	0.602	0.713	2.629	0.	0.519	0.72	0.	0.226	1.002	2.063
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.168								

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/85-12/02/96	19	20.5	20.611	28.5	14.1	18.785	4.334	14.2	17.2	24.	27.
00065	STAGE, STREAM (FEET)	04/23/85-12/02/96	18	1.98	1.778	2.6	0.14	0.455	0.675	0.194	1.76	2.128	2.42
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/88-12/02/96	10	2.15	5.01	17.	1.1	31.85	5.644	1.13	1.475	7.875	16.65
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/85-12/02/96	19	230.	237.632	337.	151.	2552.246	50.52	158.	202.	258.	321.
00300	OXYGEN, DISSOLVED MG/L	04/23/85-12/02/96	12	8.8	8.717	10.5	6.7	1.289	1.135	6.85	7.775	9.55	10.35
00400	PH (STANDARD UNITS)	06/15/87-12/02/96	14	7.935	7.974	8.51	7.35	0.107	0.327	7.475	7.768	8.255	8.455
00400	CONVERTED PH (STANDARD UNITS)	06/15/87-12/02/96	14	7.935	7.86	8.51	7.35	0.121	0.348	7.475	7.768	8.255	8.455
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/87-12/02/96	14	0.012	0.014	0.045	0.003	0.	0.011	0.004	0.006	0.017	0.035
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/04/89-05/13/96	9	0.04	0.054	0.16	0.005	0.003	0.054	0.005	0.01	0.095	0.16
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	19	24.	41.684	175.	0.	1993.117	44.644	0.	12.	74.	108.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/85-12/02/96	19	1.38	1.324	2.243	0.	0.391	0.626	0.	1.079	1.869	2.033
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.066								

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

Station Inventory for Station: BUFF0170

NPS Station ID: BUFF0170
LAT/LON: 35.952504/ -93.243059
Agency: 112WRD
Date Created: 12/10/94
Location: SHOP CREEK AT PARTHENON, AR
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055696
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/94-05/15/95	3	15.8	15.633	15.8	15.3	0.083	0.289	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/16/94-05/15/95	2	24.6	24.6	25.7	23.5	2.42	1.556	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	05/16/94-05/15/95	3	742.	742.333	743.	742.	0.333	0.577	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/16/94-05/15/95	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/16/94-05/15/95	2	23.	23.	27.	19.	32.	5.657	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/94-05/15/95	3	137.	168.333	251.	117.	5225.333	72.286	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/16/94-05/15/95	3	9.1	8.867	9.3	8.2	0.343	0.586	**	**	**	**
00400	PH (STANDARD UNITS)	05/16/94-05/15/95	3	7.61	7.693	8.09	7.38	0.131	0.362	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/16/94-05/15/95	3	7.61	7.606	8.09	7.38	0.143	0.378	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/16/94-05/15/95	3	0.025	0.025	0.042	0.008	0.	0.017	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/16/94-05/15/95	3	7.4	7.433	7.5	7.4	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/16/94-05/15/95	3	7.4	7.431	7.5	7.4	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/16/94-05/15/95	3	0.04	0.037	0.04	0.032	0.	0.005	**	**	**	**
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/16/94-05/15/95	3	60.	75.333	114.	52.	1137.333	33.724	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/16/94-05/15/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/16/94-05/15/95	3	74.	91.667	139.	62.	1716.333	41.429	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	3	0.02	0.015	0.02	0.005	0.	0.009	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/16/94-05/15/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/16/94-05/15/95	3	0.08	0.113	0.2	0.06	0.006	0.076	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/16/94-05/15/95	3 ##	0.005	0.017	0.04	0.005	0.	0.02	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/16/94-05/15/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/16/94-05/15/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/16/94-05/15/95	3	1.3	1.167	1.5	0.7	0.173	0.416	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/16/94-05/15/95	3	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/16/94-05/15/95	3	23.	28.333	43.	19.	165.333	12.858	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/16/94-05/15/95	3	1.7	1.967	2.8	1.4	0.543	0.737	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/16/94-05/15/95	3	1.5	1.567	2.	1.2	0.163	0.404	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/16/94-05/15/95	3	0.8	0.867	1.1	0.7	0.043	0.208	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/16/94-05/15/95	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/16/94-05/15/95	3	5.	5.667	8.	4.	4.333	2.082	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/94-05/15/95	3 ##	0.05	0.1	0.2	0.05	0.008	0.087	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/16/94-05/15/95	3	7.2	7.233	7.7	6.8	0.203	0.451	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/16/94-05/15/95	3	13.	17.	28.	10.	93.	9.644	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/16/94-05/15/95	3	1.	1.167	2.	0.5	0.583	0.764	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.006	0.006	0.008	0.004	0.	0.003	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**

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

Parameter Inventory for Station: BUFF0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.004	0.003	0.	0.001	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.007	0.007	0.009	0.004	0.	0.004	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/16/94-05/15/95	2 ##	0.002	0.002	0.003	0.001	0.	0.001	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.007	0.002	0.	0.003	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.004	0.002	0.	0.002	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/16/94-05/15/95	2	33.5	33.5	47.	20.	364.5	19.092	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	05/16/94-05/15/95	2	1.487	1.487	1.672	1.301	0.069	0.262	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			30.659								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/16/94-05/15/95	2	33.5	33.5	46.	21.	312.5	17.678	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/16/94-05/15/95	2	1.492	1.492	1.663	1.322	0.058	0.241	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			31.081								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/16/94-05/15/95	3	200.	170.333	280.	31.	16160.333	127.123	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/16/94-05/15/95	3	2.301	2.08	2.447	1.491	0.265	0.515	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			120.185								
34253	A-BHC-ALPHA DISSUG/L	05/16/94-05/15/95	2 ##	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.005	0.003	0.	0.001	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/16/94-05/15/95	3	60.	75.	114.	51.	1161.	34.073	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.006	0.002	0.	0.002	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	2 ##	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	2 ##	0.005	0.005	0.007	0.003	0.	0.003	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	2 ##	0.007	0.007	0.011	0.002	0.	0.006	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	2 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	05/16/94-05/15/95	2 ##	0.005	0.005	0.01	0.001	0.	0.007	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
49235	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49260	INVALID PARAMETER	05/15/95-05/15/95	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49291	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	05/16/94-05/16/94	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: BUFF0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49311	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/16/94-05/15/95	3	86.	99.	141.	70.	1387.	37.242	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/16/94-05/15/95	3	91.	89.667	97.	81.	65.333	8.083	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/16/94-05/15/95	3	5.	5.	5.	5.	0.	0.	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.005	0.002	0.	0.002	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/16/94-05/15/95	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.001	0.	0.003	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/16/94-05/16/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.005	0.002	0.	0.002	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.001	0.	0.003	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.009	0.009	0.015	0.004	0.	0.008	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.011	0.011	0.02	0.001	0.	0.013	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/16/94-05/15/95	2 ##	0.012	0.012	0.02	0.003	0.	0.012	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.002	0.002	0.003	0.001	0.	0.001	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.001	0.	0.003	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.006	0.006	0.01	0.002	0.	0.006	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.013	0.013	0.025	0.002	0.	0.017	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.006	0.006	0.01	0.002	0.	0.006	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.004	0.	0.001	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.013	0.013	0.025	0.001	0.	0.017	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.006	0.006	0.01	0.003	0.	0.005	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 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	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00				2	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	2	0	0.00							2	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	2	0	0.00							2	0	0.00			
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00							1	0	0.00			
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	2	0	0.00							2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: BUFF0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	2	0	0.00							2	0	0.00			
		Drinking Water	0.2	2	0	0.00							2	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	2	0	0.00							2	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	2	0	0.00							2	0	0.00			
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	2	0	0.00							2	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.	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: BUFF0171

NPS Station ID: BUFF0171
LAT/LON: 35.952504/ -93.243059
Agency: 11TRAIN
Date Created: 02/22/97
Location: SHOP CREEK AT
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055696
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0171

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: BUFF0172

NPS Station ID: BUFF0172
LAT/LON: 36.058337/ -93.255559
Agency: 21ARUNFA
Date Created: 10/06/79
Location: SHOP CREEK APPR 400 FT FR BUFFALO R CONF
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF84
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 12.540
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001212.78
RF3 Mile Point: 12.85
Distance from RF3: 0.11
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM SHOP CREEK APPR 400 FEET FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	900.	900.	900.	900.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	530.	530.	530.	530.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	122.	122.	122.	122.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	390.	390.	390.	390.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	55.	55.	55.	55.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	14600.	14600.	14600.	14600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0173

NPS Station ID: BUFF0173 LAT/LON: 36.058060/ -93.266949 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R 620 FT FR CAMP ORR 900 FT FR WATER TAN FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF83
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 13.050 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005047600.00 RF3 Mile Point: 0.58 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 620 FEET FROM CAMP ORR 900 FEET FROM WATER TANK

Parameter Inventory for Station: BUFF0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	60500.	60500.	60500.	60500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	968.	968.	968.	968.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	445.	445.	445.	445.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	1085.	1085.	1085.	1085.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	82.	82.	82.	82.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	48200.	48200.	48200.	48200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0174

NPS Station ID: BUFF0174
LAT/LON: 36.066115/ -93.274449
Agency: 21ARUNFA
Date Created: 10/06/79
Location: CLEMMONS HOLLOW 0.7 MI FR BUFFALO R CONF
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF82
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 13.150
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005054600.00
RF3 Mile Point: 0.70
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CLEMMONS HOLLOW 0.7 MILE FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1755.	1755.	1755.	1755.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	735.	735.	735.	735.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	193.	193.	193.	193.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.85	1.85	1.85	1.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	508.	508.	508.	508.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	74.	74.	74.	74.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	22900.	22900.	22900.	22900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0175

NPS Station ID: BUFF0175
LAT/LON: 36.046392/ -93.274726
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BEAR CREEK 0.8 MI FROM BUFFALO RIVER CONF
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF81
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 14.040
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001214.32
RF3 Mile Point: 14.81
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BEAR CREEK 0.8 MILE FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	4325.	4325.	4325.	4325.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	198.	198.	198.	198.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.71	0.71	0.71	0.71	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	73.	73.	73.	73.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	28800.	28800.	28800.	28800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0176

NPS Station ID: BUFF0176
LAT/LON: 36.056948/ -93.300281
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO R-LICK FORD UPST FR BEAR CAVE HOLLOW
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF80
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 15.020
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005006001.62
RF3 Mile Point: 2.09
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO R AT LICK FORD APPR 400 FT UPSTREAM FROM BEAR CAVE HOLLOW

Parameter Inventory for Station: BUFF0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	608.	608.	608.	608.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	145.	145.	145.	145.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	362.	362.	362.	362.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	85.	85.	85.	85.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	19500.	19500.	19500.	19500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0177

NPS Station ID: BUFF0177 LAT/LON: 36.055005/ -93.313892 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R 0.5 MI UPST FR SNEEDS CR AT JIM BLUFF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF78
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 16.410 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005054300.00 RF3 Mile Point: 0.06 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 0.5 MILE UPSTREAM FROM SNEEDS CREEK AT JIM BLUFF

Parameter Inventory for Station: BUFF0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	475.	475.	475.	475.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	463.	463.	463.	463.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	122.	122.	122.	122.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	433.	433.	433.	433.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	18600.	18600.	18600.	18600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0178

NPS Station ID: BUFF0178
LAT/LON: 36.040837/ -93.318615
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BEECH CR APPR 430 FT FR BUFFALO RIVER CONF
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF77
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 16.900
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005001218.65
RF3 Mile Point: 18.89
Distance from RF3: 0.04
On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BEECH CR APPR 430 FEET FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	12825.	12825.	12825.	12825.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1230.	1230.	1230.	1230.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	203.	203.	203.	203.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	1996.	1996.	1996.	1996.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	86.	86.	86.	86.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0179

NPS Station ID: BUFF0179
LAT/LON: 35.919170/ -93.321115
Agency: 11TRAIN
Date Created: 02/22/97
Location: LITTLE BUFFAL
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055688
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0179

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: BUFF0180

NPS Station ID: BUFF0180
LAT/LON: 35.919170/ -93.321115
Agency: 112WRD
Date Created: 12/10/94
Location: LITTLE BUFFALO CREEK AT MURRAY, AR
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055688
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/94-05/15/95	3	16.5	17.833	22.5	14.5	17.333	4.163	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/16/94-05/15/95	2	24.85	24.85	25.6	24.1	1.125	1.061	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	05/16/94-05/15/95	3	739.	739.333	741.	738.	2.333	1.528	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/16/94-05/15/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/16/94-05/15/95	3	40.	40.333	78.	3.	1406.333	37.501	**	**	**	**
00065	STAGE, STREAM (FEET)	05/15/95-05/15/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/94-05/15/95	3	110.	140.333	215.	96.	4230.333	65.041	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/16/94-05/15/95	3	9.6	9.5	10.2	8.7	0.57	0.755	**	**	**	**
00400	PH (STANDARD UNITS)	05/16/94-05/15/95	3	7.79	7.79	7.94	7.64	0.023	0.15	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/16/94-05/15/95	3	7.79	7.773	7.94	7.64	0.023	0.151	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/16/94-05/15/95	3	0.016	0.017	0.023	0.011	0.	0.006	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/16/94-05/15/95	3	7.7	7.567	7.7	7.3	0.053	0.231	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/16/94-05/15/95	3	7.7	7.523	7.7	7.3	0.056	0.237	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/16/94-05/15/95	3	0.02	0.03	0.05	0.02	0.	0.017	**	**	**	**
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	05/16/94-05/15/95	3	52.	65.	99.	44.	883.	29.715	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	05/16/94-05/15/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	05/16/94-05/15/95	3	63.	78.667	121.	52.	1374.333	37.072	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	3	0.02	0.015	0.02	0.005	0.	0.009	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/16/94-05/15/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/16/94-05/15/95	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/16/94-05/15/95	3 ##	0.025	0.037	0.06	0.025	0.	0.02	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/16/94-05/15/95	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/16/94-05/15/95	3 ##	0.005	0.01	0.02	0.005	0.	0.009	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/16/94-05/15/95	3 ##	0.005	0.01	0.02	0.005	0.	0.009	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/16/94-05/15/95	3	1.5	1.867	2.8	1.3	0.663	0.814	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	05/16/94-05/15/95	3	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/16/94-05/15/95	3	18.	23.667	37.	16.	134.333	11.59	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/16/94-05/15/95	3	1.4	1.667	2.4	1.2	0.413	0.643	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/16/94-05/15/95	3	1.2	1.333	1.8	1.	0.173	0.416	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/16/94-05/15/95	3	0.7	0.7	1.	0.4	0.09	0.3	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/16/94-05/15/95	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/16/94-05/15/95	3	4.	4.	5.	3.	1.	1.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/94-05/15/95	3 ##	0.05	0.1	0.2	0.05	0.008	0.087	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/16/94-05/15/95	3	6.6	6.733	7.4	6.2	0.373	0.611	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/16/94-05/15/95	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/16/94-05/15/95	3	10.	12.333	18.	9.	24.333	4.933	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/16/94-05/15/95	3 ##	0.25	0.333	0.5	0.25	0.021	0.144	**	**	**	**

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

Parameter Inventory for Station: BUFF0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/16/94-05/15/95	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/16/94-05/15/95	3 ##	2.5	1.833	2.5	0.5	1.333	1.155	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/16/94-05/15/95	3 ##	1.5	1.167	1.5	0.5	0.333	0.577	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/16/94-05/15/95	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/16/94-05/15/95	3	14.	13.333	15.	11.	4.333	2.082	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/16/94-05/15/95	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/16/94-05/15/95	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/16/94-05/15/95	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/16/94-05/15/95	3 ##	5.	4.	5.	2.	3.	1.732	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	05/16/94-05/15/95	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/16/94-08/22/94	2	52.	52.	70.	34.	648.	25.456	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	05/16/94-08/22/94	2 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/16/94-05/15/95	3	2.	2.167	3.	1.5	0.583	0.764	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/15/95-05/15/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/15/95-05/15/95	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/16/94-08/22/94	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/16/94-05/15/95	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/16/94-05/15/95	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	05/15/95-05/15/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	05/16/94-05/15/95	3	67.	96.667	210.	13.	10362.333	101.796	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	05/16/94-05/15/95	3	1.826	1.754	2.322	1.114	0.369	0.607	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			56.765								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/16/94-05/15/95	3	65.	48.333	77.	3.	1577.333	39.716	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/16/94-05/15/95	3	1.813	1.392	1.886	0.477	0.629	0.793	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			24.67								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/16/94-05/15/95	3	65.	75.	97.	63.	364.	19.079	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/16/94-05/15/95	3	1.813	1.866	1.987	1.799	0.011	0.105	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			73.509								
34253	A-BHC-ALPHA DISSUG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/16/94-05/15/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.004	0.003	0.	0.001	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	05/16/94-05/15/95	3	52.	64.667	99.	43.	904.333	30.072	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/16/94-05/15/95	2 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	2 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	2 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	05/16/94-05/15/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49235	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49260	INVALID PARAMETER	05/15/95-05/15/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49291	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49311	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	05/16/94-05/16/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/16/94-05/15/95	3	67.	82.333	123.	57.	1265.333	35.572	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/16/94-05/15/95	3	70.	65.333	82.	44.	377.333	19.425	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/16/94-05/15/95	3	3.	3.667	6.	2.	4.333	2.082	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/16/94-05/15/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/16/94-05/16/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/16/94-05/15/95	2 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	2 ##	0.023	0.023	0.025	0.02	0.	0.004	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/16/94-05/15/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0180

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 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	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00				2	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00							2	0	0.00			
		Drinking Water	50.	2	0	0.00							2	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	3	0	0.00	1	0	0.00				2	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	4.	3	0	0.00	1	0	0.00				2	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	1300.	3	0	0.00	1	0	0.00				2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00				2	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00				2	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	2	0	0.00							2	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	1	0.33	1	0	0.00				2	1	0.50			
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	2	0	0.00							2	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	2	0	0.00							2	0	0.00			
		Drinking Water	0.2	2	0	0.00							2	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	2	0	0.00							2	0	0.00			
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	2	0	0.00							2	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.	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: BUFF0181

NPS Station ID: BUFF0181
LAT/LON: 36.038892/ -93.333338
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO R APPR 800 FT DNST FROM STEEL CREEK
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF28
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 18.330
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005054200.00
RF3 Mile Point: 0.15
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 800 FEET DOWNSTREAM FROM STEEL CREEK

Parameter Inventory for Station: BUFF0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	537.	537.	537.	537.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1150.	1150.	1150.	1150.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	122.	122.	122.	122.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	20700.	20700.	20700.	20700.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0182

NPS Station ID: BUFF0182 LAT/LON: 36.044170/ -93.334171 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R- BEE BLUFF UPST FR CLIFF HOLLOW FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF76
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 18.180 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001221.46 RF3 Mile Point: 21.47 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER AT BEE BLUFF APPR 0.7 MILE UPSTREAM FROM CLIFF HOLLOW

Parameter Inventory for Station: BUFF0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	2525.	2525.	2525.	2525.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1178.	1178.	1178.	1178.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	248.	248.	248.	248.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	508.	508.	508.	508.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	117.	117.	117.	117.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	33000.	33000.	33000.	33000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0183

NPS Station ID: BUFF0183 LAT/LON: 36.069726/ -93.334448 Agency: 21ARUNFA Date Created: 10/06/79
Location: SNEEDS CR APPR 780 FT FR MIDDLE PRONG CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF79
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 17.500 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001216.05 RF3 Mile Point: 16.35 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
SNEEDS CREEK APPR 780 FEET FROM MIDDLE PRONG CONFLUENCE

Parameter Inventory for Station: BUFF0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/15/75-05/15/75	1	31500.	31500.	31500.	31500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/15/75-05/15/75	1	1003.	1003.	1003.	1003.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/15/75-05/15/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/15/75-05/15/75	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/15/75-05/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/15/75-05/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/15/75-05/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/15/75-05/15/75	1	1352.	1352.	1352.	1352.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/15/75-05/15/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/15/75-05/15/75	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/15/75-05/15/75	1	21300.	21300.	21300.	21300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0184

NPS Station ID: BUFF0184 LAT/LON: 36.038892/ -93.335281 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R APPR 200 FT UPST FROM STEEL CREEK FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF26
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 18.470 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001219.37 RF3 Mile Point: 20.89 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPROXIMATELY 200 FEET UPSTREAM FROM STEEL CREEK

Parameter Inventory for Station: BUFF0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	9250.	9250.	9250.	9250.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	725.	725.	725.	725.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	775.	775.	775.	775.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	87.	87.	87.	87.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	20300.	20300.	20300.	20300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0185

NPS Station ID: BUFF0185 LAT/LON: 36.038060/ -93.336949 Agency: 21ARUNFA Date Created: 10/06/79
Location: STEEL CR APPR 800 FT UPST FROM BUFFALO R CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF27
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 18.610 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001219.37 RF3 Mile Point: 19.40 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM STEEL CREEK APPR 800 FEET UPSTREAM FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	18495.	18495.	18495.	18495.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	1035.	1035.	1035.	1035.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1025.	1025.	1025.	1025.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	14700.	14700.	14700.	14700.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0186

NPS Station ID: BUFF0186
LAT/LON: 36.020838/ -93.354171
Agency: 1116APCC
Date Created: 02/03/90
Location: BUFFALO RIVER AT PONCA
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS002 /BUFR02 /4J00011
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 311
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38M
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.80
On/Off RF1:
RF3 Index: 11010005001401.51
RF3 Mile Point: 2.01
Distance from RF3: 0.01
On/Off RF3:
Description:
POINT LOCATION: JUST BELOW THE OLD LOW WATER BRIDGE AT THE HIGHWAY 74 BR BRIDGE

Parameter Inventory for Station: BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	106	15.4	16.088	30.	0.8	56.435	7.512	6.31	9.45	22.6	26.93
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	9	23.	19.444	31.	4.	74.778	8.647	4.	12.5	25.5	31.
00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	21	94.	147.	650.	1.	30678.3	175.152	2.	7.	250.	430.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	10	160.	201.9	450.	3.	31175.656	176.566	4.5	19.5	385.	445.
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	92	1.965	2.223	6.	0.4	1.238	1.113	1.154	1.455	2.7	3.87
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	63	1.4	3.838	21.5	0.1	23.77	4.875	0.6	0.7	5.5	12.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	99	129.	142.212	276.	30.	4039.148	63.554	68.	87.	205.	230.
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	83	9.5	9.723	15.3	5.2	3.909	1.977	7.	8.7	11.	12.3
00310	BOD, 5 DAY, 20 DEG C MG/L	02/26/90-02/26/90	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	80	7.815	7.802	8.49	6.54	0.12	0.346	7.319	7.66	8.025	8.2
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	80	7.815	7.63	8.49	6.54	0.149	0.387	7.319	7.66	8.025	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	80	0.015	0.023	0.288	0.003	0.001	0.035	0.006	0.009	0.022	0.048
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	5	35.	40.	74.	0.	986.5	31.409	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	59	0.025	0.05	0.3	0.	0.003	0.054	0.	0.025	0.06	0.12
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/85-12/17/90	37	0.3	0.313	0.81	0.01	0.039	0.199	0.05	0.1	0.445	0.546
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	72	0.05	0.061	0.25	0.005	0.003	0.052	0.01	0.02	0.09	0.12
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	47	0.015	0.02	0.07	0.001	0.	0.019	0.002	0.005	0.032	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-09/24/90	2	2.5	2.5	5.	0.	12.5	3.536	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	6	55.	56.5	81.	35.	414.3	20.354	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-09/24/90	7	15.	16.436	43.	0.05	181.679	13.479	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	6	1.	1.45	4.	0.8	1.567	1.252	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-09/24/90	7	1.	1.121	3.	0.05	0.807	0.898	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-09/24/90	6	0.6	0.568	0.8	0.01	0.084	0.291	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	55	2.	2.382	5.	1.	0.611	0.782	2.	2.	3.	3.4
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	57	5.	5.386	13.	2.	5.527	2.351	2.8	4.	6.	8.2
01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/85-05/03/88	8 ##	1.	1.125	2.	1.	0.125	0.354	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/85-05/13/91	11 ##	0.5	0.682	2.	0.5	0.214	0.462	0.5	0.5	0.5	1.8
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/85-05/13/91	9 ##	1.	0.9	1.	0.1	0.09	0.3	0.1	1.	1.	1.
01037	COBALT, TOTAL (UG/L AS CO)	04/08/85-10/17/89	10 ##	0.5	1.36	8.	0.1	5.696	2.387	0.14	0.5	0.875	7.4
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/08/85-05/13/91	11	1.	4.164	17.	0.8	28.095	5.3	0.84	1.	6.	15.8
01045	IRON, TOTAL (UG/L AS FE)	04/08/85-10/17/89	10	56.	78.2	240.	5.	5065.956	71.176	7.1	29.	122.5	229.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/08/85-05/13/91	11 ##	1.	1.818	10.	1.	7.364	2.714	1.	1.	1.	8.2

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

Parameter Inventory for Station: BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	04/08/85-10/17/89	10	1.	1.49	5.	0.9	1.623	1.274	0.91	1.	1.25	4.7
01077	SILVER, TOTAL (UG/L AS AG)	04/08/85-05/03/88	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/08/85-05/13/91	11	5.	6.727	20.	1.	26.418	5.14	1.4	4.	10.	18.
01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/08/85-04/08/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/08/85-10/17/89	10	8.	9.5	20.	3.	37.611	6.133	3.2	5.	13.25	20.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-03/30/88	9	40.	423.667	3000.	0.	959341.	979.46	0.	20.	304.	3000.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/15/85-03/30/88	9	1.602	1.653	3.477	0.	1.261	1.123	0.	0.801	2.33	3.477
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			44.934								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	99	20.	59.212	575.	0.	10945.189	104.619	2.	6.	62.	180.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	99	1.301	1.267	2.76	0.	0.509	0.714	0.301	0.778	1.792	2.255
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.489								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/30/88-03/30/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/30/88-03/30/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/19/86-11/04/96	59 ##	0.015	0.02	0.109	0.	0.	0.018	0.	0.015	0.015	0.04
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	12	1.8	3.125	7.7	0.3	8.002	2.829	0.36	0.65	5.65	7.37

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

EPA Water Quality Criteria Analysis for Station: BUFF0186

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	63	0	0.00	34	0	0.00	20	0	0.00	9	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	83	0	0.00	44	0	0.00	27	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	80	0	0.00	43	0	0.00	25	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	80	0	0.00	43	0	0.00	25	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	72	0	0.00	40	0	0.00	20	0	0.00	12	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	55	0	0.00	28	0	0.00	18	0	0.00	9	0	0.00			
		Drinking Water	250.	55	0	0.00	28	0	0.00	18	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	57	0	0.00	28	0	0.00	19	0	0.00	10	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	50.	8	0	0.00	3	0	0.00	5	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	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	1300.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	15.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	4	0	0.00	6	0	0.00						
		Drinking Water	100.	10	0	0.00	4	0	0.00	6	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	100.	8	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5000.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	9	1	0.11	5	0	0.00	2	0	0.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	99	9	0.09	52	5	0.10	31	2	0.06	16	2	0.13			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	10	19.95	18.86	27.	6.	43.725	6.612	6.7	13.225	23.9	26.99
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	6	3.65	3.683	6.	2.	1.826	1.351	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	10	138.5	143.8	238.	78.	3658.844	60.488	78.6	86.25	205.	236.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	10	2.	32.6	200.	0.	4279.156	65.415	0.	1.5	32.5	189.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	10	0.301	0.764	2.301	0.	0.672	0.82	0.	0.226	1.303	2.268
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.803								

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

Annual Analysis for 1986 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	25.45	22.15	30.	7.	71.575	8.46	**	**	**	**
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	6	1.35	1.4	2.8	0.6	0.652	0.807	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	164.	164.	214.	103.	1760.4	41.957	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	13.	29.	128.	0.	2418.8	49.181	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	1.102	0.935	2.107	0.	0.667	0.816	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.618								

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

Annual Analysis for 1987 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	9	21.	17.7	28.	5.3	70.56	8.4	5.3	9.75	25.25	28.
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	9	1.1	1.611	4.4	0.8	1.309	1.144	0.8	0.85	1.95	4.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	9	170.	145.778	218.	30.	4043.194	63.586	30.	94.	202.5	218.
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	6	8.005	8.008	8.45	7.66	0.081	0.284	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	6	8.005	7.937	8.45	7.66	0.087	0.295	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	6	0.01	0.012	0.022	0.004	0.	0.007	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	9	8.	51.333	200.	0.	4897.	69.979	0.	4.	104.	200.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	9	0.903	1.202	2.301	0.	0.619	0.787	0.	0.602	2.015	2.301
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.924								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	10	16.	16.15	29.	5.8	77.123	8.782	5.86	7.6	23.075	29.
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	10	1.835	2.114	3.9	1.32	0.909	0.953	1.32	1.35	2.788	3.875
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	10	165.5	156.5	276.	33.	5870.722	76.621	37.3	87.25	212.	271.4
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	9	7.7	7.72	8.45	7.28	0.154	0.392	7.28	7.355	7.97	8.45
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	9	7.7	7.594	8.45	7.28	0.172	0.415	7.28	7.355	7.97	8.45
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	9	0.02	0.025	0.052	0.004	0.	0.018	0.004	0.012	0.045	0.052
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	10	28.	115.7	540.	8.	28240.456	168.049	8.4	12.	190.	508.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	10	1.403	1.64	2.732	0.903	0.428	0.654	0.921	1.079	2.277	2.693
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			43.697								

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

Annual Analysis for 1989 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	12	15.4	14.067	21.5	5.2	31.501	5.613	5.47	7.75	18.65	20.9
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	12	1.675	1.759	2.8	0.4	0.497	0.705	0.676	1.328	2.5	2.77
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	12	193.5	169.417	247.	78.	4574.083	67.632	80.1	98.25	237.25	245.8
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	12	7.825	7.89	8.44	7.64	0.044	0.209	7.679	7.773	7.922	8.347
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	12	7.825	7.854	8.44	7.64	0.045	0.213	7.679	7.772	7.922	8.347
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	12	0.015	0.014	0.023	0.004	0.	0.005	0.005	0.012	0.017	0.021
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	11	8.	54.273	325.	0.	9213.618	95.988	0.4	6.	60.	282.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	11	0.903	1.181	2.512	0.	0.59	0.768	0.06	0.778	1.778	2.419
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.169								

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

Annual Analysis for 1990 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	18	15.	15.822	28.	7.2	58.124	7.624	7.2	8.875	25.925	27.1
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	14	2.3	2.831	5.9	1.44	2.091	1.446	1.505	1.738	4.175	5.45
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	12	90.	116.417	211.	40.	4216.811	64.937	43.3	61.25	191.5	209.5
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	14	7.7	7.688	8.11	7.25	0.076	0.276	7.28	7.428	7.92	8.075
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	14	7.698	7.608	8.11	7.25	0.083	0.288	7.28	7.427	7.92	8.075
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	14	0.02	0.025	0.056	0.008	0.	0.015	0.008	0.012	0.037	0.053
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	14	31.	57.929	217.	0.	5411.148	73.561	1.	6.	97.	213.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	14	1.449	1.332	2.336	0.	0.534	0.731	0.151	0.778	1.987	2.329
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.465								

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

Annual Analysis for 1991 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	12	12.9	15.067	26.	5.5	50.117	7.079	6.01	8.35	22.575	25.34
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	12	2.065	2.235	5.2	1.28	1.232	1.11	1.286	1.35	2.638	4.57
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	12	108.	140.	243.	58.	5024.182	70.881	62.2	78.75	220.5	240.
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	11	7.86	7.875	8.2	7.56	0.032	0.179	7.594	7.75	7.94	8.186
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	11	7.86	7.843	8.2	7.56	0.033	0.182	7.594	7.75	7.94	8.186
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	11	0.014	0.014	0.028	0.006	0.	0.006	0.007	0.011	0.018	0.026
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	12	15.	22.333	90.	0.	650.788	25.511	0.6	2.5	37.	75.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	12	1.175	1.042	1.954	0.	0.375	0.613	0.09	0.376	1.563	1.849
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.012								

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Annual Analysis for 1992 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	16.	15.167	24.5	7.5	42.991	6.557	**	**	**	**
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	6	2.	2.155	3.3	1.65	0.376	0.613	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	105.	124.333	177.	90.	1705.467	41.297	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	5	7.83	7.732	8.1	7.1	0.142	0.376	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	5	7.83	7.575	8.1	7.1	0.173	0.415	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	5	0.015	0.027	0.079	0.008	0.001	0.03	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	5	20.	138.6	495.	6.	43228.8	207.915	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	5	1.301	1.651	2.695	0.778	0.594	0.771	**	**	**	**

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Annual Analysis for 1992 - Station BUFF0186

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 =			44.806								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	13.9	15.3	27.	6.	77.8	8.82	**	**	**	**
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	6	2.26	2.3	3.	1.62	0.28	0.53	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	112.	122.667	228.	51.	4350.267	65.957	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	6	7.945	7.975	8.19	7.79	0.038	0.196	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	6	7.924	7.94	8.19	7.79	0.04	0.199	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	6	0.012	0.011	0.016	0.006	0.	0.005	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	16.5	38.5	118.	7.	2017.9	44.921	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	1.192	1.328	2.072	0.845	0.269	0.518	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.26								

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Annual Analysis for 1994 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	16.	15.933	24.5	5.8	60.127	7.754	**	**	**	**
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	3	2.56	2.313	2.8	1.58	0.418	0.646	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	135.	132.333	231.	55.	5064.267	71.164	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	6	7.94	7.933	8.23	7.66	0.046	0.213	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	6	7.931	7.891	8.23	7.66	0.048	0.218	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	6	0.012	0.013	0.022	0.006	0.	0.006	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	42.	124.167	575.	6.	49496.967	222.479	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	1.567	1.586	2.76	0.778	0.509	0.713	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			38.573								

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

Annual Analysis for 1995 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	14.9	14.967	26.5	4.4	60.327	7.767	**	**	**	**
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	4	2.025	1.998	2.64	1.3	0.484	0.696	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	147.5	150.833	230.	81.	5086.167	71.317	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	6	7.62	7.768	8.49	7.16	0.287	0.535	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	6	7.588	7.551	8.49	7.16	0.343	0.586	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	6	0.026	0.028	0.069	0.003	0.001	0.025	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	39.5	38.5	66.	4.	641.5	25.328	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	1.57	1.442	1.82	0.602	0.214	0.463	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			27.694								

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Annual Analysis for 1996 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	5	10.7	12.08	26.5	0.8	85.782	9.262	**	**	**	**
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	4	2.41	2.29	2.9	1.44	0.487	0.698	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	4	112.5	122.25	186.	78.	2378.917	48.774	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	5	7.46	7.388	8.26	6.54	0.445	0.667	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	5	7.46	7.039	8.26	6.54	0.597	0.773	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	5	0.035	0.091	0.288	0.005	0.014	0.117	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	4	39.	41.75	60.	29.	170.917	13.074	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	4	1.591	1.606	1.778	1.462	0.017	0.13	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			40.327								

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Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	56	18.05	17.786	30.	0.8	58.618	7.656	7.35	10.9	25.55	27.
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	47	1.5	1.783	5.2	0.4	0.91	0.954	0.8	1.3	2.22	2.956
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	34	0.9	3.491	21.5	0.4	28.983	5.384	0.55	0.6	4.35	13.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	53	199.	180.17	276.	30.	3285.605	57.32	90.4	135.	220.5	241.
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	44	9.15	9.339	15.3	5.2	4.222	2.055	6.55	8.125	10.35	12.5
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	43	7.81	7.791	8.45	6.54	0.1	0.316	7.404	7.7	8.	8.13
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	43	7.81	7.618	8.45	6.54	0.131	0.361	7.404	7.7	8.	8.13
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	43	0.015	0.024	0.288	0.004	0.002	0.043	0.007	0.01	0.02	0.039
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	29 ##	0.025	0.035	0.11	0.	0.001	0.025	0.01	0.025	0.056	0.07
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	40	0.05	0.061	0.25	0.005	0.003	0.051	0.007	0.02	0.09	0.119
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	26	0.015	0.016	0.07	0.001	0.	0.016	0.001	0.004	0.016	0.04
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	28	2.5	2.643	5.	1.	0.905	0.951	1.9	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	28	5.5	6.071	13.	2.	7.476	2.734	3.	4.	8.	10.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	52	22.	63.904	575.	0.	12849.814	113.357	2.	10.	65.	194.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	52	1.342	1.358	2.76	0.	0.453	0.673	0.301	1.	1.813	2.287
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.785								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/19/86-11/04/96	30 ##	0.015	0.024	0.109	0.	0.	0.022	0.006	0.015	0.04	0.051

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	32	8.95	10.175	18.7	4.4	18.377	4.287	5.36	7.05	13.225	17.82
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	30	2.52	2.791	6.	1.8	0.941	0.97	1.864	2.038	3.15	4.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	20	3.1	4.205	15.	0.1	14.824	3.85	0.16	1.425	5.9	11.51
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	31	85.	85.129	180.	33.	698.183	26.423	51.8	76.	96.	113.4
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	27	11.	10.956	14.7	8.8	2.162	1.47	9.16	9.8	11.5	13.28
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	25	7.77	7.796	8.49	6.96	0.171	0.413	7.214	7.455	8.13	8.444
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	25	7.77	7.611	8.49	6.96	0.206	0.454	7.214	7.455	8.13	8.444
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	25	0.017	0.024	0.11	0.003	0.001	0.025	0.004	0.007	0.035	0.061
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	19	0.057	0.07	0.3	0.	0.005	0.07	0.025	0.025	0.12	0.13
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	20	0.04	0.062	0.25	0.005	0.004	0.062	0.01	0.02	0.087	0.174
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	14	0.016	0.026	0.06	0.003	0.	0.022	0.004	0.005	0.05	0.06
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	18	2.	2.167	3.	1.	0.265	0.514	1.9	2.	2.25	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	19	5.	4.895	8.	2.	3.211	1.792	2.	4.	6.	8.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	31	7.	40.	495.	0.	9202.133	95.928	0.	4.	40.	121.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	31	0.845	0.988	2.695	0.	0.49	0.7	0.	0.602	1.602	2.08
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.717								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/19/86-11/04/96	19 ##	0.015	0.016	0.06	0.	0.	0.012	0.	0.015	0.015	0.03

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	18	21.	21.317	29.	14.6	21.153	4.599	14.96	17.875	24.875	28.1
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	15	2.	2.465	5.9	1.32	1.707	1.306	1.464	1.6	2.8	5.36
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	9	2.5	4.333	17.	0.7	28.333	5.323	0.7	0.75	6.6	17.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	15	122.	126.067	195.	59.	1625.352	40.316	70.4	94.	164.	181.2
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	12	8.6	8.358	10.	6.5	1.172	1.082	6.62	7.275	9.	9.88
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	12	7.825	7.852	8.32	7.1	0.102	0.319	7.268	7.703	8.135	8.284
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	12	7.825	7.724	8.32	7.1	0.119	0.346	7.268	7.703	8.135	8.284
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	12	0.015	0.019	0.079	0.005	0.	0.02	0.005	0.007	0.02	0.062
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	11	0.025	0.055	0.25	0.	0.005	0.072	0.	0.	0.08	0.217

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	12	0.065	0.062	0.13	0.01	0.001	0.036	0.016	0.03	0.09	0.118
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	7	0.015	0.023	0.05	0.001	0.	0.021	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	9	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	10	4.5	4.4	7.	2.	2.489	1.578	2.	3.5	5.25	6.9
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	16	61.	81.188	325.	2.	8060.696	89.781	2.	10.5	117.	244.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	16	1.785	1.513	2.512	0.301	0.553	0.743	0.301	1.02	2.068	2.379
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.612								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/19/86-11/04/96	10 ##	0.015	0.015	0.04	0.	0.	0.011	0.	0.011	0.015	0.038

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

Station Inventory for Station: BUFF0187

NPS Station ID: BUFF0187
LAT/LON: 36.020838/ -93.354171
Agency: 11NPSWRD
Date Created: 01/18/97
Location: Buffalo River at Ponca
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF_MOTT_R02 /05NPS002 /BUFR02 /4J00011
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 311
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38M
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:
Station is located on the Buffalo River at Ponca above the old low water bridge about 100 meters upstream from the Highway 74 Buffalo River Bridge - just upstream from the confluence with Ponca Creek at the northern end of Boxley Valley. Station is within Buffalo National River and can be found on the Ponca 7.5' USGS quadrangle. This station coincides with the Buffalo National River routine-ongoing monitoring station maintained by the National Park Service and referenced by STORET primary number: 05NPS002. The data stored here were collected in 1989 as part of David Mott's University of Arkansas Master's Thesis entitled: "Effects of Cattle Pasture Runoff on the Water Chemistry of the Buffalo River; Boxley Valley; Arkansas" (1990). All data stored at this station were collected during significant rainfall-runoff events to measure the impact of nonpoint source pollution. For additional information contact David Mott at Buffalo National River - Resource Management; P.O. Box 1173 Harrison AR 72602 (tel. 501-741-5443).

Parameter Inventory for Station: BUFF0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/25/89-05/23/89	34	14.1	11.847	16.7	6.3	15.673	3.959	6.55	7.25	15.3	16.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/25/89-05/23/89	34	660.	779.706	2100.	100.	351446.881	592.83	132.5	168.75	1175.	1850.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/25/89-05/23/89	34	4.25	11.559	43.	1.	151.52	12.309	1.4	2.225	16.875	33.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/25/89-05/23/89	34	75.	105.765	228.	60.	3074.791	55.451	62.	66.75	134.	201.5
00300	OXYGEN, DISSOLVED MG/L	01/25/89-05/23/89	34	9.65	9.791	10.9	8.7	0.37	0.608	9.05	9.3	10.325	10.7
00406	PH, FIELD, STANDARD UNITS SU	01/25/89-05/23/89	34	7.71	7.704	8.03	7.45	0.027	0.165	7.5	7.545	7.858	7.93
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/25/89-05/23/89	34	7.71	7.675	8.03	7.45	0.028	0.168	7.5	7.545	7.857	7.93
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/25/89-05/23/89	34	0.019	0.021	0.035	0.009	0.	0.008	0.012	0.014	0.029	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/89-05/22/89	7	54.	47.857	70.	24.	305.143	17.468	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/25/89-05/23/89	33	0.35	0.521	1.86	0.025	0.198	0.445	0.03	0.15	0.815	1.196
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/25/89-05/23/89	33 ##	0.005	0.043	0.28	0.005	0.005	0.068	0.005	0.005	0.075	0.162
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/89-05/23/89	33	0.35	0.559	2.03	0.025	0.233	0.482	0.05	0.155	0.82	1.264
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/25/89-05/23/89	34 ##	0.003	0.009	0.07	0.003	0.	0.014	0.003	0.003	0.01	0.025
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/25/89-01/29/89	15	9.4	11.067	20.	7.2	16.221	4.028	7.32	8.	15.	17.84
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/25/89-01/29/89	15	0.9	1.04	1.5	0.8	0.048	0.22	0.86	0.9	1.3	1.44
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/25/89-01/29/89	15	3.2	3.113	4.6	1.9	0.743	0.862	1.9	2.1	3.7	4.42
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/25/89-01/29/89	15	0.4	0.397	0.52	0.25	0.006	0.08	0.28	0.35	0.45	0.52
00940	CHLORIDE,TOTAL IN WATER MG/L	01/25/89-01/29/89	14	3.	2.786	3.	2.	0.181	0.426	2.	2.75	3.	3.
01046	IRON, DISSOLVED (UG/L AS FE)	01/25/89-01/29/89	13	31.	31.692	44.	5.	198.231	14.079	5.	25.	43.	43.6

** - 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: BUFF0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	01/25/89-01/29/89	13	8.	8.	9.	4.	1.667	1.291	5.6	8.	9.	9.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/25/89-01/29/89	13 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/25/89-01/29/89	13	10.	9.308	13.	2.	8.731	2.955	3.2	8.5	11.	12.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/25/89-05/23/89	34	300.	386.676	1500.	15.	104751.983	323.654	40.	127.5	626.25	737.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/25/89-05/23/89	34	2.477	2.387	3.176	1.176	0.243	0.493	1.588	2.105	2.797	2.868
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			243.976								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/25/89-05/23/89	33	0.032	0.033	0.089	0.003	0.001	0.024	0.003	0.014	0.047	0.073

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

EPA Water Quality Criteria Analysis for Station: BUFF0187

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	34	0	0.00				22	0	0.00	12	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	34	0	0.00				22	0	0.00	12	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	34	0	0.00				22	0	0.00	12	0	0.00			
		Other-Lo Lim.	6.5	34	0	0.00				22	0	0.00	12	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	34	0	0.00				22	0	0.00	12	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00				14	0	0.00						
		Drinking Water	250.	14	0	0.00				14	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	13	0	0.00				13	0	0.00						
		Drinking Water	15.	13	0	0.00				13	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	13	0	0.00				13	0	0.00						
		Drinking Water	5000.	13	0	0.00				13	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	34	20	0.59				22	11	0.50	12	9	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: BUFF0188

NPS Station ID: BUFF0188 LAT/LON: 36.020559/ -93.354448 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R 200 FT UPST FROM LEATHERWOOD CREEK FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF20
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 20.420 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001222.03 RF3 Mile Point: 22.02 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER 200 FEET UPSTREAM FROM LEATHERWOOD CREEK

Parameter Inventory for Station: BUFF0188

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	230.	230.	230.	230.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	375.	375.	375.	375.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	550.	550.	550.	550.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	15600.	15600.	15600.	15600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0189

NPS Station ID: BUFF0189 LAT/LON: 36.022226/ -93.354448 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R APPR 200 FT BELOW PONCA CR CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF25
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 20.270 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001221.41 RF3 Mile Point: 21.40 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPROXIMATELY 200 FEET BELOW PONCA CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	1350.	1350.	1350.	1350.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	425.	425.	425.	425.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	425.	425.	425.	425.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	14600.	14600.	14600.	14600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0190

NPS Station ID: BUFF0190
LAT/LON: 36.021115/ -93.354448
Agency: 1116APCC
Date Created: 02/03/90
Location: PONCA CREEK - TRIBUTARY OF BUFFALO RIVER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS011 /BUFT02 /4J00023
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 311
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38M
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.70
On/Off RF1:
RF3 Index: 11010005001300.00
RF3 Mile Point: 0.04
Distance from RF3: 0.04
On/Off RF3:
Description:
POINT LOCATION: AT THE MOUTH OF PONCA CREEK JSUT BELOW THE PONCA LOW WATER BRIDGE

Parameter Inventory for Station: BUFF0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	77	17.5	16.471	27.	5.	44.72	6.687	5.96	9.95	22.55	24.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-02/25/91	4	23.5	18.75	24.	4.	96.917	9.845	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/27/95	19	2.	4.063	27.	0.01	39.381	6.275	0.02	0.2	6.	8.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	10	2.5	2.495	8.	0.02	6.245	2.499	0.021	0.233	4.	7.6
00065	STAGE, STREAM (FEET)	04/08/85-11/14/94	37	0.82	0.874	2.	0.12	0.234	0.484	0.208	0.47	1.22	1.56
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	49	1.7	3.28	23.	0.2	16.987	4.122	0.6	0.9	4.25	8.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	75	247.	245.973	355.	17.	3463.243	58.849	176.8	215.	287.	311.4
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	59	9.7	9.497	15.3	3.5	4.609	2.147	7.2	8.2	10.6	12.1
00400	PH (STANDARD UNITS)	02/03/88-11/04/96	58	8.155	8.122	8.99	7.42	0.087	0.295	7.625	8.01	8.3	8.4
00400	CONVERTED PH (STANDARD UNITS)	02/03/88-11/04/96	58	8.155	8.016	8.99	7.42	0.098	0.313	7.625	8.01	8.3	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/03/88-11/04/96	58	0.007	0.01	0.038	0.001	0.	0.008	0.004	0.005	0.01	0.024
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/03/88-12/06/93	5	111.	79.	149.	0.	5385.5	73.386	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/88-11/04/96	48 ##	0.025	0.038	0.2	0.	0.002	0.041	0.	0.025	0.048	0.092
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/88-01/13/92	16	0.225	0.265	0.6	0.05	0.026	0.161	0.085	0.123	0.42	0.53
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/03/88-11/04/96	48	0.06	0.082	0.29	0.005	0.005	0.072	0.01	0.03	0.11	0.191
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/03/88-09/28/92	21 ##	0.015	0.02	0.06	0.001	0.	0.018	0.001	0.005	0.035	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/03/88-09/24/90	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	5	135.	134.2	155.	114.	330.7	18.185	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	02/03/88-09/24/90	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	02/03/88-02/03/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	02/03/88-09/24/90	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	02/03/88-09/24/90	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/88-11/04/96	42	3.	2.833	6.	0.	1.02	1.01	2.	2.	3.25	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/88-11/04/96	44	10.	10.114	16.	0.	9.917	3.149	6.5	9.	11.	15.5
01002	ARSENIC, TOTAL (UG/L AS AS)	02/03/88-02/03/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	02/03/88-05/13/91	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/03/88-05/13/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	02/03/88-02/03/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	02/03/88-05/13/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/03/88-02/03/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/03/88-05/13/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	02/03/88-02/03/88	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: BUFF0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	02/03/88-02/03/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/03/88-02/03/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	02/03/88-02/03/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	02/03/88-02/03/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-08/31/85	5	115.	135.2	320.	0.	13617.7	116.695	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/15/85-08/31/85	5	2.061	1.742	2.505	0.	0.988	0.994	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			55.195								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	74	6.	48.824	675.	0.	19426.421	139.379	0.5	2.	20.	79.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	74	0.778	0.909	2.829	0.	0.505	0.711	0.	0.301	1.301	1.885
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.112								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/88-11/04/96	45 ##	0.015	0.017	0.074	0.	0.	0.012	0.	0.015	0.015	0.037
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	10	2.25	4.28	22.	0.5	40.991	6.402	0.53	0.8	4.35	20.25

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

EPA Water Quality Criteria Analysis for Station: BUFF0190

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	49	0	0.00	22	0	0.00	14	0	0.00	13	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	59	2	0.03	26	2	0.08	19	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	58	0	0.00	26	0	0.00	18	0	0.00	14	0	0.00			
		Other-Lo Lim.	6.5	58	0	0.00	26	0	0.00	18	0	0.00	14	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	48	0	0.00	23	0	0.00	14	0	0.00	11	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	20	0	0.00	14	0	0.00	8	0	0.00			
		Drinking Water	250.	42	0	0.00	20	0	0.00	14	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	44	0	0.00	20	0	0.00	15	0	0.00	9	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						
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	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5.	2	0	0.00				1	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
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.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	1300.	2	0	0.00				1	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	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.	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			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	0	0.00	4	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	74	5	0.07	32	2	0.06	21	0	0.00	21	3	0.14			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	10	0	0.00	4	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	34	18.8	17.871	27.	5.3	41.61	6.451	8.	13.15	23.3	25.6
00065	STAGE, STREAM (FEET)	04/08/85-11/14/94	13	0.7	0.768	1.8	0.16	0.256	0.506	0.16	0.27	1.185	1.64
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	22	1.15	2.241	13.	0.2	10.49	3.239	0.46	0.6	1.775	8.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	33	284.	271.455	355.	148.	2438.943	49.386	186.4	234.5	302.5	324.6
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	26	9.45	8.912	13.2	3.5	5.735	2.395	4.25	8.1	10.05	12.3
00400	PH (STANDARD UNITS)	02/03/88-11/04/96	26	8.085	8.006	8.38	7.42	0.082	0.286	7.548	7.718	8.243	8.315
00400	CONVERTED PH (STANDARD UNITS)	02/03/88-11/04/96	26	8.085	7.906	8.38	7.42	0.092	0.304	7.548	7.717	8.242	8.315
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/03/88-11/04/96	26	0.008	0.012	0.038	0.004	0.	0.009	0.005	0.006	0.019	0.028
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/88-11/04/96	22 ##	0.025	0.035	0.12	0.	0.001	0.03	0.003	0.025	0.046	0.087
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/03/88-11/04/96	23	0.06	0.093	0.27	0.01	0.005	0.074	0.018	0.04	0.14	0.23
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/88-11/04/96	20	3.	3.2	6.	2.	1.011	1.005	2.	2.25	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/88-11/04/96	20	10.	10.25	16.	6.	9.461	3.076	6.1	7.25	12.5	15.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	32	7.	46.344	675.	0.	18030.168	134.276	0.6	3.25	19.75	86.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	32	0.841	0.959	2.829	0.	0.457	0.676	0.09	0.508	1.295	1.927
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.106								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/88-11/04/96	20 ##	0.015	0.02	0.074	0.	0.	0.016	0.002	0.015	0.015	0.041

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	22	9.25	10.018	18.1	5.	19.374	4.402	5.23	5.8	14.675	16.63
00065	STAGE, STREAM (FEET)	04/08/85-11/14/94	12	1.04	1.059	2.	0.4	0.201	0.449	0.442	0.74	1.325	1.865
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	14	3.25	3.15	5.6	0.8	2.169	1.473	1.	1.7	4.325	5.05
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	21	213.	199.81	244.	98.	1828.462	42.761	116.2	181.	232.5	242.4
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	19	11.1	11.126	15.3	9.2	2.063	1.436	9.4	10.	11.9	12.2
00400	PH (STANDARD UNITS)	02/03/88-11/04/96	18	8.28	8.287	8.99	7.54	0.096	0.309	7.927	8.108	8.422	8.711
00400	CONVERTED PH (STANDARD UNITS)	02/03/88-11/04/96	18	8.28	8.177	8.99	7.54	0.109	0.33	7.927	8.107	8.422	8.711
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/03/88-11/04/96	18	0.005	0.007	0.029	0.001	0.	0.006	0.002	0.004	0.008	0.013
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/88-11/04/96	15 ##	0.025	0.041	0.18	0.	0.002	0.046	0.	0.025	0.05	0.137
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/03/88-11/04/96	14	0.05	0.05	0.15	0.005	0.002	0.043	0.008	0.01	0.07	0.13
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/88-11/04/96	14	2.5	2.5	4.	0.	1.038	1.019	1.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/88-11/04/96	15	10.	10.2	16.	0.	15.743	3.968	4.2	9.	11.	16.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	21	2.	10.048	99.	0.	477.048	21.841	0.	1.	9.5	26.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	21	0.301	0.538	1.996	0.	0.341	0.584	0.	0.	0.977	1.415
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.45								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/88-11/04/96	16 ##	0.015	0.014	0.021	0.	0.	0.005	0.	0.015	0.015	0.017

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/85-11/04/96	21	21.5	20.967	26.	14.5	10.584	3.253	15.76	18.6	23.35	25.
00065	STAGE, STREAM (FEET)	04/08/85-11/14/94	12	0.92	0.803	1.6	0.12	0.23	0.48	0.15	0.27	1.16	1.504
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	13	2.2	5.177	23.	0.5	41.345	6.43	0.58	0.9	7.9	18.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/85-11/04/96	21	273.	252.095	315.	17.	3734.89	61.114	212.6	238.	282.5	307.
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	14	8.5	8.371	9.9	6.7	0.75	0.866	6.95	7.65	9.025	9.55
00400	PH (STANDARD UNITS)	02/03/88-11/04/96	14	8.15	8.126	8.33	7.63	0.033	0.183	7.775	8.055	8.262	8.315
00400	CONVERTED PH (STANDARD UNITS)	02/03/88-11/04/96	14	8.15	8.082	8.33	7.63	0.036	0.188	7.775	8.055	8.262	8.315
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/03/88-11/04/96	14	0.007	0.008	0.023	0.005	0.	0.005	0.005	0.005	0.009	0.018
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/88-11/04/96	11	0.025	0.04	0.2	0.	0.003	0.057	0.	0.	0.05	0.172
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/03/88-11/04/96	11	0.07	0.097	0.29	0.01	0.008	0.089	0.01	0.03	0.18	0.27
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/88-11/04/96	8	2.	2.5	4.	2.	0.571	0.756	**	**	**	**

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/88-11/04/96	9	10.	9.667	12.	6.	3.	1.732	6.	9.	11.	12.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	21	10.	91.381	630.	2.	38992.348	197.465	4.	4.	34.5	540.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/08/85-11/04/96	21	1.	1.204	2.799	0.301	0.554	0.744	0.602	0.602	1.537	2.732
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.992								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/88-11/04/96	9 ##	0.015	0.016	0.04	0.	0.	0.01	0.	0.015	0.015	0.04

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

Station Inventory for Station: BUFF0191

NPS Station ID: BUFF0191 LAT/LON: 36.021671/ -93.355004 Agency: 21ARUNFA Date Created: 12/15/79
Location: BUFFALO R 50 YDS DNST FROM PONCA CREEK CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF40
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 20.420 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005048200.89 RF3 Mile Point: 0.98 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 50 YARDS DOWNSTREAM FROM PONCA CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/74-08/20/74	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/74-08/20/74	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	08/19/74-08/19/74	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	08/19/74-08/19/74	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/74-08/20/74	1	2.25	2.25	2.25	2.25	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/74-08/20/74	1	1.34	1.34	1.34	1.34	0.	0.	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	08/19/74-08/19/74	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/20/74-08/20/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/20/74-08/20/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/20/74-08/20/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/20/74-08/20/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	08/19/74-08/19/74	1	105.	105.	105.	105.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/20/74-08/20/74	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/20/74-08/20/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/19/74-08/19/74	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/74-08/20/74	1	29.3	29.3	29.3	29.3	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/74-08/20/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/74-08/20/74	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	08/19/74-08/19/74	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/20/74-08/20/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	08/19/74-08/19/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/20/74-08/20/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	08/19/74-08/19/74	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81357	CALCIUM SUSPENDED MG/L	08/19/74-08/19/74	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0191

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01091	ZINC, SUSPENDED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: BUFF0192

NPS Station ID: BUFF0192 | LAT/LON: 36.020838/ -93.355004 | Agency: 21ARUNFA | Date Created: 10/06/79
Location: LEATHERWOOD CR UPST FROM BUFFALO R - RM 120 | FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): BUFF41
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 | Depth of Water: 0 | Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS | Elevation: 0 | Water Body Id:
Minor Basin: WHITE RIVER | ECO Region:
RF1 Index: 11010005012 | RF1 Mile Point: 20.420 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 11010005001102.98 | RF3 Mile Point: 3.67 | Distance from RF3: 0.02 | On/Off RF3:
Description:
DATA FROM THE UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LEATHERWOOD CREEK APPR 110 FEET UPSTREAM FROM BUFFALO RIVER, RM 120

Parameter Inventory for Station: BUFF0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/75-08/15/75	1	15.1	15.1	15.1	15.1	0.	0.	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/18/75-07/18/75	1	2625.	2625.	2625.	2625.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/18/75-07/18/75	1	183.	183.	183.	183.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/75-08/15/75	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	07/18/75-07/18/75	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	07/18/75-07/18/75	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/75-08/15/75	1	2.23	2.23	2.23	2.23	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/18/75-07/18/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/75-08/15/75	1	1.21	1.21	1.21	1.21	0.	0.	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	07/18/75-07/18/75	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/18/75-07/18/75	1	105.	105.	105.	105.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/15/75-08/15/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/18/75-07/18/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/18/75-07/18/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/15/75-08/15/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/15/75-08/15/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/18/75-07/18/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/15/75-08/15/75	1 ##	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/18/75-07/18/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/18/75-07/18/75	1	75.	75.	75.	75.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/75-08/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/15/75-08/15/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/18/75-07/18/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/18/75-07/18/75	1	346.	346.	346.	346.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/18/75-07/18/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/75-08/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/15/75-08/15/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/18/75-07/18/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/15/75-08/15/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	07/18/75-07/18/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/18/75-07/18/75	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/18/75-07/18/75	1	10600.	10600.	10600.	10600.	0.	0.	**	**	**	**
81357	CALCIUM SUSPENDED MG/L	07/18/75-07/18/75	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: BUFF0192

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01091	ZINC, SUSPENDED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: BUFF0193

NPS Station ID: BUFF0193 LAT/LON: 36.021392/ -93.355004 Agency: 21ARUNFA Date Created: 10/06/79
Location: LEATHERWOOD CR APPR 100 FT ABV BUFFALO R CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF24
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 20.420 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM LEATHERWOOD CREEK APPR 100 FEET ABOVE BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	19750.	19750.	19750.	19750.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	1035.	1035.	1035.	1035.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1325.	1325.	1325.	1325.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	22900.	22900.	22900.	22900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0194

NPS Station ID: BUFF0194 LAT/LON: 36.021392/ -93.355560 Agency: 21ARUNFA Date Created: 10/06/79
Location: PONCA CR APPR 0.05 MI ABV CONF WITH BUFFALO R FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PONC01
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 20.660 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005064600.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM PONCA CREEK APPROXIMATELY 0.05 MILE ABOVE CONFLUENCE WITH BUFFALO RIVER

Parameter Inventory for Station: BUFF0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-03/06/75	4	41.85	42.175	56.5	28.5	130.823	11.438	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	03/12/74-07/15/75	7	9995.	13842.857	37500.	3000.	123577912.476	11116.56	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	03/12/74-07/15/75	7	464.	445.286	560.	335.	6775.905	82.316	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-03/06/75	4	3.	2.975	3.6	2.3	0.309	0.556	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	06/17/74-03/06/75	3	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	06/17/74-03/06/75	3	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-03/06/75	4	1.285	1.298	1.5	1.12	0.024	0.156	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	03/12/74-07/15/75	6	10.5	12.	31.	2.	100.4	10.02	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-03/06/75	4	0.885	0.895	1.02	0.79	0.012	0.108	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	06/17/74-03/06/75	3	0.001	0.002	0.003	0.001	0.	0.001	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	03/12/74-07/15/75	6	154.	158.5	282.	5.	8769.9	93.648	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-03/06/75	4	0.7	0.95	2.	0.4	0.57	0.755	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	06/17/74-12/20/74	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/12/74-07/15/75	7	4.25	3.746	7.4	1.2	4.452	2.11	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/12/74-07/15/75	7	12.	11.857	16.	8.	10.81	3.288	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/17/74-03/06/75	3	2.	2.667	4.	2.	1.333	1.155	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	06/17/74-12/20/74	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/17/74-03/06/75	3	3.	3.	4.	2.	1.	1.	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	06/17/74-12/20/74	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	03/12/74-07/15/75	7	11.	12.	16.	7.	14.	3.742	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-03/06/75	4	1.5	1.75	3.	1.	0.917	0.957	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	12/20/74-12/20/74	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/12/74-07/15/75	7	5.	5.857	9.	3.	3.81	1.952	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/17/74-03/06/75	3	76.	92.	125.	75.	817.	28.583	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-03/06/75	5	5.	5.64	12.	0.2	18.748	4.33	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-03/06/75	4	6.	5.75	8.	3.	6.917	2.63	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	06/17/74-12/20/74	2	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/74-07/15/75	7	58.	114.286	357.	12.5	15699.988	125.3	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/12/74-07/15/75	7	848.	869.286	1496.	437.	192950.238	439.261	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/17/74-03/06/75	3	1.9	1.733	2.6	0.7	0.923	0.961	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-03/06/75	4	5.25	5.05	6.7	3.	2.71	1.646	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/17/74-03/06/75	3	3.	4.	8.	1.	13.	3.606	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	06/17/74-12/20/74	2	0.65	0.65	1.	0.3	0.245	0.495	**	**	**	**

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

Parameter Inventory for Station: BUFF0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/12/74-07/15/75	7	19.	18.143	25.	6.	40.476	6.362	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/24/74-03/06/75	2	25.	25.	32.	18.	98.	9.899	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	12/20/74-03/06/75	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-03/06/75	4	23.	39.75	106.	7.	2120.25	46.046	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	06/17/74-03/06/75	3	3.	2.333	3.	1.	1.333	1.155	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/12/74-07/15/75	7	1140.	1041.857	1923.	53.	402862.143	634.714	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	12/24/74-03/06/75	2	2.	2.	2.	2.	0.	0.	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	12/20/74-03/06/75	2	0.115	0.115	0.13	0.1	0.	0.021	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/12/74-07/15/75	7	2.5	4615.857	21400.	1.4	71271177.526	8442.226	**	**	**	**
81357	CALCIUM SUSPENDED MG/L	06/17/74-03/06/75	3	0.03	0.023	0.03	0.01	0.	0.012	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0194

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	15.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	15.	2	0	0.00	1	0	0.00				1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01066	NICKEL, SUSPENDED	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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01091	ZINC, SUSPENDED	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			

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

Station Inventory for Station: BUFF0195

NPS Station ID: BUFF0195 LAT/LON: 36.041115/ -93.356948 Agency: 21ARUNFA Date Created: 10/06/79
Location: ADDS CREEK APPR 1.4 MI ABV CONF WITH PONCA CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ADDS02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 19.010 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048300.53 RF3 Mile Point: 0.55 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ADDS CREEK APPROXIMATELY 1.4 MILES ABOVE CONFLUENCE WITH PONCA CREEK

Parameter Inventory for Station: BUFF0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	5525.	5525.	5525.	5525.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	323.	323.	323.	323.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	557.	557.	557.	557.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	452.	452.	452.	452.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	799.	799.	799.	799.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	1725.	1725.	1725.	1725.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	31800.	31800.	31800.	31800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0196

NPS Station ID: BUFF0196
LAT/LON: 36.020559/ -93.359726
Agency: 21ARUNFA
Date Created: 10/06/79
Location: PONCA CR APPR O.3 MI ABV CONF WITH BUFFALO RIVER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PONC02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 20.660
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005048200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM PONCA CREEK APPROXIMATELY 0.3 MILE ABOVE CONFLUENCE WITH BUFFALO RIVER

Parameter Inventory for Station: BUFF0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	16200.	16200.	16200.	16200.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	366.	366.	366.	366.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	322.	322.	322.	322.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	5.84	5.84	5.84	5.84	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	240.	240.	240.	240.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	1701.	1701.	1701.	1701.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	1375.	1375.	1375.	1375.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	26400.	26400.	26400.	26400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0197

NPS Station ID: BUFF0197
LAT/LON: 36.046670/ -93.359726
Agency: 21ARUNFA
Date Created: 10/06/79
Location: ADDS CR APPR 2 MI ABV CONF WITH PONCA CR
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ADDS03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 19.010
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005048300.53
RF3 Mile Point: 1.21
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ADDS CREEK APPROXIMATELY 2 MILES ABOVE CONFLUENCE WITH PONCA CREEK

Parameter Inventory for Station: BUFF0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	343.	343.	343.	343.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	227.	227.	227.	227.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	162.	162.	162.	162.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	1583.	1583.	1583.	1583.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	32500.	32500.	32500.	32500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0198

NPS Station ID: BUFF0198 LAT/LON: 36.051392/ -93.359726 Agency: 21ARUNFA Date Created: 10/06/79
Location: ADDS CR APPR 2.4 MI ABV CONF WITH PONCA CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ADDS04
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 19.010 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048300.53 RF3 Mile Point: 1.44 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ADDS CREEK APPROXIMATELY 2.4 MILES ABOVE CONFLUENCE WITH PONCA CREEK

Parameter Inventory for Station: BUFF0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	1343.	1343.	1343.	1343.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	161.	161.	161.	161.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	1456.	1456.	1456.	1456.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	69.	69.	69.	69.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	35800.	35800.	35800.	35800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0199

NPS Station ID: BUFF0199 LAT/LON: 36.007226/ -93.363337 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER 200 FT DNST FROM CLARK CREEK CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF19
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 21.790 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005048500.00 RF3 Mile Point: 0.13 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 200 FEET DOWNSTREAM FROM CLARK CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	2250.	2250.	2250.	2250.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	525.	525.	525.	525.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	675.	675.	675.	675.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	62.	62.	62.	62.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	19300.	19300.	19300.	19300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0200

NPS Station ID: BUFF0200
LAT/LON: 36.006392/ -93.363616
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER 200 FT UPSTREAM FROM CLARK CREEK
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF17
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 21.790
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005001222.60
RF3 Mile Point: 22.64
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER 200 FEET UPSTREAM FROM CLARK CREEK

Parameter Inventory for Station: BUFF0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	365.	365.	365.	365.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	437.	437.	437.	437.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	17700.	17700.	17700.	17700.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0201

NPS Station ID: BUFF0201 LAT/LON: 36.034726/ -93.363893 Agency: 21ARUNFA Date Created: 10/06/79
Location: ADDS CR APPR 0.7 MI ABV CONF WITH PONCA CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ADDS01
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 19.010 Distance from RF1: 18.70 On/Off RF1: OFF
RF3 Index: 11010005045200.71 RF3 Mile Point: 2.18 Distance from RF3: 0.12 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ADDS CR APPR 0.7 MI ABV CONF WITH PONCA CR - JUST ABV UNNAMED TRIBUTARY

Parameter Inventory for Station: BUFF0201

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	3575.	3575.	3575.	3575.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	322.	322.	322.	322.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	272.	272.	272.	272.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	1853.	1853.	1853.	1853.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	260.	260.	260.	260.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	25500.	25500.	25500.	25500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0202

NPS Station ID: BUFF0202 LAT/LON: 36.026392/ -93.365003 Agency: 21ARUNFA Date Created: 10/06/79
Location: PONCA CR APPR 0.05 MI BLW CONF WITH ADDS CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PONC03
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 20.660 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM PONCA CREEK APPROXIMATELY 0.05 MILE BELOW CONFLUENCE WITH ADDS CREEK

Parameter Inventory for Station: BUFF0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	5900.	5900.	5900.	5900.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	154.	154.	154.	154.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	66.	66.	66.	66.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	14.63	14.63	14.63	14.63	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	653.	653.	653.	653.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	3500.	3500.	3500.	3500.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	12600.	12600.	12600.	12600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0203

NPS Station ID: BUFF0203 LAT/LON: 36.034170/ -93.365282 Agency: 21ARUNFA Date Created: 10/06/79
Location: ADDS CR APPR 0.5 MI ABV PONCA CR CONFLUENCE FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF23
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 19.010 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 110100050012221.46 RF3 Mile Point: 21.51 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ADDS CREEK APPR 0.5 MI ABOVE PONCA CR CONF - 7.0 R MILES FROM SMITH CR

Parameter Inventory for Station: BUFF0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	18750.	18750.	18750.	18750.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	462.	462.	462.	462.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	57.5	57.5	57.5	57.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	368.	368.	368.	368.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	35200.	35200.	35200.	35200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0204

NPS Station ID: BUFF0204
LAT/LON: 36.003615/ -93.366115
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO R APPR 200 FT UPST FROM RUNNING CREEK
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF15
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 21.790
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 11010005001222.60
RF3 Mile Point: 23.61
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 200 FEET UPSTREAM FROM RUNNING CREEK

Parameter Inventory for Station: BUFF0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	5000.	5000.	5000.	5000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	687.	687.	687.	687.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1125.	1125.	1125.	1125.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	26600.	26600.	26600.	26600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0205

NPS Station ID: BUFF0205 LAT/LON: 36.026948/ -93.366670 Agency: 21ARUNFA Date Created: 10/06/79
Location: PONCA CR APPR 0.1 MI ABV CONF WITH ADDS CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PONC04
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 20.660 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM PONCA CREEK APPROXIMATELY 0.1 MILE ABOVE CONFLUENCE WITH ADDS CREEK

Parameter Inventory for Station: BUFF0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-07/15/75	2	35125.	35125.	55000.	15250.	790031250.	28107.495	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-07/15/75	2	1110.5	1110.5	1471.	750.	259920.5	509.824	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	403.	403.	403.	403.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-07/15/75	2	1.57	1.57	1.99	1.15	0.353	0.594	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-07/15/75	2	18.	18.	19.	17.	2.	1.414	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-07/15/75	2	19.	19.	20.	18.	2.	1.414	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-07/15/75	2	9.	9.	11.	7.	8.	2.828	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-07/15/75	2	19.5	19.5	30.	9.	220.5	14.849	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-07/15/75	2	1627.	1627.	1829.	1425.	81608.	285.671	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-07/15/75	2	35.5	35.5	38.	33.	12.5	3.536	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-07/15/75	2	70.	70.	72.	68.	8.	2.828	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-07/15/75	2	31750.	31750.	38500.	25000.	91125000.	9545.942	**	**	**	**

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

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

Station Inventory for Station: BUFF0206

NPS Station ID: BUFF0206 LAT/LON: 36.002504/ -93.367226 Agency: 21ARUNFA Date Created: 10/06/79
Location: RUNNING CR 200 FT ABV CONF WITH BUFFALO RIVER FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF16
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 22.040 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001222.60 RF3 Mile Point: 22.59 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM RUNNING CREEK 200 FEET ABOVE CONFLUENCE WITH BUFFALO RIVER

Parameter Inventory for Station: BUFF0206

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	1030.	1030.	1030.	1030.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	850.	850.	850.	850.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	69.	69.	69.	69.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	22600.	22600.	22600.	22600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0207

NPS Station ID: BUFF0207 LAT/LON: 36.028059/ -93.368338 Agency: 21ARUNFA Date Created: 10/06/79
Location: PONCA CR APPR 0.3 MI ABV CONF WITH ADDS CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PONC05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 20.660 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048200.89 RF3 Mile Point: 0.95 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM PONCA CREEK APPROXIMATELY 0.3 MILE ABOVE CONFLUENCE WITH ADDS CREEK

Parameter Inventory for Station: BUFF0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	44600.	44600.	44600.	44600.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	1155.	1155.	1155.	1155.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	423.	423.	423.	423.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	1.82	1.82	1.82	1.82	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	2727.	2727.	2727.	2727.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	78.	78.	78.	78.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	36100.	36100.	36100.	36100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0208

NPS Station ID: BUFF0208 LAT/LON: 36.007503/ -93.370281 Agency: 21ARUNFA Date Created: 10/06/79
Location: CLARK CR APPR 0.25 MI UPST FROM BUFFALO R CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF18
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 21.790 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001222.03 RF3 Mile Point: 22.02 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM CLARK CREEK APPR 0.25 MILE UPSTREAM FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	22750.	22750.	22750.	22750.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	525.	525.	525.	525.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1125.	1125.	1125.	1125.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	69.	69.	69.	69.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0209

NPS Station ID: BUFF0209 LAT/LON: 36.041670/ -93.370837 Agency: 21ARUNFA Date Created: 10/06/79
Location: UNNAMED TRIB APPR 0.7 MI ABV CONF WITH ADDS CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ADDS05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 19.010 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048300.53 RF3 Mile Point: 1.82 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM UNNAMED TRIBUTARY APPROXIMATELY 0.7 MI ABOVE CONFLUENCE WITH ADDS CREEK

Parameter Inventory for Station: BUFF0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	5500.	5500.	5500.	5500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	414.	414.	414.	414.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	262.	262.	262.	262.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	2786.	2786.	2786.	2786.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	73.	73.	73.	73.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	50500.	50500.	50500.	50500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0210

NPS Station ID: BUFF0210 LAT/LON: 36.044448/ -93.375005 Agency: 21ARUNFA Date Created: 10/06/79
Location: UNNAMED TRIB APPR 1 MI ABV CONF WITH ADDS CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ADDS06
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 19.010 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048400.00 RF3 Mile Point: 0.44 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM UNNAMED TRIBUTARY APPROXIMATELY 1 MILE ABOVE CONFLUENCE WITH ADDS CREEK

Parameter Inventory for Station: BUFF0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	07/15/75-07/15/75	1	65500.	65500.	65500.	65500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	07/15/75-07/15/75	1	902.	902.	902.	902.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	07/15/75-07/15/75	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	07/15/75-07/15/75	1	295.	295.	295.	295.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	07/15/75-07/15/75	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/15/75-07/15/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/15/75-07/15/75	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/15/75-07/15/75	1	4327.	4327.	4327.	4327.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/15/75-07/15/75	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/15/75-07/15/75	1	65.	65.	65.	65.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/15/75-07/15/75	1	36200.	36200.	36200.	36200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0211

NPS Station ID: BUFF0211 LAT/LON: 35.998059/ -93.387505 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R APPR 800 FT DNST FROM WHITELEY CR CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF14
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 23.030 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005048600.00 RF3 Mile Point: 1.06 Distance from RF3: 0.01 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 800 FEET DOWNSTREAM FROM WHITELEY CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0211

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	475.	475.	475.	475.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	487.	487.	487.	487.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1550.	1550.	1550.	1550.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	58.	58.	58.	58.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	23000.	23000.	23000.	23000.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: BUFF0212

NPS Station ID: BUFF0212 LAT/LON: 35.997226/ -93.389448 Agency: 21ARUNFA Date Created: 10/06/79
Location: WHITELEY CR 500 FT UPST FROM BUFFALO CREEK CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF12
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 23.280 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005000800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM WHITELEY CREEK 500 FEET UPST FROM BUFFALO CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0212

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	710.	710.	710.	710.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	550.	550.	550.	550.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1125.	1125.	1125.	1125.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	62.	62.	62.	62.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	22100.	22100.	22100.	22100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0213

NPS Station ID: BUFF0213 LAT/LON: 35.974727/ -93.396392 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R AT MTH OF UNMD STR BELOW ARRINGTON CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF09
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 24.900 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005049200.00 RF3 Mile Point: 0.30 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER AT MOUTH OF UNNAMED STREAM 1000 FT DNST FROM ARRINGTON CR

Parameter Inventory for Station: BUFF0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	1150.	1150.	1150.	1150.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	550.	550.	550.	550.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1175.	1175.	1175.	1175.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	65.	65.	65.	65.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	24800.	24800.	24800.	24800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0214

NPS Station ID: BUFF0214 LAT/LON: 35.971392/ -93.396671 Agency: 21ARUNFA Date Created: 10/06/79
Location: BEECH RIVER ABOUT 800 FT UPST FROM ARRINGTON CR FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF07
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005013 RF1 Mile Point: 0.300 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001225.28 RF3 Mile Point: 25.27 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BEECH RIVER ABOUT 800 FEET UPSTREAM FROM ARRINGTON CREEK

Parameter Inventory for Station: BUFF0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	465.	465.	465.	465.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	512.	512.	512.	512.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	950.	950.	950.	950.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	63.	63.	63.	63.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	22100.	22100.	22100.	22100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0215

NPS Station ID: BUFF0215 LAT/LON: 35.946670/ -93.397227 Agency: 21ARUNFA Date Created: 10/06/79
Location: SMITH CR 1000 FT UPST FROM BUFFALO RIVER CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF03
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 11010005005900.00 RF3 Mile Point: 0.03 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM SMITH CREEK 1000 FEET UPSTREAM FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	3500.	3500.	3500.	3500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	787.	787.	787.	787.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1147.	1147.	1147.	1147.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	73.	73.	73.	73.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	24800.	24800.	24800.	24800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0216

NPS Station ID: BUFF0216 LAT/LON: 35.979170/ -93.398337 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO RIVER 200 FT DNST FROM MOORE CREEK FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF10
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 24.800 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001225.09 RF3 Mile Point: 25.09 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM
BUFFALO RIVER 200 FEET DOWNSTREAM FROM MOORE CREEK

Parameter Inventory for Station: BUFF0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	7500.	7500.	7500.	7500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	600.	600.	600.	600.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	850.	850.	850.	850.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	65.	65.	65.	65.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	21200.	21200.	21200.	21200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0217

NPS Station ID: BUFF0217 LAT/LON: 35.949449/ -93.399170 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R ABOUT 200 FT DNST FROM SMITH CR CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF02
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005014 RF1 Mile Point: 1.400 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005005900.00 RF3 Mile Point: 0.03 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER ABOUT 200 FT DOWNSTREAM FROM CONFLUENCE WITH SMITH CREEK

Parameter Inventory for Station: BUFF0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	465.	465.	465.	465.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	637.	637.	637.	637.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	63.	63.	63.	63.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	26100.	26100.	26100.	26100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0218

NPS Station ID: BUFF0218
LAT/LON: 35.944448/ -93.399449
Agency: 1116APCC
Date Created: 02/03/90
Location: LUALLEN SPRING
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 05NPS031 /BUFS02 /4J00019
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 351
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38M
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 2.80
On/Off RF1:
RF3 Index: 11010005002300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:
POINT LOCATION: AT THE LUALLEN FARM SITE SOUTH END OF BOXLEY VALLEY 300 FEET WEST OF HIGHWAY 21

Parameter Inventory for Station: BUFF0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/85-11/04/96	83	13.4	13.408	22.5	10.	2.578	1.606	11.68	12.6	14.	15.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-02/25/91	4	19.5	16.75	24.	4.	76.917	8.77	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-11/27/95	20	0.08	0.143	0.7	0.01	0.027	0.165	0.02	0.03	0.2	0.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	8	0.06	0.109	0.3	0.01	0.012	0.111	**	**	**	**
00065	STAGE, STREAM (FEET)	12/06/93-10/17/94	3	0.1	0.099	0.19	0.008	0.008	0.091	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/05/85-11/04/96	47	1.5	4.202	26.	0.3	35.156	5.929	0.58	0.9	4.8	12.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/85-11/04/96	82	252.	236.768	322.	90.	1956.18	44.229	178.6	209.	269.	276.
00300	OXYGEN, DISSOLVED MG/L	07/09/85-11/04/96	54	9.3	9.209	16.1	5.8	2.168	1.473	7.75	8.55	9.8	10.2
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	63	7.4	7.419	8.35	6.87	0.071	0.266	7.108	7.24	7.57	7.768
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	63	7.4	7.349	8.35	6.87	0.076	0.276	7.108	7.24	7.57	7.768
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	63	0.04	0.045	0.135	0.004	0.001	0.024	0.017	0.027	0.058	0.078
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/93-12/06/93	3	130.	129.333	143.	115.	196.333	14.012	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/89-05/13/96	49 ##	0.025	0.042	0.31	0.	0.002	0.05	0.01	0.025	0.05	0.09
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/07/89-01/13/92	12	0.21	0.204	0.54	0.1	0.015	0.124	0.1	0.1	0.238	0.462
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/07/89-05/13/96	49	0.22	0.274	0.53	0.11	0.018	0.135	0.12	0.14	0.4	0.44
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/89-09/28/92	21	0.03	0.032	0.1	0.001	0.	0.022	0.014	0.015	0.04	0.058
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	6	127.	128.	143.	115.	92.8	9.633	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-05/13/96	46	2.	2.283	5.	0.	0.563	0.75	2.	2.	2.25	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-05/13/96	48	11.	12.458	38.	2.	61.232	7.825	3.9	6.25	18.25	21.2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/13/91-05/13/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/24/85-08/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	08/24/85-08/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	86	4.	54.43	1163.	0.	31304.695	176.931	0.	0.	16.	109.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	86	0.602	0.754	3.066	0.	0.639	0.8	0.	0.	1.204	2.039
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.671								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/24/85-08/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/24/85-08/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-05/13/96	49 ##	0.015	0.022	0.136	0.	0.	0.021	0.015	0.015	0.015	0.041
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	12	2.8	3.675	18.5	0.7	23.926	4.891	0.7	0.8	4.075	14.3

** - 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: BUFF0218

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	47	0	0.00	23	0	0.00	13	0	0.00	11	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	54	0	0.00	27	0	0.00	18	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	63	0	0.00	30	0	0.00	18	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	63	0	0.00	30	0	0.00	18	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	49	0	0.00	25	0	0.00	15	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	46	0	0.00	22	0	0.00	15	0	0.00	9	0	0.00			
		Drinking Water	250.	46	0	0.00	22	0	0.00	15	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	48	0	0.00	23	0	0.00	16	0	0.00	9	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
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.	86	7	0.08	44	3	0.07	18	1	0.06	24	3	0.13			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/85-11/04/96	44	13.5	13.384	16.	10.	1.055	1.027	12.15	13.	14.	14.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/05/85-11/04/96	23	1.1	3.257	26.	0.3	30.727	5.543	0.5	0.7	4.	8.52
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/85-11/04/96	44	265.5	250.318	322.	123.	1522.827	39.023	193.5	235.25	273.5	283.
00300	OXYGEN, DISSOLVED MG/L	07/09/85-11/04/96	27	9.3	9.252	12.5	6.7	1.481	1.217	7.52	8.8	9.8	10.56
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	30	7.275	7.298	7.73	6.87	0.037	0.192	7.055	7.168	7.445	7.567
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	30	7.275	7.258	7.73	6.87	0.039	0.196	7.055	7.167	7.445	7.567
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	30	0.053	0.055	0.135	0.019	0.001	0.024	0.027	0.036	0.068	0.088
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/89-05/13/96	24 ##	0.025	0.05	0.31	0.	0.004	0.062	0.015	0.025	0.064	0.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/07/89-05/13/96	25	0.39	0.334	0.53	0.11	0.019	0.137	0.116	0.145	0.43	0.452
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-05/13/96	22	2.	2.5	5.	2.	0.738	0.859	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-05/13/96	23	9.	10.696	38.	2.	63.04	7.94	3.	6.	12.	20.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	44	6.	57.318	1163.	0.	35994.641	189.723	0.	1.25	20.	112.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	44	0.778	0.872	3.066	0.	0.613	0.783	0.	0.075	1.301	2.05
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.448								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-05/13/96	23 ##	0.015	0.023	0.136	0.015	0.001	0.026	0.015	0.015	0.015	0.04

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/85-11/04/96	18	11.85	12.317	15.5	10.4	2.124	1.457	10.58	11.5	13.125	15.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/05/85-11/04/96	13	3.4	3.554	12.	0.6	9.713	3.117	0.72	1.15	4.8	9.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/85-11/04/96	17	209.	206.118	287.	90.	2838.61	53.279	102.8	185.	249.	280.6
00300	OXYGEN, DISSOLVED MG/L	07/09/85-11/04/96	18	9.1	9.372	16.1	7.8	3.34	1.828	8.07	8.1	9.8	10.79
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	18	7.56	7.551	8.35	7.02	0.08	0.282	7.128	7.4	7.68	7.846
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	18	7.56	7.474	8.35	7.02	0.086	0.293	7.128	7.4	7.68	7.846
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	18	0.028	0.034	0.095	0.004	0.	0.021	0.015	0.021	0.04	0.075
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/89-05/13/96	16 ##	0.025	0.034	0.172	0.	0.002	0.039	0.	0.025	0.025	0.087
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/07/89-05/13/96	15	0.17	0.193	0.38	0.11	0.007	0.085	0.116	0.13	0.21	0.38
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-05/13/96	15	2.	2.267	3.	2.	0.21	0.458	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-05/13/96	16	15.5	15.875	30.	3.	68.25	8.261	3.7	8.5	20.75	30.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	18	0.5	14.444	240.	0.	3170.967	56.311	0.	0.	2.5	27.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	18	0.	0.283	2.38	0.	0.329	0.573	0.	0.	0.376	0.78
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.918								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-05/13/96	17 ##	0.015	0.014	0.022	0.	0.	0.005	0.	0.015	0.015	0.016

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/85-11/04/96	21	14.	14.395	22.5	12.3	4.401	2.098	12.64	13.3	15.	15.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/05/85-11/04/96	11	2.	6.945	22.	0.5	71.581	8.461	0.64	1.4	15.	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/85-11/04/96	21	246.	233.19	276.	166.	1161.662	34.083	178.8	204.	258.5	274.6
00300	OXYGEN, DISSOLVED MG/L	07/09/85-11/04/96	9	9.3	8.756	10.	5.8	2.158	1.469	5.8	7.55	9.85	10.
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	15	7.42	7.504	8.08	7.06	0.08	0.283	7.204	7.31	7.78	8.002
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	15	7.42	7.43	8.08	7.06	0.086	0.293	7.204	7.31	7.78	8.002
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	15	0.038	0.037	0.087	0.008	0.	0.02	0.01	0.017	0.049	0.065
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/89-05/13/96	9 ##	0.025	0.033	0.09	0.	0.001	0.026	0.	0.025	0.043	0.09
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/07/89-05/13/96	9	0.17	0.243	0.44	0.12	0.016	0.125	0.12	0.135	0.37	0.44
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-05/13/96	9	2.	1.778	2.	0.	0.444	0.667	0.	2.	2.	2.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-05/13/96	9	10.	10.889	21.	4.	23.361	4.833	4.	7.5	13.	21.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	24	5.5	79.125	780.	0.	44149.592	210.118	0.	1.25	27.	471.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/01/85-11/04/96	24	0.739	0.89	2.892	0.	0.755	0.869	0.	0.075	1.422	2.612

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0218

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 =			7.757								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-05/13/96	9	0.032	0.035	0.064	0.015	0.	0.018	0.015	0.015	0.05	0.064

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

Station Inventory for Station: BUFF0219

NPS Station ID: BUFF0219
LAT/LON: 35.949170/ -93.399726
Agency: 21ARUNFA
Date Created: 10/06/79
Location: BUFFALO RIVER - ABOUT 200 FT UPST FROM SMITH CR
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF01
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005014
RF1 Mile Point: 1.400
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005048400.00
RF3 Mile Point: 0.58
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER ABOUT 200 FT UPSTREAM FROM CONFLUENCE WITH SMITH CREEK

Parameter Inventory for Station: BUFF0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	575.	575.	575.	575.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	22200.	22200.	22200.	22200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0220

NPS Station ID: BUFF0220 LAT/LON: 35.966670/ -93.399726 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R APPR 2.5 MI UPST FROM BOXLEY, ARKANSAS FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF29
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 25.550 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001218.65 RF3 Mile Point: 19.18 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER APPR 2.5 MILES UPSTREAM FROM BOXLEY, ARKANSAS

Parameter Inventory for Station: BUFF0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/74-12/10/75	8	5.35	6.175	11.5	3.1	7.294	2.701	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	05/22/73-12/10/75	12	595.	616.5	1800.	126.	198576.455	445.619	151.8	265.	682.75	1551.
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	05/22/73-12/10/75	12	581.5	552.75	750.	337.	13764.932	117.324	366.7	450.25	624.5	727.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/74-12/10/75	8	0.9	0.787	1.1	0.3	0.087	0.295	**	**	**	**
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	05/21/74-12/10/75	7	0.009	0.022	0.1	0.004	0.001	0.035	**	**	**	**
00928	SODIUM, SUSPENDED (MG/L AS NA)	05/21/74-12/10/75	7	0.06	0.052	0.11	0.003	0.001	0.038	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/74-12/10/75	8	1.03	1.109	1.68	0.86	0.069	0.262	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	05/22/73-12/10/75	12	14.5	25.667	136.	2.	1332.242	36.5	2.6	6.	28.25	107.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/74-12/10/75	8	0.655	0.724	1.13	0.53	0.035	0.187	**	**	**	**
00936	POTASSIUM, SUSPENDED (MG/L AS K)	05/21/74-12/10/75	7	0.03	0.029	0.06	0.001	0.001	0.025	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	05/22/73-12/10/75	12	201.	221.333	302.	169.	2210.606	47.017	172.9	184.5	261.75	301.1
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/12/74-12/10/75	8	0.75	0.975	2.	0.3	0.462	0.68	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	05/21/74-12/20/74	3	0.4	0.333	0.4	0.2	0.013	0.115	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	11	0.9	0.836	1.7	0.1	0.269	0.518	0.1	0.3	1.3	1.62
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	12	17.5	18.667	35.	7.	54.606	7.39	8.5	14.25	23.75	32.3
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/74-12/10/75	7	2.	1.357	2.	0.5	0.643	0.802	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	05/21/74-12/20/74	3	0.6	0.7	1.	0.5	0.07	0.265	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/20/74-12/10/75	7	2.	2.714	9.	0.5	9.155	3.026	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	05/21/74-12/20/74	3	1.	1.1	2.	0.3	0.73	0.854	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	05/22/73-12/10/75	12	12.5	12.667	18.	7.	12.242	3.499	7.6	9.5	15.	18.
01040	COPPER, DISSOLVED (UG/L AS CU)	03/12/74-12/10/75	8	1.5	2.538	8.	0.3	6.368	2.524	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	05/21/74-12/20/74	2	6.25	6.25	12.	0.5	66.125	8.132	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/73-12/10/75	12	7.15	7.358	13.	4.	6.359	2.522	4.3	5.25	8.75	12.1
01044	IRON, SUSPENDED (UG/L AS FE)	05/21/74-12/10/75	7	242.	239.286	525.	96.	22788.571	150.959	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/12/74-12/10/75	8	16.	16.5	41.	0.5	181.643	13.477	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/12/74-12/10/75	8	2.75	4.163	10.	0.8	9.111	3.018	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	05/21/74-12/20/74	3	3.	2.333	3.	1.	1.333	1.155	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/73-12/10/75	12	14.35	14.075	23.	0.2	45.088	6.715	2.39	9.5	20.75	22.85
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/73-12/10/75	12	913.5	907.25	1355.	508.	59114.205	243.134	560.2	701.	1115.25	1298.9
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/21/74-12/10/75	7	5.	4.829	8.	2.9	3.029	1.74	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/12/74-12/10/75	8	3.45	3.688	7.	1.	4.556	2.134	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/20/74-12/10/75	7	1.	2.357	8.	0.5	7.81	2.795	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	05/21/74-12/20/74	3	3.	2.667	4.	1.	2.333	1.528	**	**	**	**

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

Parameter Inventory for Station: BUFF0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/73-12/10/75	12	18.5	19.75	29.	15.	20.568	4.535	15.3	16.	22.5	28.4
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/24/74-03/06/75	2	8.5	8.5	10.	7.	4.5	2.121	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	12/20/74-03/06/75	2	0.55	0.55	0.7	0.4	0.045	0.212	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/12/74-12/10/75	8	5.	6.	12.	3.	10.857	3.295	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	05/21/74-12/10/75	7	20.	41.714	190.	1.	4480.571	66.937	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/73-12/10/75	12	59.5	61.583	90.	36.	298.083	17.265	36.3	50.	73.75	89.4
01130	LITHIUM, DISSOLVED (UG/L AS LI)	12/24/74-03/06/75	2	2.	2.	2.	2.	0.	0.	**	**	**	**
01131	LITHIUM, SUSPENDED (UG/L AS LI)	12/20/74-03/06/75	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/22/73-12/10/75	12	2.45	9260.042	48400.	1.6	318348144.41	17842.313	1.69	1.925	15600.775	46450.
81357	CALCIUM SUSPENDED MG/L	05/21/74-12/10/75	7	0.03	0.034	0.08	0.009	0.001	0.027	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0220

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	5.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	1300.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	15.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	100.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	5000.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	7	1	0.14	3	1	0.33	1	0	0.00	3	0	0.00			
		Drinking Water	5000.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			

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

Station Inventory for Station: BUFF0221

NPS Station ID: BUFF0221 LAT/LON: 35.990837/ -93.400004 Agency: 21ARUNFA Date Created: 10/06/79
Location: WHITELEY CR APPR 1 MI UPST FROM BUFFALO R CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF13
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 23.280 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005048600.00 RF3 Mile Point: 0.10 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM WHITELEY CREEK APPR 1 MILE UPSTREAM FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	5000.	5000.	5000.	5000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	712.	712.	712.	712.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1025.	1025.	1025.	1025.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	22000.	22000.	22000.	22000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0222

NPS Station ID: BUFF0222 LAT/LON: 35.972226/ -93.401392 Agency: 21ARUNFA Date Created: 10/06/79
Location: ARRINGTON CR ABOUT 1500 FT FROM BUFFALO R CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF08
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 25.350 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001225.28 RF3 Mile Point: 25.27 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM ARRINGTON CREEK ABOUT 1500 FEET FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	725.	725.	725.	725.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	85.	85.	85.	85.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	29100.	29100.	29100.	29100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0223

NPS Station ID: BUFF0223
LAT/LON: 35.974448/ -93.401948
Agency: 21ARUNFA
Date Created: 10/06/79
Location: MOORE CR ABOUT 3000 FT UPST FROM BUFFALO RIVER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF11
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS
Elevation: 0
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region:
RF1 Index: 11010005012
RF1 Mile Point: 25.150
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 11010005000800.34
RF3 Mile Point: 0.34
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM MOORE CREEK ABOUT 3000 FEET UPSTREAM FROM BUFFALO RIVER CONFLUENCE

Parameter Inventory for Station: BUFF0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	745.	745.	745.	745.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	612.	612.	612.	612.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	1062.	1062.	1062.	1062.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	84.	84.	84.	84.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	26100.	26100.	26100.	26100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0224

NPS Station ID: BUFF0224 LAT/LON: 35.967227/ -93.402505 Agency: 21ARUNFA Date Created: 10/06/79
Location: BEECH RIVER 400 FT DNST FROM BEECH CREEK CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF06
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005013 RF1 Mile Point: 0.100 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 11010005001300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BEECH RIVER 400 FEET DOWNSTREAM FROM BEECH CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0224

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	587.	587.	587.	587.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	975.	975.	975.	975.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	56.	56.	56.	56.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	24200.	24200.	24200.	24200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0225

NPS Station ID: BUFF0225
LAT/LON: 35.945281/ -93.403338
Agency: 112WRD
Date Created: 11/20/93
Location: BUFFALO RIVER NEAR BOXLEY
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 07055646
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/93-08/22/96	33	15.8	16.47	28.5	4.7	52.447	7.242	6.56	10.	22.8	27.12
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/10/94-08/22/96	21	20.6	20.586	34.	5.	48.791	6.985	7.14	16.6	25.05	28.66
00025	BAROMETRIC PRESSURE (MM OF HG)	04/28/93-08/22/96	34	737.	738.353	765.	722.	79.326	8.907	729.	732.75	740.25	754.
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/28/93-08/22/96	33	33.	99.306	787.	0.1	34087.785	184.629	1.	4.	83.5	437.4
00065	STAGE, STREAM (FEET)	04/28/93-08/22/96	33	2.8	2.82	5.28	1.76	0.795	0.892	1.916	2.	3.235	4.394
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/93-08/22/96	34	69.5	93.176	183.	43.	1973.241	44.421	51.5	58.75	143.25	160.
00300	OXYGEN, DISSOLVED MG/L	04/28/93-08/22/96	34	8.95	9.009	12.6	5.2	3.606	1.899	6.15	7.75	10.5	11.55
00400	PH (STANDARD UNITS)	04/28/93-08/22/96	34	7.57	7.546	8.	6.94	0.08	0.283	7.065	7.37	7.765	7.92
00400	CONVERTED PH (STANDARD UNITS)	04/28/93-08/22/96	34	7.57	7.45	8.	6.94	0.09	0.3	7.065	7.37	7.765	7.92
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/93-08/22/96	34	0.027	0.035	0.115	0.01	0.001	0.027	0.012	0.017	0.043	0.086
00403	PH, LAB, STANDARD UNITS SU	04/28/93-08/22/96	34	7.5	7.488	8.1	6.5	0.085	0.291	7.2	7.375	7.6	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	04/28/93-08/22/96	34	7.5	7.364	8.1	6.5	0.101	0.317	7.2	7.375	7.6	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/93-08/22/96	34	0.032	0.043	0.316	0.008	0.003	0.053	0.016	0.025	0.042	0.063
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB MG/L	04/28/93-08/22/96	34	30.	42.676	89.	17.	537.801	23.191	21.5	24.	62.5	83.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	04/28/93-08/22/96	34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	04/28/93-08/22/96	34	35.	51.324	108.	19.	809.741	28.456	26.	29.	75.25	100.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/28/93-08/22/96	34	0.01	0.013	0.04	0.005	0.	0.008	0.005	0.008	0.02	0.02
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	04/28/93-08/22/96	34 ##	0.005	0.006	0.03	0.005	0.	0.004	0.005	0.005	0.005	0.01
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	04/28/93-08/22/96	34 ##	0.1	0.106	0.3	0.1	0.001	0.034	0.1	0.1	0.1	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/28/93-08/22/96	34 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/28/93-08/22/96	35 ##	0.025	0.032	0.1	0.025	0.	0.02	0.025	0.025	0.025	0.064
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/28/93-08/22/96	34 ##	0.005	0.011	0.04	0.005	0.	0.009	0.005	0.005	0.02	0.02
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/28/93-08/22/96	34 ##	0.005	0.008	0.03	0.005	0.	0.006	0.005	0.005	0.006	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/93-08/22/96	34 ##	0.005	0.007	0.04	0.005	0.	0.007	0.005	0.005	0.005	0.01
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/93-08/22/96	34	0.7	0.826	2.9	0.4	0.247	0.497	0.4	0.6	0.9	1.55
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	04/28/93-08/22/96	34	0.1	0.165	0.5	0.1	0.011	0.104	0.1	0.1	0.2	0.3
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/28/93-08/22/96	34	10.4	14.815	33.	5.9	68.27	8.263	7.4	8.375	23.	28.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/93-08/22/96	34	1.15	1.403	2.6	0.8	0.311	0.557	0.9	0.975	2.	2.25
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/93-08/22/96	34	1.	1.126	1.7	0.8	0.077	0.277	0.8	0.9	1.4	1.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/93-08/22/96	34	0.7	0.762	1.3	0.5	0.057	0.239	0.5	0.575	0.925	1.1
00940	CHLORIDE,TOTAL IN WATER MG/L	04/28/93-08/22/96	34	0.9	0.974	2.	0.7	0.077	0.277	0.8	0.8	1.	1.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/28/93-08/22/96	34	3.	3.118	5.	2.	0.531	0.729	2.	3.	3.	4.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/28/93-08/22/96	34 ##	0.05	0.065	0.2	0.05	0.001	0.031	0.05	0.05	0.063	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/28/93-08/22/96	34	5.95	5.815	6.6	4.5	0.329	0.574	4.95	5.3	6.3	6.45
01000	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/93-08/23/95	18 ##	0.5	0.5	1.	0.	0.029	0.171	0.45	0.5	0.5	0.55
01005	BARIUM, DISSOLVED (UG/L AS BA)	04/28/93-08/23/95	17	9.	11.471	24.	0.	47.515	6.893	4.8	7.	16.	23.2
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	04/28/93-08/23/95	17 ##	0.25	0.338	0.5	0.	0.023	0.152	0.2	0.25	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/93-08/23/95	17 ##	0.5	0.765	3.	0.	0.504	0.71	0.4	0.5	0.75	2.2

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

Parameter Inventory for Station: BUFF0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/28/93-08/23/95	17 ##	2.5	1.559	2.5	0.	1.09	1.044	0.4	0.5	2.5	2.5
01035	COBALT, DISSOLVED (UG/L AS CO)	04/28/93-08/23/95	17 ##	1.5	1.088	3.	0.	0.539	0.734	0.4	0.5	1.5	1.8
01040	COPPER, DISSOLVED (UG/L AS CU)	04/28/93-08/23/95	17 ##	5.	2.912	5.	0.	5.257	2.293	0.4	0.5	5.	5.
01046	IRON, DISSOLVED (UG/L AS FE)	04/28/93-08/22/96	34	24.5	23.971	69.	7.	203.545	14.267	9.	11.	30.25	42.
01049	LEAD, DISSOLVED (UG/L AS PB)	04/28/93-08/23/95	17 ##	5.	4.029	20.	0.	25.046	5.005	0.4	0.5	5.	12.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/93-08/22/96	35	4.	16.114	64.	0.	380.634	19.51	2.	3.	33.	46.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	04/28/93-08/23/95	17 ##	5.	2.853	5.	0.	5.524	2.35	0.4	0.5	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	04/28/93-08/23/95	17 ##	5.	2.971	5.	0.	5.077	2.253	0.4	0.5	5.	5.
01075	SILVER, DISSOLVED (UG/L AS AG)	04/28/93-08/23/95	17 ##	0.5	0.647	2.	0.	0.274	0.523	0.4	0.5	0.5	2.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	04/28/93-08/15/94	9	23.	28.111	52.	16.	151.611	12.313	16.	18.	36.5	52.
01085	VANADIUM, DISSOLVED (UG/L AS V)	04/28/93-08/15/94	9 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/28/93-08/23/95	17 ##	1.5	2.294	11.	0.	6.158	2.482	0.4	1.25	2.5	5.4
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	10/17/94-08/23/95	8 ##	0.5	0.438	0.5	0.	0.031	0.177	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/94-08/23/95	8	45.	73.5	262.	0.	8659.429	93.056	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	04/28/93-08/15/94	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/93-08/23/95	17 ##	0.5	0.471	0.5	0.	0.015	0.121	0.4	0.5	0.5	0.5
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	4 ##	0.008	0.007	0.008	0.004	0.	0.002	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	4 ##	0.004	0.003	0.004	0.001	0.	0.002	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	4 ##	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	4 ##	0.004	0.005	0.009	0.004	0.	0.003	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/09/94-06/07/95	4 ##	0.002	0.002	0.003	0.001	0.	0.001	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	4 ##	0.007	0.005	0.007	0.002	0.	0.002	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/09/94-06/07/95	4 ##	0.004	0.003	0.004	0.002	0.	0.001	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	10/17/94-08/23/95	8 ##	0.5	0.438	0.5	0.	0.031	0.177	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	04/28/93-08/22/96	35	10.	48.514	410.	0.5	7668.066	87.567	1.	3.	48.	158.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	04/28/93-08/22/96	35	1.	1.062	2.613	-0.301	0.632	0.795	0.	0.477	1.681	2.198
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			11.533								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/09/94-08/22/96	22	11.	50.273	540.	1.	13892.684	117.867	2.	3.	35.75	159.4
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/09/94-08/22/96	22	1.04	1.077	2.732	0.	0.506	0.711	0.301	0.477	1.522	2.178
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			11.931								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/28/93-08/22/96	35	41.	300.586	2700.	0.5	374935.772	612.32	3.6	12.	220.	1260.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/28/93-08/22/96	35	1.613	1.689	3.431	-0.301	0.83	0.911	0.552	1.079	2.342	3.095
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			48.879								
34253	A-BHC-ALPHA DISSUG/L	05/09/94-06/07/95	4 ##	0.004	0.003	0.004	0.001	0.	0.001	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/09/94-06/07/95	4 ##	0.005	0.005	0.005	0.003	0.	0.001	**	**	**	**
34790	SURFACTANTS, AS CTAS, WATER MG/L	11/04/93-11/04/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
34795	ANTIMONY, BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
34800	ARSENIC, BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	26.	26.	26.	26.	0.	0.	**	**	**	**
34805	BARIUM, BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	370.	370.	370.	370.	0.	0.	**	**	**	**
34810	BERYLLIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
34816	BISMUTH,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34825	CADMIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
34830	CALCIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34835	CERIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	97.	97.	97.	97.	0.	0.	**	**	**	**
34840	COBALT,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	160.	160.	160.	160.	0.	0.	**	**	**	**
34845	CHROMIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
34850	COPPER,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
34855	EUROPIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34860	GALLIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
34870	GOLD,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34875	HOLMIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
34880	IRON,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
34885	LANTHANUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	56.	56.	56.	56.	0.	0.	**	**	**	**
34890	LEAD,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	28.	28.	28.	28.	0.	0.	**	**	**	**
34895	LITHIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	90.	90.	90.	90.	0.	0.	**	**	**	**
34900	MAGNESIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34905	MANGANESE,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34910	MERCURY,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
34915	MOLYBDENUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34920	NEODYMIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	50.	50.	50.	50.	0.	0.	**	**	**	**
34925	NICKEL,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	68.	68.	68.	68.	0.	0.	**	**	**	**
34930	NIOBIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34935	PHOSPHORUS,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34940	POTASSIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34945	SCANDIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	16.	16.	16.	16.	0.	0.	**	**	**	**
34950	SELENIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
34955	SILVER,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34960	SODIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34965	STRONTIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	90.	90.	90.	90.	0.	0.	**	**	**	**
34970	SULFUR,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
34975	TANTALUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
34980	THORIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
34985	TIN,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
35000	URANIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
35005	VANADIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	160.	160.	160.	160.	0.	0.	**	**	**	**
35010	YTTRIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	34.	34.	34.	34.	0.	0.	**	**	**	**
35015	YTTERBIUM,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
35020	ZINC,BEDLOAD SED,WET SIEVE DIAM	11/04/93-11/04/93	1	160.	160.	160.	160.	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/09/94-06/07/95	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	04/28/93-08/22/96	34	29.	42.059	88.	16.	545.027	23.346	21.	23.75	61.25	82.5
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	05/09/94-06/07/95	4 ##	0.006	0.005	0.006	0.002	0.	0.002	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-06/07/95	4 ##	0.004	0.003	0.004	0.001	0.	0.002	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.001	0.	0.002	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-06/07/95	4 ##	0.007	0.006	0.007	0.003	0.	0.002	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-06/07/95	4 ##	0.011	0.009	0.011	0.002	0.	0.005	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-06/07/95	4 ##	0.004	0.003	0.004	0.001	0.	0.002	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	05/09/94-06/07/95	4 ##	0.01	0.008	0.01	0.001	0.	0.005	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.001	0.	0.002	**	**	**	**
49235	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49237	INVALID PARAMETER	11/04/93-11/04/93	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
49238	INVALID PARAMETER	11/04/93-11/04/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
49239	INVALID PARAMETER	11/04/93-11/04/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
49240	INVALID PARAMETER	11/04/93-11/04/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
49241	INVALID PARAMETER	11/04/93-11/04/93	1	47.6	47.6	47.6	47.6	0.	0.	**	**	**	**
49242	INVALID PARAMETER	11/04/93-11/04/93	1	413.	413.	413.	413.	0.	0.	**	**	**	**
49243	INVALID PARAMETER	11/04/93-11/04/93	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
49244	INVALID PARAMETER	11/04/93-11/04/93	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
49245	INVALID PARAMETER	11/04/93-11/04/93	1	93.6	93.6	93.6	93.6	0.	0.	**	**	**	**
49246	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49247	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49248	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49249	INVALID PARAMETER	11/04/93-11/04/93	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
49250	INVALID PARAMETER	11/04/93-11/04/93	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
49251	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49252	INVALID PARAMETER	11/04/93-11/04/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
49253	INVALID PARAMETER	11/04/93-11/04/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
49254	INVALID PARAMETER	11/04/93-11/04/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
49255	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49257	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49258	INVALID PARAMETER	11/04/93-11/04/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49260	INVALID PARAMETER	04/11/95-06/07/95	3 ##	0.005	0.003	0.005	0.001	0.	0.002	**	**	**	**

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

Parameter Inventory for Station: BUFF0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49261	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
49264	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
49266	INVALID PARAMETER	11/04/93-11/04/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
49267	INVALID PARAMETER	11/04/93-11/04/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
49269	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49270	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
49271	INVALID PARAMETER	11/04/93-11/04/93	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
49272	INVALID PARAMETER	11/04/93-11/04/93	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
49273	INVALID PARAMETER	11/04/93-11/04/93	1	78.1	78.1	78.1	78.1	0.	0.	**	**	**	**
49274	INVALID PARAMETER	11/04/93-11/04/93	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
49275	INVALID PARAMETER	11/04/93-11/04/93	1	73.	73.	73.	73.	0.	0.	**	**	**	**
49276	INVALID PARAMETER	11/04/93-11/04/93	1	78.	78.	78.	78.	0.	0.	**	**	**	**
49277	INVALID PARAMETER	11/04/93-11/04/93	1	68.	68.	68.	68.	0.	0.	**	**	**	**
49278	INVALID PARAMETER	11/04/93-11/04/93	1	86.	86.	86.	86.	0.	0.	**	**	**	**
49279	INVALID PARAMETER	11/04/93-11/04/93	1	74.	74.	74.	74.	0.	0.	**	**	**	**
49280	INVALID PARAMETER	11/04/93-11/04/93	1	46.	46.	46.	46.	0.	0.	**	**	**	**
49289	INVALID PARAMETER	11/04/93-11/04/93	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
49291	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49293	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49294	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49295	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49296	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49297	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49298	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49299	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49300	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49301	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49302	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49303	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49304	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49305	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49307	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49308	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49309	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49310	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49311	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49312	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49313	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49314	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49315	INVALID PARAMETER	05/09/94-05/09/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49316	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49317	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49318	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49319	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49320	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49321	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49322	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49324	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49325	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49326	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49327	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49328	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49329	INVALID PARAMETER	11/04/93-11/04/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49330	INVALID PARAMETER	11/04/93-11/04/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49331	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49332	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49335	INVALID PARAMETER	11/04/93-11/04/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49338	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49339	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49341	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49342	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49343	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49344	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49345	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49346	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49347	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49348	INVALID PARAMETER	11/04/93-11/04/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49349	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49350	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49351	INVALID PARAMETER	11/04/93-11/04/93	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
49353	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49354	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49355	INVALID PARAMETER	11/04/93-11/04/93	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
49356	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49357	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49358	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49359	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49360	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49361	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49362	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49363	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49364	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49365	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49366	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49367	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49368	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49369	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49370	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49371	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49372	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49373	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49374	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49375	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49376	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49377	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49378	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49379	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49380	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49381	INVALID PARAMETER	11/04/93-11/04/93	1	48.	48.	48.	48.	0.	0.	**	**	**	**
49382	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49383	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49384	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49387	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49388	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49389	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49390	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49391	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49392	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49393	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49394	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49395	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49396	INVALID PARAMETER	11/04/93-11/04/93	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
49397	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49398	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49399	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49400	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49401	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49402	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49403	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49404	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49405	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49406	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49407	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49408	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49409	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49410	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49411	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49413	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49421	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49422	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49424	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49426	INVALID PARAMETER	11/04/93-11/04/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
49427	INVALID PARAMETER	11/04/93-11/04/93	1	12.	12.	12.	12.	0.	0.	**	**	**	**
49428	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49429	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49430	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49431	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49433	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49434	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49435	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49436	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49437	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49438	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49439	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49441	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49442	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49443	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49444	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49446	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49449	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49450	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49451	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49452	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49454	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49455	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49458	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49459	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49460	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49461	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49465	INVALID PARAMETER	11/04/93-11/04/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
49466	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49467	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49468	INVALID PARAMETER	11/04/93-11/04/93	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49490	INVALID PARAMETER	11/04/93-11/04/93	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/28/93-08/22/96	34	43.5	55.853	104.	27.	583.16	24.149	32.5	36.75	79.5	95.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/28/93-08/22/96	33	66.	62.545	97.	10.	677.568	26.03	18.8	40.5	84.5	93.8
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	04/28/93-08/22/96	34	13.	18.353	93.	1.	385.569	19.636	3.	5.	26.	49.
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	04/28/93-04/28/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.002	0.	0.002	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/09/94-06/07/95	4 ##	0.003	0.003	0.003	0.002	0.	0.001	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.001	0.	0.002	**	**	**	**
82662	DIMETHOATE, 0.7 UM FILT,TOT RECV, WATER UG/L	05/09/94-05/09/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.002	0.	0.002	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.001	0.	0.002	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.015	0.012	0.015	0.004	0.	0.006	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.02	0.015	0.02	0.001	0.	0.01	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/09/94-06/07/95	4 ##	0.02	0.016	0.02	0.003	0.	0.009	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.003	0.002	0.003	0.001	0.	0.001	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.002	0.	0.001	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.004	0.003	0.004	0.002	0.	0.001	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.002	0.	0.002	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.001	0.	0.002	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.002	0.	0.002	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.002	0.	0.002	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.03	0.025	0.03	0.01	0.	0.01	**	**	**	**

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

Parameter Inventory for Station: BUFF0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.004	0.003	0.004	0.001	0.	0.002	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.01	0.008	0.01	0.002	0.	0.004	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.025	0.019	0.025	0.002	0.	0.012	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.004	0.003	0.004	0.001	0.	0.002	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.01	0.008	0.01	0.002	0.	0.004	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.005	0.004	0.005	0.002	0.	0.002	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.004	0.004	0.005	0.003	0.	0.001	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.02	0.016	0.025	0.001	0.	0.011	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/09/94-06/07/95	4 ##	0.01	0.008	0.01	0.003	0.	0.004	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0225

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	34	0	0.00	14	0	0.00	12	0	0.00	8	0	0.00			
00400	PH	Other-Hi Lim.	9.	34	0	0.00	14	0	0.00	12	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	34	0	0.00	14	0	0.00	12	0	0.00	8	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	34	0	0.00	14	0	0.00	12	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	34	1	0.03	14	0	0.00	12	1	0.08	8	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	34	0	0.00	15	0	0.00	11	0	0.00	8	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	35	0	0.00	15	0	0.00	12	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	34	0	0.00	14	0	0.00	12	0	0.00	8	0	0.00			
		Drinking Water	250.	34	0	0.00	14	0	0.00	12	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	34	0	0.00	14	0	0.00	12	0	0.00	8	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	34	0	0.00	14	0	0.00	12	0	0.00	8	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	18	0	0.00	9	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	50.	18	0	0.00	9	0	0.00	6	0	0.00	3	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	4.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	5.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	1300.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	15.	17	1	0.06	9	0	0.00	5	0	0.00	3	1	0.33			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	100.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	100.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	5000.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	8	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	6.	8	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	50.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	4	0	0.00				2	0	0.00	2	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	8	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	35	2	0.06	15	1	0.07	12	1	0.08	8	0	0.00			
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	4	0	0.00				2	0	0.00	2	0	0.00			
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00				1	0	0.00						
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	4	0	0.00				2	0	0.00	2	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	0.2	4	0	0.00				2	0	0.00	2	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	4	0	0.00				2	0	0.00	2	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	4	0	0.00				2	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: BUFF0225

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	4	0	0.00				2	0	0.00	2	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.	4	0	0.00				2	0	0.00	2	0	0.00			

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

Station Inventory for Station: BUFF0226

NPS Station ID: BUFF0226
LAT/LON: 35.945281/ -93.403338
Agency: 11TRAIN
Date Created: 02/22/97
Location: BUFFALO RIVER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 07055646
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: BUFF0226

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: BUFF0227

NPS Station ID: BUFF0227 LAT/LON: 35.967504/ -93.403892 Agency: 21ARUNFA Date Created: 10/06/79
Location: MOUTH OF BEECH CR - 200 FT UPST FROM BUFFALO R FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF05
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 25.700 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 11010005001400.00 RF3 Mile Point: 0.01 Distance from RF3: 0.00 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM MOUTH OF BEECH CREEK - 200 FEET UPSTREAM FROM BUFFALO RIVER

Parameter Inventory for Station: BUFF0227

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	470.	470.	470.	470.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	575.	575.	575.	575.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	216.	216.	216.	216.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	22000.	22000.	22000.	22000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0228

NPS Station ID: BUFF0228 LAT/LON: 35.966115/ -93.404170 Agency: 21ARUNFA Date Created: 10/06/79
Location: BUFFALO R ABOUT 500 FT UPST FROM BEECH CR CONF FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BUFF04
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: SOUTH CENTRAL LOWER MISS Elevation: 0 Water Body Id:
Minor Basin: WHITE RIVER ECO Region:
RF1 Index: 11010005012 RF1 Mile Point: 25.700 Distance from RF1: 4.30 On/Off RF1: ON
RF3 Index: 11010005005900.00 RF3 Mile Point: 0.18 Distance from RF3: 0.02 On/Off RF3:
Description:
DATA FROM UNIVERSITY OF ARKANSAS - FAYETTEVILLE SAMPLES ANALYZED FOR TOXICS; SAMPLE TAKEN FROM BUFFALO RIVER ABOUT 500 FEET UPSTREAM FROM BEECH CREEK CONFLUENCE

Parameter Inventory for Station: BUFF0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	01/18/75-01/18/75	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	01/18/75-01/18/75	1	425.	425.	425.	425.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	01/18/75-01/18/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	01/18/75-01/18/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	01/18/75-01/18/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	01/18/75-01/18/75	1	812.	812.	812.	812.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	01/18/75-01/18/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	01/18/75-01/18/75	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	01/18/75-01/18/75	1	18000.	18000.	18000.	18000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: BUFF0229

NPS Station ID: BUFF0229
LAT/LON: 35.966670/ -93.405560
Agency: 1116APCC
Date Created: 02/03/90
Location: BEECH CREEK - TRIBUTARY OF BUFFALO RIVER
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05NPS010 /BUFT01 /4J00022
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 335
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38M
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 3.60
On/Off RF1:
RF3 Index: 11010005001102.98
RF3 Mile Point: 3.67
Distance from RF3: 0.03
On/Off RF3:
Description:
POINT LOCATION: JUST UPSTREAM FROM THE HIGHWAY 21 BRIDGE

Parameter Inventory for Station: BUFF0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/85-11/04/96	51	14.2	14.084	29.6	4.	49.654	7.047	4.46	8.	20.	23.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/90-02/25/91	4	20.	17.	24.	4.	79.333	8.907	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/13/92-05/15/95	13	31.	28.154	78.	2.	432.474	20.796	3.2	12.5	38.5	66.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	8	28.5	26.	48.	2.	347.714	18.647	**	**	**	**
00065	STAGE, STREAM (FEET)	04/23/85-12/06/93	14	1.47	4.457	45.52	-0.5	141.642	11.901	0.2	0.875	3.418	22.51
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/25/88-11/04/96	29	5.6	5.462	15.	0.4	13.601	3.688	1.1	2.15	7.6	10.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/85-11/04/96	47	80.	96.426	211.	42.	2333.598	48.307	51.6	65.	111.	196.
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	41	10.1	10.444	18.	7.7	3.12	1.766	8.72	9.1	11.4	12.36
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	42	8.015	8.034	8.76	7.36	0.087	0.295	7.646	7.853	8.272	8.399
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	42	8.015	7.936	8.76	7.36	0.097	0.311	7.646	7.852	8.272	8.399
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	42	0.01	0.012	0.044	0.002	0.	0.009	0.004	0.005	0.014	0.023
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/93-12/06/93	3	70.	60.667	71.	41.	290.333	17.039	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/89-11/04/96	33	0.025	0.052	0.284	0.	0.003	0.054	0.	0.025	0.07	0.11
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/89-01/13/92	9	0.35	0.308	0.6	0.1	0.026	0.16	0.1	0.16	0.39	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/05/89-11/04/96	32	0.03	0.073	1.12	0.005	0.038	0.196	0.01	0.01	0.06	0.138
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/05/89-06/08/92	11	0.015	0.026	0.06	0.002	0.	0.018	0.003	0.015	0.04	0.056
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-04/05/94	5	42.	53.	71.	41.	255.5	15.984	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	04/23/90-04/23/90	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	11/30/92-11/30/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/90-11/04/96	28	2.	2.	3.	1.	0.296	0.544	1.	2.	2.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/90-11/04/96	31	6.	5.484	10.	2.	3.991	1.998	3.	4.	6.	8.8
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-11/30/92	3	110.	95.	175.	0.	7825.	88.459	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/15/85-11/30/92	3	2.041	1.428	2.243	0.	1.54	1.241	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26.801								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	47	12.	50.362	1148.	0.	29836.149	172.731	1.	4.	22.	78.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	47	1.079	1.042	3.06	0.	0.44	0.663	0.	0.602	1.342	1.884
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.014								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/30/92-11/30/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/30/92-11/30/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/26/90-11/04/96	32 ##	0.015	0.016	0.062	0.	0.	0.011	0.005	0.015	0.015	0.015
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-05/15/95	6	6.95	7.8	15.1	4.3	14.032	3.746	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0229

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	29	0	0.00	9	0	0.00	12	0	0.00	8	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	41	0	0.00	9	0	0.00	21	0	0.00	11	0	0.00			
00400	PH	Other-Hi Lim.	9.	42	0	0.00	13	0	0.00	18	0	0.00	11	0	0.00			
		Other-Lo Lim.	6.5	42	0	0.00	13	0	0.00	18	0	0.00	11	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	32	0	0.00	8	0	0.00	15	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	28	0	0.00	8	0	0.00	14	0	0.00	6	0	0.00			
		Drinking Water	250.	28	0	0.00	8	0	0.00	14	0	0.00	6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	31	0	0.00	8	0	0.00	16	0	0.00	7	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
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			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	0	0.00	2	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	47	2	0.04	15	1	0.07	18	0	0.00	14	1	0.07			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	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

Seasonal Analysis for Season #1: 7/15 to 1/09 - Station BUFF0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/85-11/04/96	15	17.3	16.667	29.6	6.5	63.507	7.969	6.5	8.8	24.	28.04
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/25/88-11/04/96	9	7.6	6.433	13.	0.4	20.445	4.522	0.4	1.3	9.95	13.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/85-11/04/96	15	86.	122.933	211.	42.	4347.781	65.938	48.	70.	200.	209.8
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	9	10.1	10.333	13.	8.3	2.398	1.548	8.3	9.2	11.45	13.
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	13	7.94	8.036	8.58	7.8	0.063	0.25	7.812	7.845	8.215	8.516
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	13	7.94	7.982	8.58	7.8	0.066	0.257	7.812	7.845	8.215	8.516
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	13	0.011	0.01	0.016	0.003	0.	0.004	0.003	0.006	0.014	0.015
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	15	22.	104.467	1148.	0.	84614.41	290.886	0.	8.	38.	544.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	15	1.342	1.298	3.06	0.	0.596	0.772	0.	0.903	1.58	2.515
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.873								

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/85-11/04/96	21	8.1	8.605	15.8	4.	14.177	3.765	4.	4.85	10.95	14.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/25/88-11/04/96	12	5.	4.85	8.3	1.	6.483	2.546	1.15	2.675	7.075	8.09
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/85-11/04/96	18	66.	67.889	105.	45.	242.575	15.575	48.6	56.5	80.5	90.6
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	21	11.4	11.205	18.	9.	3.443	1.856	9.1	9.9	11.65	12.36
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	18	8.07	7.994	8.76	7.36	0.124	0.352	7.387	7.683	8.172	8.391
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	18	8.07	7.86	8.76	7.36	0.143	0.378	7.387	7.682	8.172	8.391
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	18	0.009	0.014	0.044	0.002	0.	0.012	0.004	0.007	0.021	0.041
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	18	4.5	7.667	40.	0.	85.176	9.229	0.9	2.	12.	16.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	18	0.651	0.667	1.602	0.	0.206	0.454	0.	0.301	1.079	1.192
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.642								

** - Less than 9 observations ## - Computed with 50% or more 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: 5/10 to 7/14 - Station BUFF0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/85-11/04/96	15	19.9	19.173	27.	14.2	13.644	3.694	14.68	15.2	22.	24.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/25/88-11/04/96	8	4.85	5.288	15.	1.3	18.961	4.354	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/85-11/04/96	14	99.	104.714	193.	56.	1245.604	35.293	63.	75.	126.5	163.
00300	OXYGEN, DISSOLVED MG/L	04/23/85-11/04/96	11	9.1	9.082	10.1	7.7	0.408	0.638	7.84	8.8	9.6	10.
00400	PH (STANDARD UNITS)	06/11/87-11/04/96	11	8.13	8.096	8.47	7.64	0.063	0.252	7.678	7.93	8.33	8.446
00400	CONVERTED PH (STANDARD UNITS)	06/11/87-11/04/96	11	8.13	8.029	8.47	7.64	0.068	0.262	7.678	7.93	8.33	8.446
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/87-11/04/96	11	0.007	0.009	0.023	0.003	0.	0.006	0.004	0.005	0.012	0.021
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	14	13.	47.286	350.	2.	8427.604	91.802	4.	7.75	44.5	230.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/23/85-11/04/96	14	1.113	1.25	2.544	0.301	0.327	0.572	0.54	0.889	1.642	2.293
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.772								

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

Station Inventory for Station: BUFF0230

NPS Station ID: BUFF0230
LAT/LON: 35.943059/ -93.405560
Agency: 11NPSWRD
Date Created: 01/18/97
Location: Buffalo River at Wilderness Boundary
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BUFF_MOTT_R01 /05NPS001 /BUFR01 /4J00010
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005
Depth of Water: 0
Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER
Elevation: 347
Water Body Id:
Minor Basin: WHITE RIVER
ECO Region: 38M
RF1 Index: 11010005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 11010003003006.17
RF3 Mile Point: 7.70
Distance from RF3: 0.12
On/Off RF3:
Description:
Station is located on the Buffalo River at the Wilderness boundary at the south end of Boxley Valley west of the Luallen Farm - 1.1 miles upriver from the Highway 21 Bridge. Station is within Buffalo National River and can be found on the Boxley 7.5' USGS quadrangle. This station coincides with the Buffalo National River routine-ongoing monitoring station maintained by the National Park Service and referenced by STORET primary number: 05NPS001. The data stored under this particular station were collected in 1989 as part of David Mott's University of Arkansas Master's Thesis entitled: "Effects of Cattle Pasture Runoff on the Water Chemistry of the Buffalo River; Boxley Valley; Arkansas" (1990). All data stored at this station were collected during significant rainfall-runoff events to measure the impact of nonpoint source pollution on the water chemistry of the river. For additional information contact David Mott - Buffalo National River P.O. Box 1173 Harrison AR 72602 (tel. 501-741-5443).

Parameter Inventory for Station: BUFF0230

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/25/89-05/23/89	28	8.25	10.686	16.	5.8	16.746	4.092	6.17	6.725	14.775	15.91
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/25/89-05/23/89	28	475.	487.321	1200.	40.	104367.56	323.06	40.	213.75	640.	1100.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/25/89-05/23/89	28	13.75	13.446	42.5	1.4	153.381	12.385	1.59	2.325	20.5	36.3
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/25/89-05/23/89	27	49.	58.519	119.	39.	506.028	22.495	40.8	46.	66.	106.4
00300	OXYGEN, DISSOLVED MG/L	01/25/89-05/23/89	28	10.	9.954	10.9	8.8	0.366	0.605	9.19	9.35	10.575	10.72
00406	PH, FIELD, STANDARD UNITS SU	01/25/89-05/23/89	28	7.59	7.595	8.11	7.32	0.031	0.176	7.339	7.46	7.695	7.799
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/25/89-05/23/89	28	7.59	7.563	8.11	7.32	0.032	0.179	7.339	7.46	7.695	7.799
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/25/89-05/23/89	28	0.026	0.027	0.048	0.008	0.	0.01	0.016	0.02	0.035	0.046
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/89-05/22/89	5	20.	25.6	39.	15.	131.8	11.48	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/25/89-05/23/89	28	0.54	0.578	1.48	0.025	0.213	0.461	0.025	0.083	0.91	1.271
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/25/89-05/23/89	28 ##	0.005	0.023	0.12	0.005	0.001	0.03	0.005	0.005	0.03	0.071
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/89-05/23/89	28	0.54	0.593	1.6	0.025	0.23	0.479	0.025	0.083	0.93	1.301
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/25/89-05/23/89	28 ##	0.003	0.006	0.02	0.003	0.	0.006	0.003	0.003	0.007	0.02
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/25/89-01/29/89	15	5.4	6.507	12.	4.4	7.199	2.683	4.64	4.8	6.4	11.76
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/25/89-01/29/89	15	0.8	0.887	1.2	0.8	0.023	0.151	0.8	0.8	0.9	1.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/25/89-01/29/89	15	3.3	2.98	4.1	1.4	0.709	0.842	1.64	2.2	3.6	3.98
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/25/89-01/29/89	15	0.35	0.337	0.4	0.25	0.003	0.058	0.25	0.25	0.37	0.4
00940	CHLORIDE,TOTAL IN WATER MG/L	01/25/89-01/29/89	14	2.	2.143	3.	2.	0.132	0.363	2.	2.	2.	3.
01046	IRON, DISSOLVED (UG/L AS FE)	01/25/89-01/29/89	13	31.	31.923	69.	5.	498.91	22.336	5.	12.	50.	69.

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

Parameter Inventory for Station: BUFF0230

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	01/25/89-01/29/89	13	8.	7.923	9.	4.	1.577	1.256	5.6	8.	8.5	9.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/25/89-01/29/89	13 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/25/89-01/29/89	13	11.	9.538	14.	2.	14.103	3.755	2.8	7.	12.	13.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/25/89-05/23/89	28	81.	140.929	520.	8.	22237.18	149.121	9.8	17.	240.	374.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/25/89-05/23/89	28	1.906	1.829	2.716	0.903	0.363	0.603	0.99	1.228	2.38	2.571
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			67.507								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/25/89-05/23/89	28	0.021	0.029	0.072	0.003	0.	0.021	0.003	0.014	0.046	0.056

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

EPA Water Quality Criteria Analysis for Station: BUFF0230

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-1/09---------- Obs	Exceed	Prop.	----------10/10-5/09---------- Obs	Exceed	Prop.	----------5/10-7/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	28	0	0.00				19	0	0.00	9	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	28	0	0.00				19	0	0.00	9	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	28	0	0.00				19	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	28	0	0.00				19	0	0.00	9	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	28	0	0.00				19	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00				14	0	0.00						
		Drinking Water	250.	14	0	0.00				14	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	13	0	0.00				13	0	0.00						
		Drinking Water	15.	13	0	0.00				13	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	13	0	0.00				13	0	0.00						
		Drinking Water	5000.	13	0	0.00				13	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	28	9	0.32				19	3	0.16	9	6	0.67			

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

Station Inventory for Station: BUFF0231

NPS Station ID: BUFF0231 LAT/LON: 35.943059/ -93.405560 Agency: 1116APCC Date Created: 02/03/90
Location: BUFFALO RIVER AT WILDERNESS BOUNDARY FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05NPS001 /BUFR01 /4J00010
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 11010005 Depth of Water: 0 Aquifer:
Major Basin: LOWER MISSISSIPPI RIVER Elevation: 347 Water Body Id:
Minor Basin: WHITE RIVER ECO Region: 38M
RF1 Index: 11010005 RF1 Mile Point: 0.000 Distance from RF1: 22.70 On/Off RF1:
RF3 Index: 11010005038300.00 RF3 Mile Point: 0.73 Distance from RF3: 0.07 On/Off RF3:
Description:
POINT LOCATION: SOUTH END OF BOXLEY VALLEY WEST OF THE LUALLEN FARM 1.1 MILES UPRIVER FROM THE HIGHWAY 21 BR BRIDGE

Parameter Inventory for Station: BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	99	15.	15.402	30.1	1.8	53.517	7.316	5.9	8.	22.	25.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/22/90-02/25/91	8	18.	16.625	26.	4.	48.554	6.968	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	02/03/92-11/27/95	21	46.	70.167	308.	0.5	6864.733	82.854	1.	3.	118.	203.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/93-11/04/96	10	76.	95.8	213.	2.	6948.622	83.358	2.7	9.75	182.25	210.6
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	61	2.55	2.806	22.89	0.	8.048	2.837	0.92	1.88	3.075	3.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	58	2.5	4.595	23.	0.1	22.569	4.751	0.8	1.2	6.675	12.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	95	83.	99.884	219.	15.	2718.252	52.137	44.6	53.	148.	180.
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	81	9.3	9.491	15.1	4.6	4.334	2.082	6.82	8.5	10.8	12.16
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	74	7.705	7.721	8.92	6.56	0.175	0.418	7.175	7.488	7.945	8.29
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	74	7.705	7.515	8.92	6.56	0.217	0.466	7.175	7.487	7.945	8.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	74	0.02	0.031	0.275	0.001	0.002	0.04	0.005	0.011	0.033	0.067
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/87-12/06/93	4	32.	31.	45.	15.	264.	16.248	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	59	0.025	0.049	0.22	0.	0.002	0.048	0.	0.025	0.069	0.12
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/85-12/17/90	32	0.29	0.339	1.39	0.05	0.086	0.294	0.05	0.125	0.453	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	70	0.02	0.042	0.45	0.005	0.004	0.066	0.01	0.01	0.04	0.109
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	43	0.018	0.027	0.08	0.001	0.001	0.022	0.004	0.007	0.04	0.057
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/87-12/20/87	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/93-06/13/94	6	33.	34.833	63.	16.	359.367	18.957	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	12/20/87-10/17/89	6	19.	18.	31.	4.	150.	12.247	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	12/20/87-10/17/89	6	1.	1.267	3.	0.8	0.731	0.855	**	**	**	**
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	12/20/87-10/17/89	6	1.	1.067	2.	0.6	0.235	0.484	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	12/20/87-10/17/89	6	0.65	0.683	1.	0.5	0.03	0.172	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	52	2.	2.471	16.	0.5	4.484	2.118	1.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	56	4.	4.938	12.	0.5	5.91	2.431	2.	3.	7.	8.
01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/85-05/03/88	8 ##	1.	1.288	4.	0.3	1.261	1.123	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/13/91-05/13/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/85-05/13/91	11 ##	0.5	0.6	2.	0.1	0.23	0.48	0.18	0.5	0.5	1.7
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/13/91-05/13/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/85-05/13/91	9 ##	1.	1.156	3.	0.4	0.518	0.72	0.4	1.	1.	3.
01037	COBALT, TOTAL (UG/L AS CO)	04/08/85-10/17/89	10 ##	0.5	1.76	8.	0.1	6.809	2.609	0.14	0.5	2.	7.7
01040	COPPER, DISSOLVED (UG/L AS CU)	05/13/91-05/13/91	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/08/85-05/13/91	11	2.	4.045	11.	0.5	15.623	3.953	0.6	1.	9.	10.6
01045	IRON, TOTAL (UG/L AS FE)	04/08/85-10/17/89	10	70.	69.	140.	5.	3305.778	57.496	5.	5.75	140.	140.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/13/91-05/13/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/08/85-05/13/91	11	1.	1.945	10.	0.4	7.353	2.712	0.52	1.	2.	8.4
01067	NICKEL, TOTAL (UG/L AS NI)	04/08/85-10/17/89	10 ##	1.	2.83	7.	0.3	7.111	2.667	0.37	1.	5.5	7.

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

Parameter Inventory for Station: BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	04/08/85-05/03/88	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/13/91-05/13/91	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/08/85-05/13/91	11	5.	549.827	3000.	0.1	1467499.568	1211.404	0.68	4.	16.	3000.
01104	ALUMINUM,TOTAL RECOVERABLE IN WATER AS AL UG/L	04/08/85-04/08/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01123	MANGANESE,TOTAL RECOVERABLE IN WATER AS MN UG/L	04/08/85-10/17/89	10	5.	10.4	40.	1.	135.156	11.626	1.3	4.75	12.5	38.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/85-03/30/88	10	47.5	479.	4000.	0.	1545793.333	1243.299	0.	7.5	267.5	3638.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/15/85-03/30/88	10	1.661	1.568	3.602	0.	1.273	1.128	0.	0.75	2.416	3.5
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			36.972								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	96	6.	50.552	1800.	0.	42518.271	206.2	0.	2.	12.	58.9
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	96	0.778	0.802	3.255	0.	0.51	0.714	0.	0.301	1.079	1.764
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.332								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/30/88-03/30/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/30/88-03/30/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	59	0.015	0.032	0.1	0.	0.001	0.025	0.01	0.015	0.047	0.08
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/07/94-11/27/95	12	2.8	4.467	17.	0.9	20.428	4.52	0.99	1.425	6.3	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: BUFF0231

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	58	0	0.00	31	0	0.00	19	0	0.00	8	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	81	0	0.00	42	0	0.00	26	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	74	0	0.00	39	0	0.00	24	0	0.00	11	0	0.00			
		Other-Lo Lim.	6.5	74	0	0.00	39	0	0.00	24	0	0.00	11	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	70	0	0.00	40	0	0.00	19	0	0.00	11	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	52	0	0.00	27	0	0.00	17	0	0.00	8	0	0.00			
		Drinking Water	250.	52	0	0.00	27	0	0.00	17	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	56	0	0.00	28	0	0.00	19	0	0.00	9	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	50.	8	0	0.00	3	0	0.00	5	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	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	5.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	3	0	0.00	5	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.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	1300.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	15.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	4	0	0.00	6	0	0.00						
		Drinking Water	100.	10	0	0.00	4	0	0.00	6	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	3	0	0.00	5	0	0.00						
		Drinking Water	100.	8	0	0.00	3	0	0.00	5	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.	11	2	0.18	4	0	0.00	6	2	0.33	1	0	0.00			
		Drinking Water	5000.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	10	1	0.10	6	0	0.00	2	0	0.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	96	6	0.06	49	3	0.06	30	1	0.03	17	2	0.12			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	6	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

Annual Analysis for 1985 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	11	24.	20.582	30.1	4.	66.734	8.169	5.8	13.	26.	30.08
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	11	135.	114.	178.	50.	2327.	48.239	50.4	56.	155.	174.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	12	2.	34.167	338.	0.	9365.424	96.775	0.	0.	5.5	252.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	12	0.301	0.594	2.529	0.	0.61	0.781	0.	0.	0.734	2.285
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.928								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	23.25	20.167	25.5	6.	56.767	7.534	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	118.5	116.167	156.	79.	993.367	31.518	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	4.	5.	14.	0.	30.	5.477	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	0.54	0.521	1.146	0.	0.239	0.489	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.322								

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

Annual Analysis for 1987 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	8	17.25	16.563	27.	4.	68.174	8.257	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	8	103.	111.625	219.	15.	4399.696	66.33	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	8	2.	4.	16.	0.	34.286	5.855	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	8	0.301	0.388	1.204	0.	0.216	0.465	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.446								

** - Less than 9 observations ## - Computed with 50% or 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 BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	8.95	11.567	20.7	5.9	38.839	6.232	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	76.	81.5	155.	27.	2205.5	46.963	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	10.5	105.333	567.	2.	51361.467	226.631	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	0.952	1.143	2.754	0.301	0.885	0.941	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.914								

** - 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 box-and-whisker plot

Annual Analysis for 1989 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	12	14.95	13.6	20.	4.8	32.262	5.68	4.95	7.4	18.475	19.91
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	12	127.5	118.917	183.	53.	2670.083	51.673	53.6	69.75	164.75	183.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	12	5.5	25.667	225.	0.	3998.97	63.237	0.	0.5	19.5	163.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	12	0.739	0.791	2.352	0.	0.486	0.697	0.	0.075	1.29	2.037
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.181								

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

Annual Analysis for 1990 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	15	13.5	14.767	25.	6.8	44.424	6.665	7.52	8.	23.5	24.46
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	12	71.5	83.833	185.	26.	2507.242	50.072	27.2	44.75	125.75	173.9
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	13	4.	19.846	184.	0.	2498.308	49.983	0.	1.	11.	122.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	13	0.602	0.683	2.265	0.	0.438	0.662	0.	0.151	1.04	1.95
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.823								

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

Annual Analysis for 1991 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	13	13.	15.254	24.8	4.8	52.159	7.222	5.48	8.9	22.8	24.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	12	60.5	101.5	200.	43.	4164.091	64.53	43.6	49.75	179.5	196.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	12	7.	178.833	1800.	0.	266474.515	516.212	0.6	2.5	21.5	1341.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	12	0.841	1.059	3.255	0.	0.875	0.935	0.09	0.376	1.322	3.009
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.445								

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

Annual Analysis for 1992 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	15.45	14.483	22.5	7.	38.342	6.192	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	71.	84.5	133.	51.	1336.7	36.561	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	5	10.	136.4	650.	2.	82446.8	287.136	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	5	1.	1.219	2.813	0.301	0.888	0.942	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.567								

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

Annual Analysis for 1993 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	12.5	14.1	26.3	4.8	77.98	8.831	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	68.5	83.833	178.	32.	2875.767	53.626	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	10.	13.5	38.	2.	156.3	12.502	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	0.998	0.985	1.58	0.301	0.167	0.409	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.66								

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

Annual Analysis for 1994 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	15.25	14.817	22.4	4.5	49.798	7.057	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	84.5	90.333	183.	32.	3405.467	58.356	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	8.5	23.	100.	3.	1432.	37.842	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	0.929	1.032	2.	0.477	0.267	0.517	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.764								

** - 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

Annual Analysis for 1995 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	6	14.	14.383	25.1	3.9	56.106	7.49	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	6	93.5	107.5	193.	49.	4180.7	64.658	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	3.5	5.	14.	1.	22.4	4.733	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	6	0.54	0.551	1.146	0.	0.156	0.395	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.554								

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

Annual Analysis for 1996 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	4	10.15	11.45	23.7	1.8	82.19	9.066	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	4	68.5	77.	123.	48.	1122.	33.496	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	4	15.5	26.5	75.	0.	1136.333	33.71	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	4	1.132	1.035	1.875	0.	0.634	0.796	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.839								

** - Less than 9 observations ## - Computed with 50% or more 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: 7/15 to 1/09 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	52	17.45	17.19	30.1	1.8	54.48	7.381	6.93	10.375	24.075	25.85
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	25	2.2	2.826	22.89	0.	18.973	4.356	0.36	0.95	3.025	4.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	31	1.3	3.881	23.	0.3	27.41	5.235	0.8	1.1	5.8	12.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	49	143.	131.408	219.	15.	2511.038	50.11	50.	88.	169.5	185.
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	42	9.	9.15	15.	4.6	4.996	2.235	6.12	7.875	10.175	12.34
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	39	7.69	7.73	8.92	6.83	0.188	0.434	7.14	7.47	7.99	8.3
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	39	7.69	7.543	8.92	6.83	0.224	0.473	7.14	7.47	7.99	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	39	0.02	0.029	0.148	0.001	0.001	0.029	0.005	0.01	0.034	0.072
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	30 ##	0.025	0.039	0.12	0.	0.001	0.033	0.	0.025	0.058	0.089
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	40	0.02	0.041	0.23	0.005	0.003	0.053	0.01	0.01	0.04	0.119
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	25	0.015	0.022	0.08	0.001	0.	0.019	0.004	0.007	0.035	0.044
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	27	2.	2.222	5.	1.	0.718	0.847	1.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	28	5.	5.429	12.	1.	6.847	2.617	2.	4.	7.75	9.1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	49	6.	64.857	1800.	0.	72637.375	269.513	0.	2.	14.	40.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	49	0.778	0.833	3.255	0.	0.543	0.737	0.	0.301	1.146	1.602
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.815								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	30	0.023	0.036	0.1	0.	0.001	0.028	0.015	0.015	0.053	0.081

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

Seasonal Analysis for Season #2: 10/10 to 5/09 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	30	8.	9.407	18.	3.9	17.999	4.242	4.53	5.75	13.	17.25
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	26	2.74	2.918	6.	1.86	0.77	0.878	1.97	2.35	3.325	3.93
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	19	4.1	4.753	13.	0.1	11.893	3.449	0.7	2.3	6.4	12.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	29	52.	54.345	102.	26.	308.377	17.561	30.	45.	62.	79.
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	26	10.75	10.569	15.1	6.	3.006	1.734	8.84	9.575	11.1	13.18
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	24	7.76	7.701	8.6	6.56	0.217	0.466	6.96	7.387	7.973	8.255
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	24	7.76	7.419	8.6	6.56	0.3	0.548	6.96	7.387	7.973	8.255
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	24	0.017	0.038	0.275	0.003	0.004	0.06	0.006	0.011	0.041	0.116
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	19	0.025	0.069	0.22	0.	0.005	0.069	0.	0.025	0.137	0.19
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	19	0.02	0.026	0.12	0.005	0.001	0.027	0.01	0.01	0.03	0.05
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	12	0.032	0.035	0.08	0.004	0.001	0.028	0.004	0.006	0.058	0.08
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	17	2.	3.147	16.	0.5	12.305	3.508	0.9	2.	3.	8.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	19	4.	4.447	8.	0.5	4.247	2.061	2.	3.	7.	7.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	30	4.	30.3	650.	0.	13963.803	118.169	0.	2.	8.	49.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	30	0.602	0.677	2.813	0.	0.413	0.642	0.	0.301	0.903	1.692
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.754								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	19 ##	0.015	0.026	0.09	0.	0.001	0.023	0.	0.015	0.04	0.06

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

Seasonal Analysis for Season #3: 5/10 to 7/14 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/85-11/04/96	17	20.5	20.512	30.	14.2	15.984	3.998	14.84	18.	22.75	26.8
00065	STAGE, STREAM (FEET)	03/25/85-11/04/96	10	2.325	2.465	4.6	1.6	0.75	0.866	1.6	1.9	2.725	4.42
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/85-11/04/96	8	6.	6.988	15.	1.5	26.85	5.182	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/25/85-11/04/96	17	78.	86.706	145.	51.	910.221	30.17	52.6	56.	108.5	137.
00300	OXYGEN, DISSOLVED MG/L	03/25/85-11/04/96	13	8.9	8.438	10.	5.8	1.433	1.197	6.24	7.6	9.2	9.92
00400	PH (STANDARD UNITS)	12/23/86-11/04/96	11	7.67	7.731	8.29	7.49	0.058	0.241	7.494	7.53	7.9	8.23
00400	CONVERTED PH (STANDARD UNITS)	12/23/86-11/04/96	11	7.67	7.682	8.29	7.49	0.061	0.247	7.494	7.53	7.9	8.23
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/23/86-11/04/96	11	0.021	0.021	0.032	0.005	0.	0.009	0.006	0.013	0.03	0.032
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/87-11/04/96	10	0.038	0.044	0.09	0.02	0.001	0.024	0.021	0.025	0.057	0.089

** - Less than 9 observations ## - Computed with 50% or more 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: 5/10 to 7/14 - Station BUFF0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/08/85-11/04/96	11	0.03	0.07	0.45	0.01	0.016	0.128	0.01	0.02	0.05	0.376
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/08/85-09/28/92	6	0.033	0.031	0.052	0.008	0.001	0.022	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/89-11/04/96	8	2.	1.875	2.	1.	0.125	0.354	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/22/90-11/04/96	9	4.	4.444	10.	2.	6.278	2.506	2.	3.	5.5	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	17	8.	45.059	272.	0.	7802.934	88.334	0.	2.	16.	234.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/25/85-11/04/96	17	0.903	0.929	2.435	0.	0.604	0.777	0.	0.301	1.201	2.369
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.497								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/30/86-11/04/96	10	0.032	0.03	0.05	0.003	0.	0.017	0.004	0.015	0.046	0.05

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

Station Inventory for Station: BUFF0232

NPS Station ID: BUFF0232 | LAT/LON: 35.946115/ -93.457503 | Agency: 12NSS | Date Created: 10/22/88
Location: NO NAME | FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 2D073004L /2D02D073004L
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 11010005 | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 518 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 11010005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 11010005001100.00 | RF3 Mile Point: 0.00 | 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: BUFF0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/86-04/16/86	1	13.2	13.2	13.2	13.2	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/16/86-04/16/86	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/16/86-04/16/86	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/86-04/16/86	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/16/86-04/16/86	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/16/86-04/16/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/86-04/16/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/86-04/16/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/16/86-04/16/86	1	227.8	227.8	227.8	227.8	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/16/86-04/16/86	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/16/86-04/16/86	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/16/86-04/16/86	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/16/86-04/16/86	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/16/86-04/16/86	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/16/86-04/16/86	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/16/86-04/16/86	1	0.86	0.86	0.86	0.86	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/86-04/16/86	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/16/86-04/16/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/16/86-04/16/86	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/16/86-04/16/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/16/86-04/16/86	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/86-04/16/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/16/86-04/16/86	1	561.	561.	561.	561.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/16/86-04/16/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	04/16/86-04/16/86	1	179.87	179.87	179.87	179.87	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/16/86-04/16/86	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/86-04/16/86	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	04/16/86-04/16/86	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: BUFF0232

				Total	Exceed	Prop.	----------7/15-1/09----------			----------10/10-5/09----------			----------5/10-7/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
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: BUFF0233

NPS Station ID: BUFF0233
LAT/LON: 35.953615/ -93.469726
Agency: 12NSS
Date Created: 10/22/88
Location: NO NAME
FIPS State/County: 05101 ARKANSAS/NEWTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2D073004U /2D02D073004U
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 11010001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 564
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 11010001
RF1 Mile Point: 0.000
Distance from RF1: 4.70
On/Off RF1:
RF3 Index: 11010005049400.00
RF3 Mile Point: 0.46
Distance from RF3: 0.03
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: BUFF0233

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/86-04/16/86	1	14.8	14.8	14.8	14.8	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/16/86-04/16/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/16/86-04/16/86	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/86-04/16/86	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/16/86-04/16/86	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/16/86-04/16/86	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/86-04/16/86	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/86-04/16/86	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/16/86-04/16/86	1	143.4	143.4	143.4	143.4	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/16/86-04/16/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/16/86-04/16/86	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/16/86-04/16/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/16/86-04/16/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/16/86-04/16/86	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/16/86-04/16/86	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/16/86-04/16/86	1	1.07	1.07	1.07	1.07	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/86-04/16/86	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/16/86-04/16/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/16/86-04/16/86	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**

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

Parameter Inventory for Station: BUFF0233

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/16/86-04/16/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/16/86-04/16/86	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/86-04/16/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/16/86-04/16/86	1	632.	632.	632.	632.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/16/86-04/16/86	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	04/16/86-04/16/86	1	183.87	183.87	183.87	183.87	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/16/86-04/16/86	1	1850.	1850.	1850.	1850.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/86-04/16/86	1	13.8	13.8	13.8	13.8	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	04/16/86-04/16/86	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

EPA Water Quality Criteria Analysis for Station: BUFF0233

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00				1	1	1.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
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

EPA Water Quality Criteria Analysis for Entire BUFF Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	88	0	0.00	44	0	0.00	25	0	0.00	19	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2029	102	0.05	996	54	0.05	577	43	0.07	456	5	0.01			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2873	6	0.00	1409	6	0.00	925	0	0.00	539	0	0.00			
00400	PH	Other-Hi Lim.	9.	2936	6	0.00	1465	6	0.00	879	0	0.00	592	0	0.00			
		Other-Lo Lim.	6.5	2936	3	0.00	1465	2	0.00	879	1	0.00	592	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	99	0	0.00	40	0	0.00	29	0	0.00	30	0	0.00			
		Other-Lo Lim.	6.5	99	2	0.02	40	0	0.00	29	2	0.07	30	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	62	0	0.00				41	0	0.00	21	0	0.00			
		Other-Lo Lim.	6.5	62	0	0.00				41	0	0.00	21	0	0.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	4	3	0.75				4	3	0.75						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	92	0	0.00	41	0	0.00	23	0	0.00	28	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	84	0	0.00	40	0	0.00	30	0	0.00	14	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	157	0	0.00	75	0	0.00	54	0	0.00	28	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2056	0	0.00	1034	0	0.00	642	0	0.00	380	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	161	0	0.00	43	0	0.00	67	0	0.00	51	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2145	0	0.00	1042	0	0.00	732	0	0.00	371	0	0.00			
		Drinking Water	250.	2145	0	0.00	1042	0	0.00	732	0	0.00	371	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	4	0	0.00				4	0	0.00						
		Drinking Water	250.	4	0	0.00				4	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2160	0	0.00	1037	0	0.00	742	0	0.00	381	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	0	0.00				4	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	124	0	0.00	58	0	0.00	34	0	0.00	32	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	50	0	0.00	24	0	0.00	14	0	0.00	12	0	0.00			
		Drinking Water	50.	50	0	0.00	24	0	0.00	14	0	0.00	12	0	0.00			
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	179	0	0.00	71	0	0.00	87	0	0.00	21	0	0.00			
		Drinking Water	50.	179	0	0.00	71	0	0.00	87	0	0.00	21	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	76	0	0.00	36	0	0.00	22	0	0.00	18	0	0.00			
01006	BARIUM, SUSPENDED	Drinking Water	2000.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	70	0	0.00	34	0	0.00	20	0	0.00	16	0	0.00			
		Drinking Water	4.	70	0	0.00	34	0	0.00	20	0	0.00	16	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	247	0	0.00	108	0	0.00	61	0	0.00	78	0	0.00			
		Drinking Water	5.	247	0	0.00	108	0	0.00	61	0	0.00	78	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	34	0	0.00	11	0	0.00	1	0	0.00	22	0	0.00			
		Drinking Water	5.	34	0	0.00	11	0	0.00	1	0	0.00	22	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	434 &	13	0.03	183	9	0.05	182	3	0.02	69	1	0.01			
		Drinking Water	5.	434 &	10	0.02	183	6	0.03	182	3	0.02	69	1	0.01			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	232	0	0.00	105	0	0.00	52	0	0.00	75	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	37	0	0.00	12	0	0.00	2	0	0.00	23	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	425	2	0.00	167	0	0.00	182	2	0.01	76	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	252	2	0.01	109	1	0.01	64	0	0.00	79	1	0.01			
		Drinking Water	1300.	252	0	0.00	109	0	0.00	64	0	0.00	79	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	26	0	0.00	12	0	0.00	2	0	0.00	12	0	0.00			
		Drinking Water	1300.	26	0	0.00	12	0	0.00	2	0	0.00	12	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	507	74	0.15	219	21	0.10	201	30	0.15	87	23	0.26			
		Drinking Water	1300.	507	0	0.00	219	0	0.00	201	0	0.00	87	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	280	0	0.00	111	0	0.00	89	0	0.00	80	0	0.00			
		Drinking Water	15.	280	2	0.01	111	0	0.00	89	0	0.00	80	2	0.03			
01050	LEAD, SUSPENDED	Fresh Acute	82.	37	0	0.00	12	0	0.00	2	0	0.00	23	0	0.00			
		Drinking Water	15.	37	1	0.03	12	0	0.00	2	0	0.00	23	1	0.04			
01051	LEAD, TOTAL	Fresh Acute	82.	459	28	0.06	192	6	0.03	182	20	0.11	85	2	0.02			
		Drinking Water	15.	459	83	0.18	192	35	0.18	182	40	0.22	85	8	0.09			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	139	0	0.00	67	0	0.00	31	0	0.00	41	0	0.00			
		Drinking Water	100.	139	0	0.00	67	0	0.00	31	0	0.00	41	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	31	0	0.00	10	0	0.00				21	0	0.00			
		Drinking Water	100.	31	0	0.00	10	0	0.00				21	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	85	0	0.00	33	0	0.00	51	0	0.00	1	0	0.00			
		Drinking Water	100.	85	0	0.00	33	0	0.00	51	0	0.00	1	0	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 BUFF Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	53	0	0.00	27	0	0.00	13	0	0.00	13	0	0.00			
		Drinking Water	100.	53	0	0.00	27	0	0.00	13	0	0.00	13	0	0.00			
01076	SILVER, SUSPENDED	Fresh Acute	4.1	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	71	0	0.00	26	0	0.00	43	0	0.00	2	0	0.00			
		Drinking Water	100.	71	0	0.00	26	0	0.00	43	0	0.00	2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	264	3	0.01	103	2	0.02	88	0	0.00	73	1	0.01			
		Drinking Water	5000.	264	0	0.00	103	0	0.00	88	0	0.00	73	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	74	2	0.03	34	2	0.06	13	0	0.00	27	0	0.00			
		Drinking Water	5000.	74	0	0.00	34	0	0.00	13	0	0.00	27	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	478	12	0.03	207	4	0.02	188	8	0.04	83	0	0.00			
		Drinking Water	5000.	478	0	0.00	207	0	0.00	188	0	0.00	83	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	21	0	0.00	13	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	6.	21	0	0.00	13	0	0.00	4	0	0.00	4	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	50	0	0.00	25	0	0.00	13	0	0.00	12	0	0.00			
		Drinking Water	50.	50	0	0.00	25	0	0.00	13	0	0.00	12	0	0.00			
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	52	0	0.00	24	0	0.00	18	0	0.00	10	0	0.00			
		Drinking Water	50.	52	0	0.00	24	0	0.00	18	0	0.00	10	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	21	0	0.00	2	0	0.00	4	0	0.00	15	0	0.00			
07000	TRITIUM, TOTAL	Drinking Water	20000.	2	0	0.00	2	0	0.00									
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	21	0	0.00	13	0	0.00	4	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	277	12	0.04	178	0	0.00	54	4	0.07	45	8	0.18			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3070	335	0.11	1531	150	0.10	872	123	0.14	667	62	0.09			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	94	8	0.09	38	3	0.08	26	4	0.15	30	1	0.03			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	20	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	18	0	0.00	2	0	0.00	4	0	0.00	12	0	0.00			
38866	OXAMYL, DISSOLVED	Drinking Water	200.	12	0	0.00	3	0	0.00	1	0	0.00	8	0	0.00			
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	21	0	0.00	2	0	0.00	4	0	0.00	15	0	0.00			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	2	0	0.00	2	0	0.00									
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	2	0	0.00									
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	2	0	0.00									
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	2	0	0.00									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	45	0	0.00	30	0	0.00	11	0	0.00	4	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	6	0	0.00	4	0	0.00				2	0	0.00			
		Drinking Water	0.2	6	0	0.00	4	0	0.00				2	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	21	0	0.00	2	0	0.00	4	0	0.00	15	0	0.00			
		Drinking Water	0.2	21	0	0.00	2	0	0.00	4	0	0.00	15	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00				2	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	9	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	43	0	0.00	28	0	0.00	11	0	0.00	4	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	43	0	0.00	28	0	0.00	11	0	0.00	4	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	45	0	0.00	30	0	0.00	11	0	0.00	4	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	19	0	0.00	2	0	0.00	4	0	0.00	13	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	9	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	45	0	0.00	30	0	0.00	11	0	0.00	4	0	0.00			
		Drinking Water	2.	45	0	0.00	30	0	0.00	11	0	0.00	4	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	43	0	0.00	28	0	0.00	11	0	0.00	4	0	0.00			
		Drinking Water	3.	43	0	0.00	28	0	0.00	11	0	0.00	4	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	11	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	0.4	11	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	11	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	0.2	11	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	11	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	4	0	0.00	2	0	0.00				2	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	21	0	0.00	2	0	0.00	4	0	0.00	15	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00	2	0	0.00									

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

EPA Water Quality Criteria Analysis for Entire BUFF Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-1/09 Obs	7/15-1/09 Exceed	7/15-1/09 Prop.	10/10-5/09 Obs	10/10-5/09 Exceed	10/10-5/09 Prop.	5/10-7/14 Obs	5/10-7/14 Exceed	5/10-7/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	17	0	0.00	2	0	0.00	3	0	0.00	12	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	25	0	0.00	14	0	0.00	8	0	0.00	3	0	0.00			
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	39	0	0.00	26	0	0.00	11	0	0.00	2	0	0.00			
		Drinking Water	0.2	39	0	0.00	26	0	0.00	11	0	0.00	2	0	0.00			
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	21	0	0.00	2	0	0.00	4	0	0.00	15	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	95	0	0.00	50	0	0.00	35	0	0.00	10	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	2.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	2.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	28	0	0.00	17	0	0.00	6	0	0.00	5	0	0.00			
		Drinking Water	2.	28	0	0.00	17	0	0.00	6	0	0.00	5	0	0.00			
81403	DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMP	Fresh Acute	0.083	2	0	0.00	2	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	790	98	0.12	375	53	0.14	297	44	0.15	118	1	0.01			

& - 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 BUFF 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 BUFF Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	4	4	0	0	4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	367	136	39	192	47
00440	BICARBONATE ION (MG/L AS HCO3)	197	4	18	175	11
00445	CARBONATE ION (MG/L AS CO3)	189	0	16	173	7
		757	144	73	540	69 (53)[1]

pH		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	3013	2561	262	190	63
00403	PH, LAB (STANDARD UNITS)	99	94	5	0	17
00406	PH, FIELD (STANDARD UNITS)	62	62	0	0	2
		3174	2717	267	190	82 (69)[1]

Conductivity		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	61	61	0	0	2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3192	2769	215	208	62
		3253	2830	215	208	64 (64)[1]

Dissolved Oxygen		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	4	4	0	0	4
00300	OXYGEN, DISSOLVED (MG/L)	2873	2573	262	38	60
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	318	69	234	15	5
		3195	2646	496	53	69 (64)[1]

Water Temperature		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	3571	3180	304	87	69
		3571	3180	304	87	69 (69)[1]

Flow		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	2	2	0	0	2
00060	FLOW, STREAM, MEAN DAILY CFS	848	664	2	182	45
00061	FLOW, STREAM, INSTANTANEOUS CFS	1203	833	367	3	54
00065	STAGE, STREAM (FEET)	1692	1604	88	0	40
		3745	3103	457	185	141 (58)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	88	0	50	38	8
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	2047	1894	153	0	46
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	734	431	274	29	20
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	790	690	100	0	41
		3659	3015	577	67	115 (59)[!]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	25	0	25	0	3
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	103	61	42	0	5
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	2	0	2	0	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	153	151	2	0	14
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1995	1799	196	0	45
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	157	0	127	30	7
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	92	90	2	0	12
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	945	785	160	0	47
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	2056	1884	172	0	45
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	161	153	8	0	14
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	4	0	4	0	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	2	0	2	0	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	172	4	0	168	10
		5867	4927	742	198	205 (68)[!]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	16	0	0	16	4
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	6	0	6	0	1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	1478	1209	254	15	48
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	96	93	3	0	15
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	96	90	6	0	12
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	1872	1754	118	0	46
		3564	3146	387	31	126 (65)[!]

Chlorophyll		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	34	0	34	0	2
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	43	0	43	0	2
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	2	0	2	0	2
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	2	0	2	0	2
		81	0	81	0	8 (2)[!]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	740	412	137	191	52
00945	SULFATE, TOTAL (MG/L AS SO4)	2237	1803	243	191	62
00946	SULFATE, DISSOLVED (MG/L AS SO4)	4	4	0	0	4
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	839	518	183	138	25
		3820	2737	563	520	143 (66)[!]

[!]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Bacteria		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	277	184	81	12	35
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	3072	2812	246	14	42
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	94	86	8	0	10
31648	E. COLI - MTEC-MF	20	20	0	0	1
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	112	104	8	0	22
		3575	3206	343	26	110 (51)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	21	21	0	0	6
01000	ARSENIC, DISSOLVED (UG/L AS AS)	50	44	6	0	7
01001	ARSENIC, SUSPENDED (UG/L AS AS)	6	0	6	0	1
01002	ARSENIC, TOTAL (UG/L AS AS)	179	64	100	15	15
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	70	70	0	0	9
01025	CADMIUM, DISSOLVED (UG/L AS CD)	247	163	35	49	44
01026	CADMIUM, SUSPENDED (UG/L AS CD)	34	0	4	30	13
01027	CADMIUM, TOTAL (UG/L AS CD)	471	245	213	13	27
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	232	157	35	40	44
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	37	0	7	30	13
01034	CHROMIUM, TOTAL (UG/L AS CR)	425	231	182	12	28
01040	COPPER, DISSOLVED (UG/L AS CU)	252	168	35	49	44
01041	COPPER, SUSPENDED (UG/L AS CU)	26	0	7	19	13
01042	COPPER, TOTAL (UG/L AS CU)	507	252	240	15	28
01049	LEAD, DISSOLVED (UG/L AS PB)	280	196	35	49	46
01050	LEAD, SUSPENDED (UG/L AS PB)	37	0	7	30	13
01051	LEAD, TOTAL (UG/L AS PB)	459	250	194	15	28
71890	MERCURY, DISSOLVED (UG/L AS HG)	9	1	8	0	2
71895	MERCURY, SUSPENDED (UG/L AS HG)	7	0	7	0	1
71900	MERCURY, TOTAL (UG/L AS HG)	30	12	18	0	7
01065	NICKEL, DISSOLVED (UG/L AS NI)	139	70	29	40	24
01066	NICKEL, SUSPENDED (UG/L AS NI)	31	0	1	30	13
01067	NICKEL, TOTAL (UG/L AS NI)	85	82	3	0	12
01145	SELENIUM, DISSOLVED (UG/L AS SE)	50	44	6	0	7
01146	SELENIUM, SUSPENDED (UG/L AS SE)	6	0	6	0	1
01147	SELENIUM, TOTAL (UG/L AS SE)	52	0	52	0	3
01075	SILVER, DISSOLVED (UG/L AS AG)	53	45	8	0	8
01076	SILVER, SUSPENDED (UG/L AS AG)	6	0	6	0	1
01077	SILVER, TOTAL (UG/L AS AG)	71	63	8	0	11
01090	ZINC, DISSOLVED (UG/L AS ZN)	264	180	35	49	44
01091	ZINC, SUSPENDED (UG/L ZN)	74	0	34	40	15
01092	ZINC, TOTAL (UG/L AS ZN)	478	229	236	13	27
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	45	6	37	2	7
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	21	21	0	0	10
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	2	2	0	0	2
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	2	2	0	0	2
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	6	2	4	0	3
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	21	21	0	0	10
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	39	4	33	2	5
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	2	2	0	0	2
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	4	0	4	0	1
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	43	4	37	2	6
34653	P,P'-DDE, DISSOLVED (UG/L)	21	21	0	0	10
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	43	4	37	2	6
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	9	0	7	2	3
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	45	6	37	2	7
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	21	0	0	10
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	2	2	0	0	2
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	2	2	0	0	2
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	2	2	0	0	2
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	45	6	37	2	7
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	11	2	7	2	5

[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 04/07/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	11	2	7	2	5
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	43	4	37	2	6
		5134	2729	1847	558	674 (55)[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	757	144	19.0	53	24.1	14.3	07/23/45-06/14/95	15.2
pH	3174	2717	85.6	69	31.4	46.0	07/23/45-12/10/96	61.8
Conductivity	3253	2830	87.0	64	29.1	50.8	07/23/45-12/10/96	63.3
Dissolved Oxygen	3195	2646	82.8	64	29.1	49.9	07/07/71-12/10/96	125.6
Water Temperature	3571	3180	89.1	69	31.4	51.8	11/15/45-12/10/96	69.9
Flow	3745	3103	82.9	58	26.4	64.6	07/23/45-12/10/96	72.9
Clarity/Turbidity	3659	3015	82.4	59	26.8	62.0	07/07/71-12/10/96	143.9
Nitrate/Nitrogen	5867	4927	84.0	68	30.9	86.3	07/23/45-11/19/96	114.3
Phosphate/Phosphorus	3564	3146	88.3	65	29.5	54.8	07/07/71-11/19/96	140.5
Chlorophyll	81	0	0.0	2	0.9	40.5	06/08/77-08/02/83	13.2
Sulfates/Total Dissolved Solids/Hardness	3820	2737	71.6	66	30.0	57.9	07/23/45-11/19/96	74.4
Bacteria	3575	3206	89.7	51	23.2	70.1	04/10/74-04/07/97	155.5
Toxic Elements	5134	2729	53.2	55	25.0	93.3	03/12/74-11/19/96	226.2

Water Quality Observations
Outside STORET Edit Criteria for BUFF

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
BUFF0080	71900	MERCURY, TOTAL (UG/L AS HG)	780710	0845	11.0000000	112WRD	07056000	
BUFF0083	71900	MERCURY, TOTAL (UG/L AS HG)	780710	0845	10.5000000	1116APCC	050077	

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) BUFFTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) BUFFSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) BUFFAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) BUFFAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) BUFFOV0.DOC - Overview of park and retrieved data.

(e) BUFFOV1.DOC - Station period of record table.

(f) BUFFOV2.DOC - Parameter period of record table.

(g) BUFFOV3.DOC - Station/parameter period of record table.

(h) BUFFINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) BUFFSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) BUFFEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) BUFFIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) BUFFBAD.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 BUFFOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\BUFFOV1.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) BUFFFIGS.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 BUFF0001. 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 BUFF0001) 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) BUFFPARM.ZIP

This file compresses BUFFPARM.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) BUFFSITE.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) BUFFWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) BUFFIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) BUFFDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) BUFFGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) BUFFDAMS.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) BUFFMISC.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) BUFFEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) BUFFTOC.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) BUFFREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) BUFFWQ - 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 (BUFFWQA, BUFFWQB, BUFFWQC, etc.) and the index map name will end with an ampersand (&).

(g) BUFFIDG - 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 (BUFFIDGA, BUFFIDGB, BUFFIDGC, 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) BUFFSEHY - 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 BUFFFIGS.ZIP and BUFFTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in BUFFMISC.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) BUFFRF3.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) BUFFWQMW.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: BUFFPARM.DBF in BUFFPARM.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: BUFFPARM.DBF in BUFFPARM.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: BUFFPARM.DBF in BUFFPARM.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: BUFFWQ.DBF in BUFFSITE.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: BUFFWQ.DBF in BUFFSITE.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: BUFFIFD.DBF in BUFFSITE.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: BUFFIFD.DBF in BUFFSITE.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: BUFFIFD.DBF in BUFFSITE.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: BUFFDRIN.DBF in BUFFSITE.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: BUFFDRIN.DBF in BUFFSITE.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: BUFFDRIN.DBF in BUFFSITE.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: BUFFGAGE.DBF in BUFFSITE.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: BUFFGAGE.DBF in BUFFSITE.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: BUFFDAMS.DBF in BUFFSITE.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: BUFFDAMS.DBF in BUFFSITE.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: BUFFDAMS.DBF in BUFFSITE.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: BUFFDAMS.DBF in BUFFSITE.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 BUFFRF3.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 BUFFRF3.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 BUFFRF3.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 BUFFRF3.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 BUFFRF3.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 BUFFRF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20c			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20c			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20c			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020c			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20c			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[p]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[p]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200[^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	81752	1400[+]	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[l]	TURBIDITY, FIELD	NTU	Physical
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	**Conductivity Parameter Group**	**C.A.S. Number**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	**Dissolved Oxygen Parameter Group**	**C.A.S. Number**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	**pH Parameter Group**	**C.A.S. Number**
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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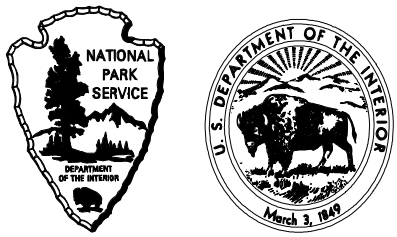
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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

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