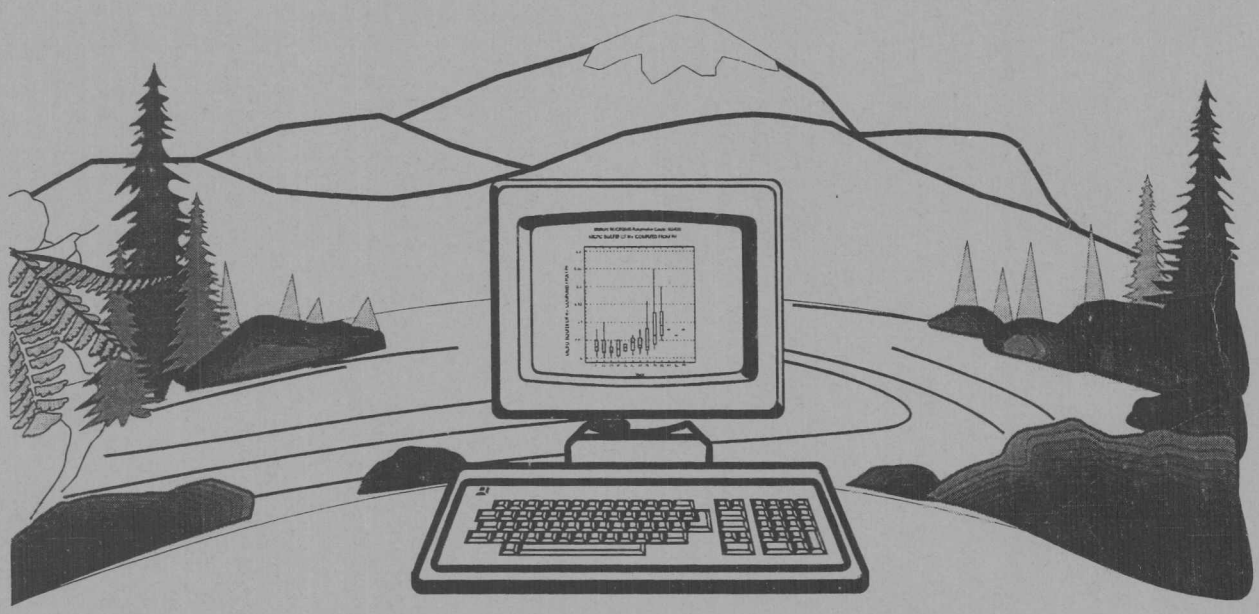
Baseline Water Quality Data

Inventory and Analysis

Fredericksburg and Spotsylvania County Battlefields Memorial National Military Park

Volume I of II



Water Resources Division and Servicewide Inventory and Monitoring Program

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EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Fredericksburg and Spotsylvania County Battlefields Memorial National Military Park (FRSP) 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 FRSP study area from the IFD, DRINKS, GAGES, and DAMS databases located 17 industrial/municipal dischargers; ten drinking water intakes; six active or inactive U. S. Geological Survey (USGS) and U.S. National Weather Service water gages (including stream and climate); and 19 water impoundments. The results of the STORET retrieval for the study area yielded 87,780 observations for 401 separate parameters collected by the NPS, USGS, EPA, Virginia Department of Environmental Quality (VDEQ), and Maryland Department of Natural Resources at 112 monitoring stations from 1967 through 1998. Approximately 75 percent of the 87,780 observations within the study area were collected by the VDEQ from 1968 through 1998. Of the 112 monitoring stations, 14 stations were located within the park boundaries (see Station Period of Record Tabulation). Twenty-four stations within the study area (one within the park boundaries) were established but contained no data.

Many of the monitoring stations with data represent either one-time or intensive single-year sampling efforts by the collecting agencies. Forty stations within the study area (three within the park boundaries) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longer-term records within the park boundaries are (1) North Wilderness Run at Wilderness Battlefield (FRSP 0094); (2) South Wilderness Run at Wilderness Battlefield (FRSP 0092); and (3) North Wilderness Run at Cattle Crossing (FRSP 0093). The stations yielding the longest-term records within the study area, but outside of the park boundaries are: (1) Claiborne Run at the State Route 3 Bridge (FRSP 0022); (2) Rappahannock River near Fredericksburg (FRSP 0045); (3) Rapidan River at the State Route 610 Bridge (FRSP 0080); (4) Ni River at the U. S. Route 1 Bridge (FRSP 0048); (5) Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027); and (6) Rappahannock River at the U. S. Route 1 Bridge (FRSP 0033)[†].

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or

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

1967 through 1998. Of the 1,184 observations used in the criteria analysis (see Remark Code screen in the Methodology for explanation), two total observations, 1,300 mg/L in Claiborne Run at the State Route 3 Bridge (FRSP 0022) and 494 mg/L in the Ni River at the State Route 208 Bridge (FRSP 0058), exceeded the secondary drinking water criterion of 250 mg/L in January and February 1989, respectively. The highest concentration of 1,300 mg/L also exceeded the acute freshwater criterion of 860 mg/L.

Total residual chlorine concentrations were measured 189 times at 17 monitoring stations from 1972 through 1988. Eighty-three observations at eight stations, near Fredericksburg (FRSP 0010, FRSP 0022, FRSP 0023, FRSP 0025, FRSP 0026, FRSP 0027), in the Ni River (FRSP 0058), and the Rapidan River (FRSP 0080), exceeded the acute freshwater criterion of .019 mg/L from 1975 through 1988. Approximately 69 percent of the observations exceeding the criterion were reported in Claiborne Run at the State Route 3 Bridge (FRSP 0022) from 1975 through 1988, including the highest concentration of 80 mg/L in June 1982.

Nitrate concentrations (including dissolved and total as N and dissolved as NO_3) were measured 3,032 times at 49 monitoring stations from 1967 through 1998. Of the 2,908 observations used in the criteria analysis (see Media Type screen in the Methodology for explanation), two total as N concentrations, 23.29 mg/L in Claiborne Run at the State Route 3 Bridge (FRSP 0022) and 13.29 mg/L in the Rappahannock River at Buoy 116 (FRSP 0002), exceeded the drinking water criterion of 10 mg/L for nitrate as N during January 1975 and May 1974, respectively.

Nitrite concentrations (including dissolved and total as N and dissolved as NO_2) were measured 3,182 times at 52 monitoring stations from 1970 through 1998. Of the 3,053 observations used in the criteria analysis (see Media Type screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), four total as N concentrations, ranging from 1.9 mg/L to 5.6 mg/L at two stations, Claiborne Run at the State Route 3 Bridge (FRSP 0022) and Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027), exceeded the drinking water criterion of 1 mg/L for nitrite as N from 1978 through 1986. The highest concentration of 5.6 mg/L was reported in Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027) in July 1983.

Cadmium concentrations (including dissolved, suspended, and total) were measured 328 times at 41 monitoring stations from 1970 through 1998. Of the 153 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), nine total concentrations at seven stations, near Fredericksburg (FRSP 0015, FRSP 0022, FRSP 0025, FRSP 0027, FRSP 0036, FRSP 0045) and in Mine Run (FRSP 0106), exceeded the acute freshwater criterion of 3.9 micrograms per liter (μg/L) and the drinking water criterion of 5.0 μg/L from 1972 through 1989. The highest concentration of 30 μg/L was reported twice, in Claiborne Run at the State Route 627 Bridge (FRSP 0025) and Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027) in March and October 1979, respectively.

Copper concentrations (including dissolved, suspended, and total) were measured 395 times at 41 monitoring stations from 1970 through 1998. Twenty-nine total concentrations at 13 stations exceeded the acute freshwater criterion of 18 μg/L from 1970 through 1993. Twenty-two of the concentrations exceeding the criterion were reported at nine stations near Fredericksburg (FRSP 0010, FRSP 0012, FRSP 0015, FRSP 0019, FRSP 0022, FRSP 0026, FRSP 0027, FRSP 0028, FRSP 0036) from 1970 through 1993, including the highest concentration of 90 μg/L in a tributary to Claiborne Run at the State Route 607 Bridge (FRSP 0019) in February 1991.

Lead concentrations (including dissolved, suspended, and total) were measured 372 times at 41 monitoring stations from 1970 through 1998. Fifteen concentrations at eight stations, near Fredericksburg (FRSP 0010, FRSP 0015, FRSP 0022, FRSP 0026, FRSP 0045), in the Ni River (FRSP 0048), Massaponax Creek (FRSP 0045), and the Rapidan River (FRSP 0048), exceeded the drinking water criterion of 15 μg/L from 1972 through 1984. Eleven of the concentrations exceeding the criterion were reported at five stations near Fredericksburg (FRSP 0010, FRSP 0015, FRSP 0022, FRSP 0026, FRSP 0045) from 1972 through 1984, including the highest concentration of 40 μg/L in the Rappahannock River at Buoy 121 (FRSP 0015) in August 1973.

Mercury concentrations (including dissolved, suspended, and total) were measured 380 times at 40 monitoring stations

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

Dissolved oxygen concentrations were measured 3,654 times at 71 monitoring stations from 1968 through 1998. Of the 3,540 observations used in the criteria analysis (see Media Type screen in the Methodology for explanation), 37 concentrations at 17 stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life from 1968 through 1998.

The pH was measured 5,250 times at 81 monitoring stations from 1967 through 1998. Of the 5,133 observations used in the criteria analysis (see Media Type screen in the Methodology for explanation), 965 observations at 59 stations throughout the study area were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1967 through 1998. Nine-hundred-forty-five observations were less than or equal to pH 6.5 from 1967 through 1998 and 20 observations were greater than or equal to pH 9.0 from 1973 through 1994. The lowest pH of 2.4 SU was reported in the Rappahannock River at the U. S. Route 1 Bridge in Fredericksburg (FRSP 0033) in January 1995. The highest pH of 11 SU was reported in Claiborne Run at the State Route 627 Bridge (FRSP 0028) in March 1973.

Turbidity was measured 1,080 times at 33 monitoring stations from 1970 through 1998. Of the 1,031 observations used in the criteria analysis (see Remark Code and Media Type screens in the Methodology for explanation), 79 observations at ten stream stations, near Fredericksburg (FRSP 0022, FRSP 0027, FRSP 0033, FRSP 0036, FRSP 0043, FRSP 0045), in the Rapidan River (FRSP 0080), Mountain Run (FRSP 0112), Mine Run (FRSP 0107), and the Ni River (FRSP 0058), exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units (JTU/FTU/NTU) from 1971 through 1998. Approximately 68 percent of the observations exceeding the criterion were reported at two stations in the Rappahannock River near Fredericksburg (FRSP 0033, FRSP 0045) from 1978 through 1996, including the highest value of 957 FTU at the U. S. Route 1 Bridge (FRSP 0033) in June 1995.

Total coliform concentrations were measured 151 times at 16 monitoring stations from 1968 through 1987. Ninety-one observations at 12 stations exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1968 through 1977. Approximately 71 percent of the observations exceeding the criterion were reported at eight stations near Fredericksburg (FRSP 0010, FRSP 0012, FRSP 0015, FRSP 0022, FRSP 0023, FRSP 0026, FRSP 0028, FRSP 0036) from 1968 through 1977, including the highest value of 460,000 MPN/100 ml in the Rappahannock River at Buoy 121 (FRSP 0015) in July 1968. Fecal coliform concentrations were determined 2,110 times at 53 monitoring stations from 1970 through 1998. Of the 2,107 observations used in the criteria analysis (see Remark Code and Media Type screens in the Methodology for explanation), 795 observations at 40 stations throughout the study area exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1970 through 1998. The highest value of 110,000 CFU/100 ml was reported one hundred yards below the Fredericksburg Sewage Treatment Plant (FRSP 0023) in August 1976.

Total alkalinity was determined by low-level (less than 10 mg/L as $CaCO_3$) gran analysis four times at two stream stations south of the Fredericksburg Battlefield Unit (FRSP 0014, FRSP 0024) during 1986. All four observations, ranging from 3.5 microequivalents per liter (μeq/L) to 30.5 μeq/L at the two stations, were below the NPS Air Resources Division's 200 μeq/L threshold, indicating sensitivity to acid deposition. The lowest value of 3.5 μeq/L was reported at an unnamed stream approximately 2.5 miles south of the Fredericksburg Battlefield Unit (FRSP 0024) in March 1986.

Chloride concentrations (including dissolved and total) were measured 1,186 times at 42 monitoring stations from

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from 1970 through 1998. Seven total concentrations, ranging from 2.2 μg/L to 4.4 μg/L at seven stations, near Fredericksburg (FRSP 0012, FRSP 0028, FRSP 0047), in the Rappahannock River (FRSP 0002), Poni River (FRSP 0020), Motts Run Reservoir (FRSP 0055), and the Po River (FRSP 0072), exceeded the drinking water criterion of 2 μg/L from 1975 through 1991. Five of these seven concentrations also exceeded the acute freshwater criterion of 2.4 μg/L from 1975 through 1991. The highest concentration of 4.4 μg/L was reported near Fredericksburg in the Rappahannock River at the State Route 2 Bridge (FRSP 0047) in September 1978.

Nickel concentrations (including dissolved, suspended, and total) were measured 283 times at 40 monitoring stations from 1973 through 1998. Three concentrations, ranging from 100 μg/L to 110 μg/L at three stations, in Claiborne Run (FRSP 0022), Mine Run (FRSP 0107), and Mountain Run (FRSP 0112), equaled or exceeded the drinking water criterion of 100 μg/L during 1978 and 1979. The highest concentration of 110 μg/L was reported in Claiborne Run at the State Route 3 Bridge (FRSP 0022) in October 1979.

Thallium concentrations (including dissolved and total) were measured 32 times at 20 monitoring stations from 1978 through 1998. Two total concentrations near Fredericksburg, 3 μg/L in Claiborne Run at the State Route 3 Bridge (FRSP 0022) and 2 μg/L in Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027), equaled or exceeded the drinking water criterion of 2.0 μg/L in July 1983.

Zinc concentrations (including dissolved, suspended, and total) were measured 463 times at 41 monitoring stations from 1970 through 1998. Seven concentrations, ranging from 120 μg/L to 200 μg/L at four stations, in the Rappahannock River near Fredericksburg (FRSP 0015, FRSP 0045) and the Ni River near Spotsylvania (FRSP 0048, FRSP 0058), equaled or exceeded the acute freshwater criterion of 120 μg/L from 1972 through 1980. The highest concentration of 200 μg/L was reported in the Rappahannock River near Fredericksburg (FRSP 0045) in May 1980.

The IDEA conducted for FRSP indicates that STORET data exist for all 13 Level I parameter groups in the study area. Overall, approximately 60 percent of the observations for Level I parameter groups were recorded since 1985. Data for three groups (Flow, Chlorophyll, and Toxic Elements) were recorded at less than half of the 88 monitoring stations with data. Relative to other parameter groups, data were limited for the group Chlorophyll. Results for 121 of the 126 EPA priority toxic pollutants (consisting of organic parameters, metals, pesticides, and PCB's) were retrieved from STORET.

Surface water resources in the FRSP study area include the Ni, Rapidan, Rappahannock, and other rivers; North and South Wilderness, Claiborne, Massaponax, and numerous other runs and creeks; Lake of the Woods, Ni River, Motts Run, and many other reservoirs; many ponds; and some springs and wetlands. The data inventories and analyses contained in this report indicate that surface waters within the study area have been impacted by human activities. Potential anthropogenic sources of contaminants include municipal and industrial wastewater discharges; stormwater runoff; urban and residential development; mining and gravel pit operations; agricultural activities; recreational use; and atmospheric deposition.

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INTRODUCTION

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

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterizebaseline 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;

national EPA water quality criteria for appropriate designated uses[2] and with the Servicewide Inventory and 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.

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

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

Kelli O'Connor, J. Chris Echohawk, Adam Henson, Ryan Shy, Lisa Dummer, Eric Lord, Adriane Petersen, Ronda

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[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.

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

[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.

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;

Burns, Aria Brissette, Nancy O'Keeffe, Brett Atkinson, Paul Sorek, and Cara Ellis uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

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

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

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

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

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

Other National Park Service:

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

(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

- 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

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.

(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

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.

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.

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.

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 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

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.

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.

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.

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.

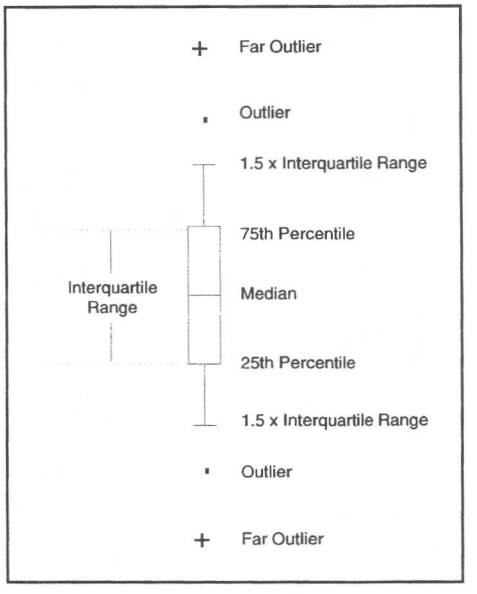
Water Quality Monitoring Locations Map(s)

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

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.



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

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.

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 $\mu eq/l\ H^+$; and (3) $\mu eq/l\ H^+$. 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 $\mu eq/l\ H^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu eq/l\ H^+$, 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

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.

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 labelling 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, $\mu eq/l\ H^+$ 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).

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

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

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 labelled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labelled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labelling 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

WATER QUALITY RESULTS

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.

OVERVIEW FOR FRSP

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:	286233	8686
# STORET Stations:	112	14
# Stations With No Data:	24	1
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	40	3
Date of STORET Retrieval:	07/22/99	07/22/99
Period of Record:	10/04/67-12/17/98	05/22/91-04/25/96
# Parameters Measured:	401	66
# Water Quality Observations:	87780	1570
# Industrial/Municipal Facilities:	17	0
# Drinking Water Intakes:	10	0
# Water Gages:	6	0
# Water Impoundments:	19	1
# Total Plots:	142	0
# Time Series:	55	0
# Annual:	42	0
# Seasonal:	45	0

Hydrologic Definition of Seasons:

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

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 22 years and at least 136 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 12 years.

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

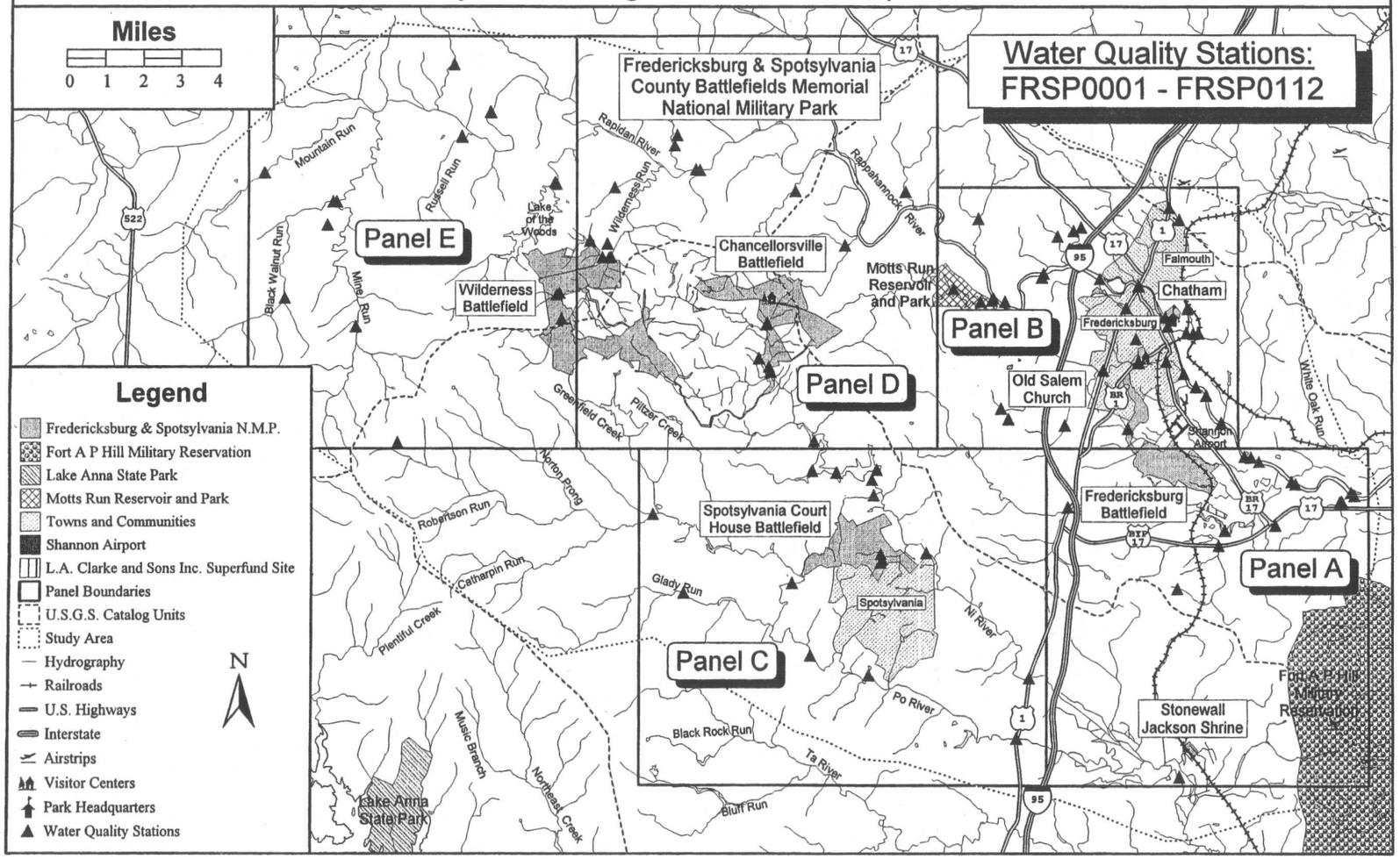
Seasonal Analysis Criteria:

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

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

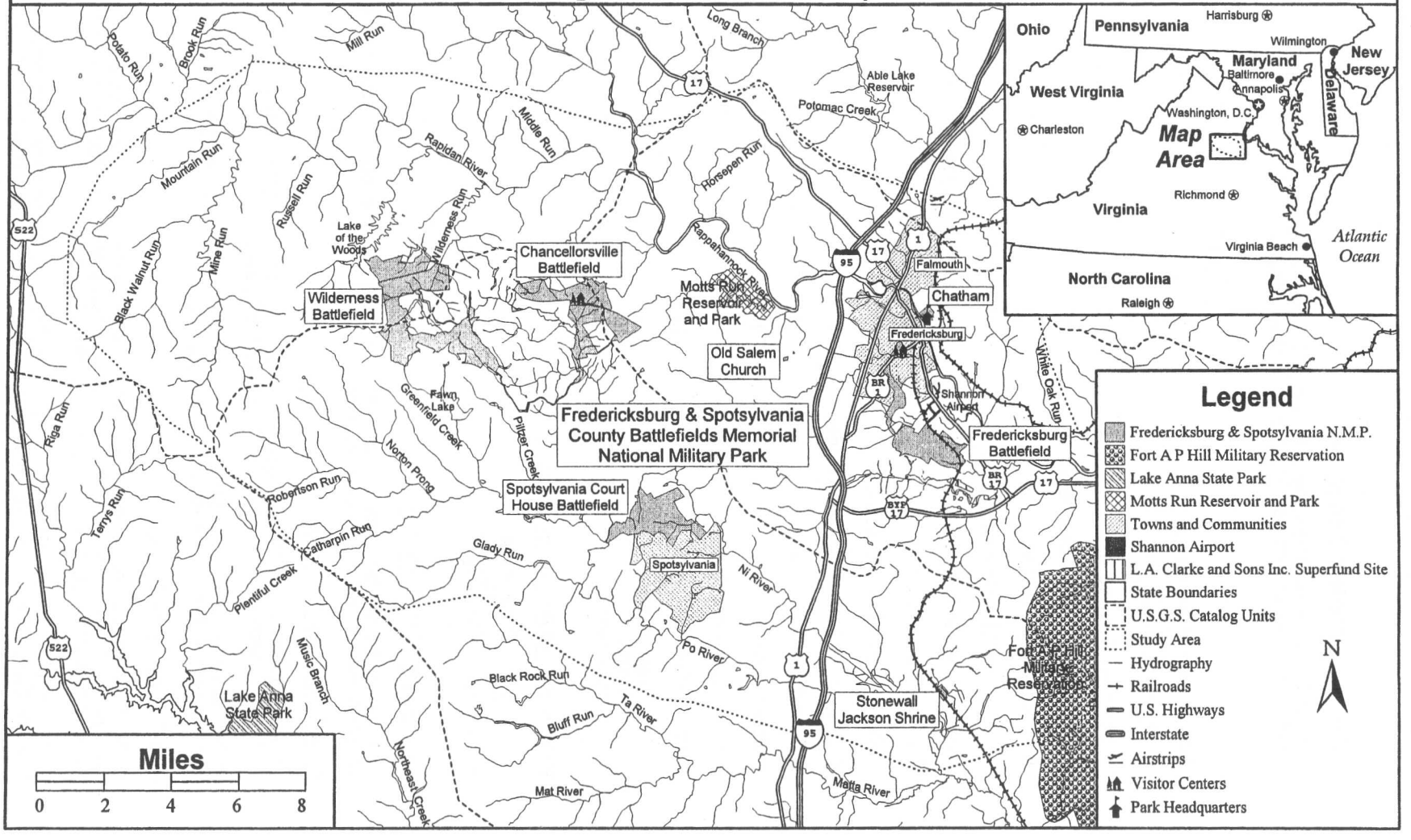
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Water Quality Monitoring Locations - Graphic Panel Index



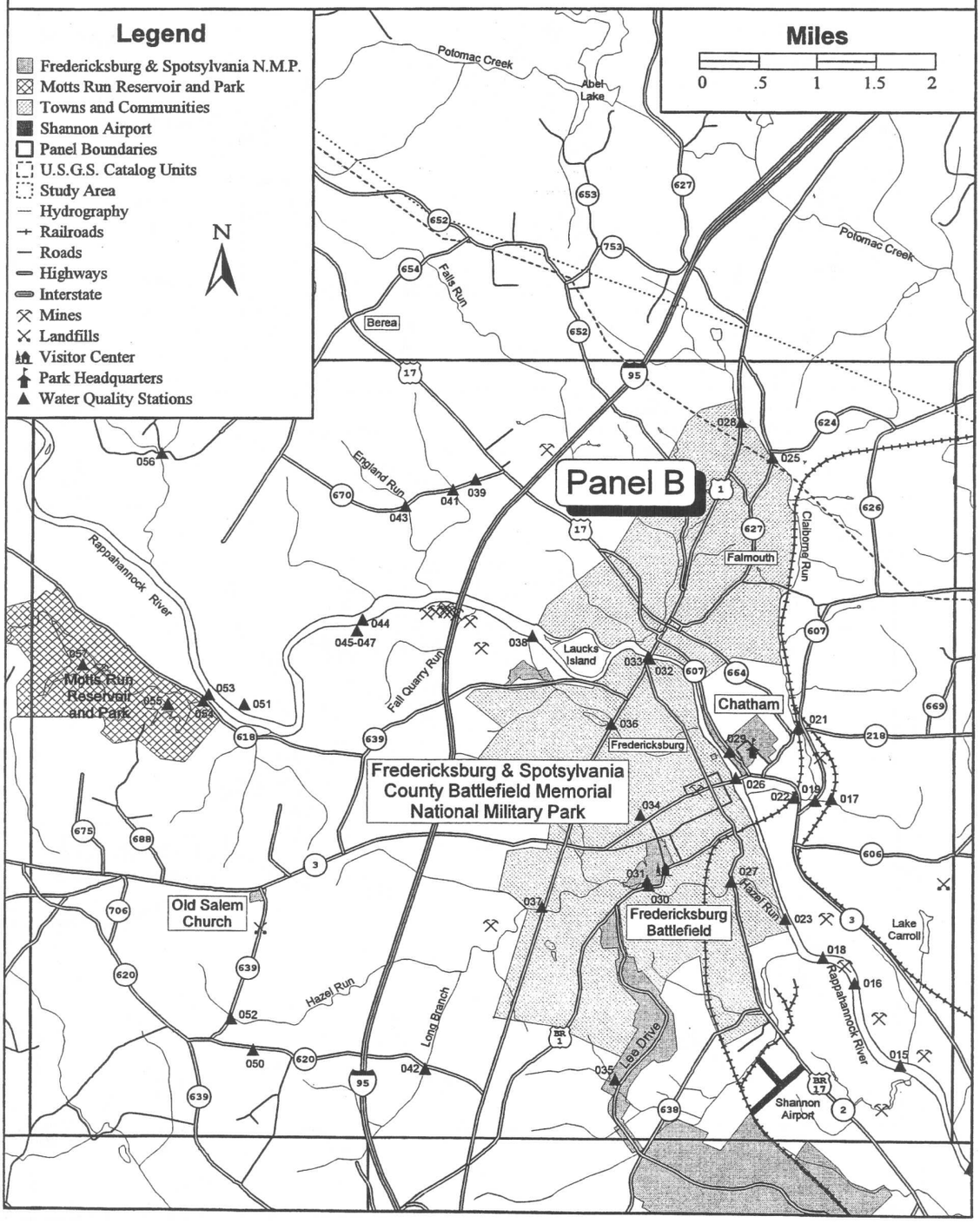
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Regional Location Map



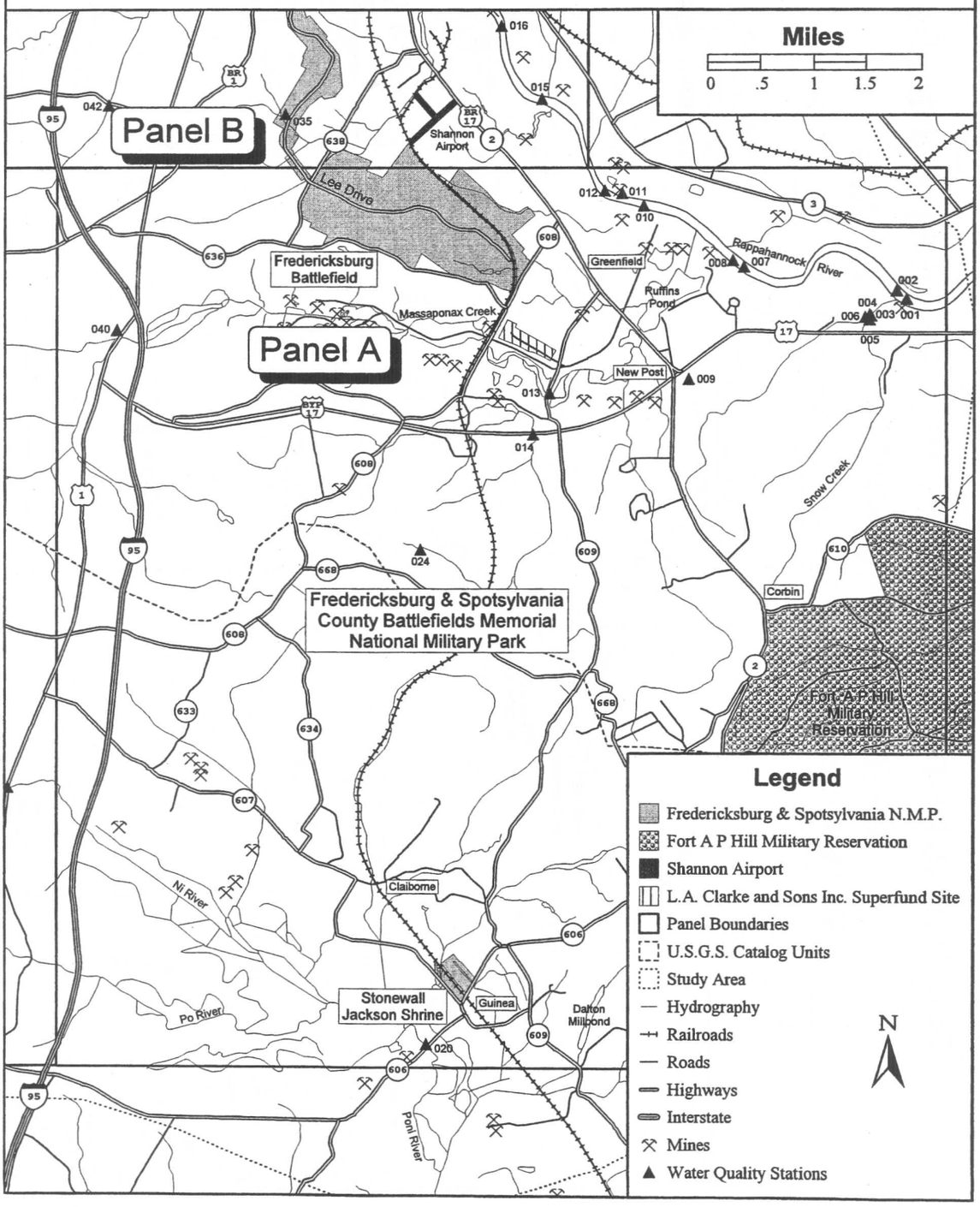
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Water Quality Monitoring Locations



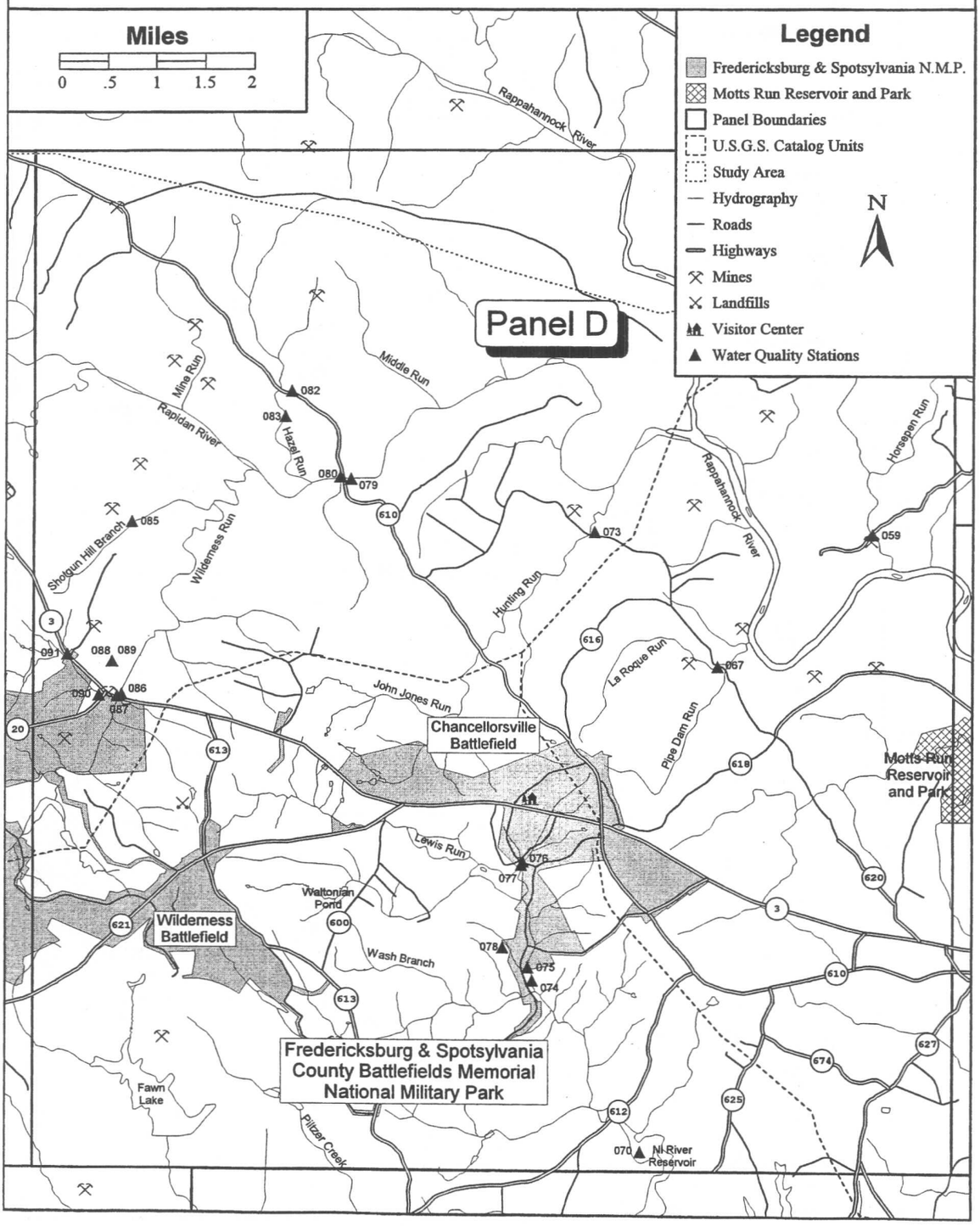
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Water Quality Monitoring Locations



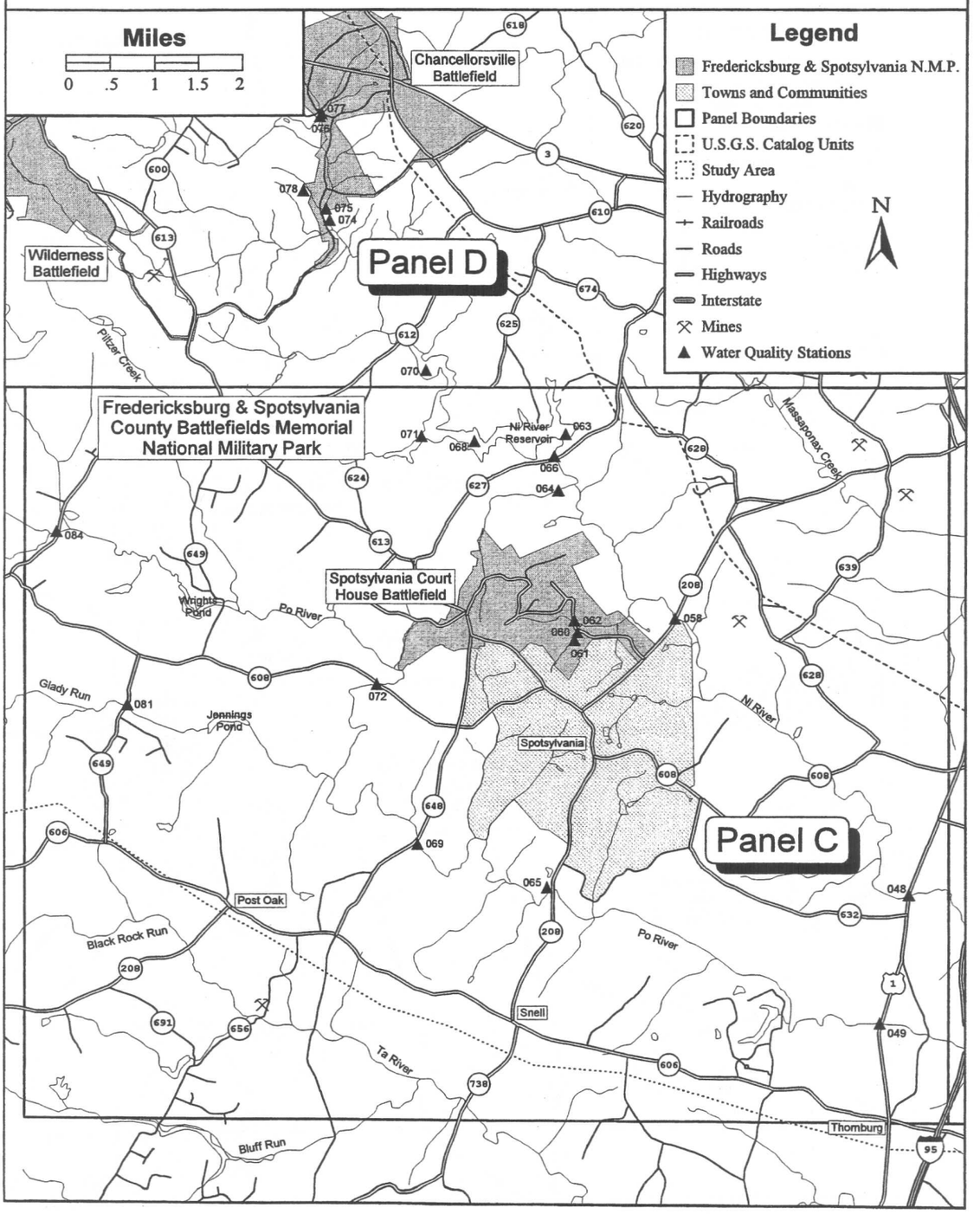
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Water Quality Monitoring Locations



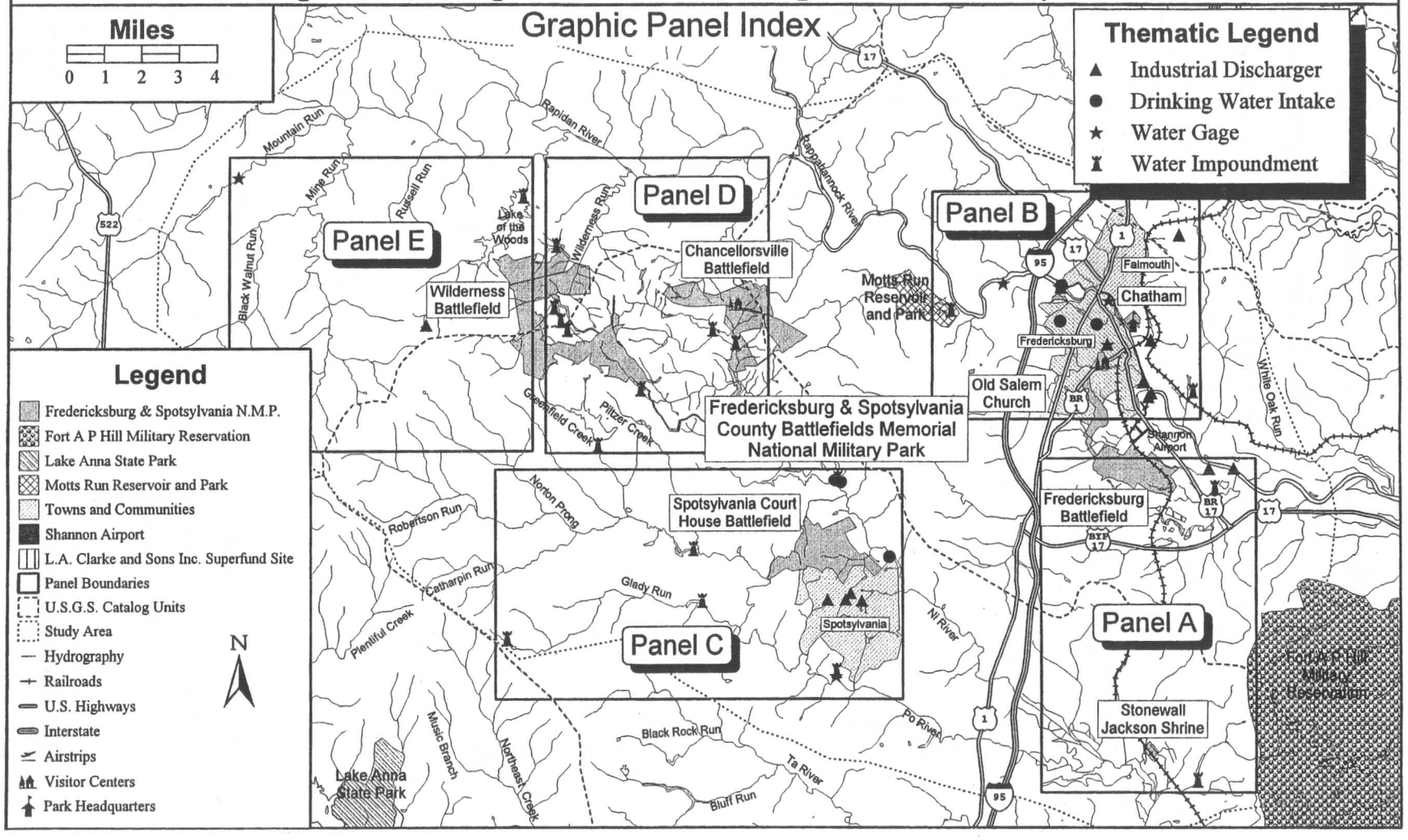
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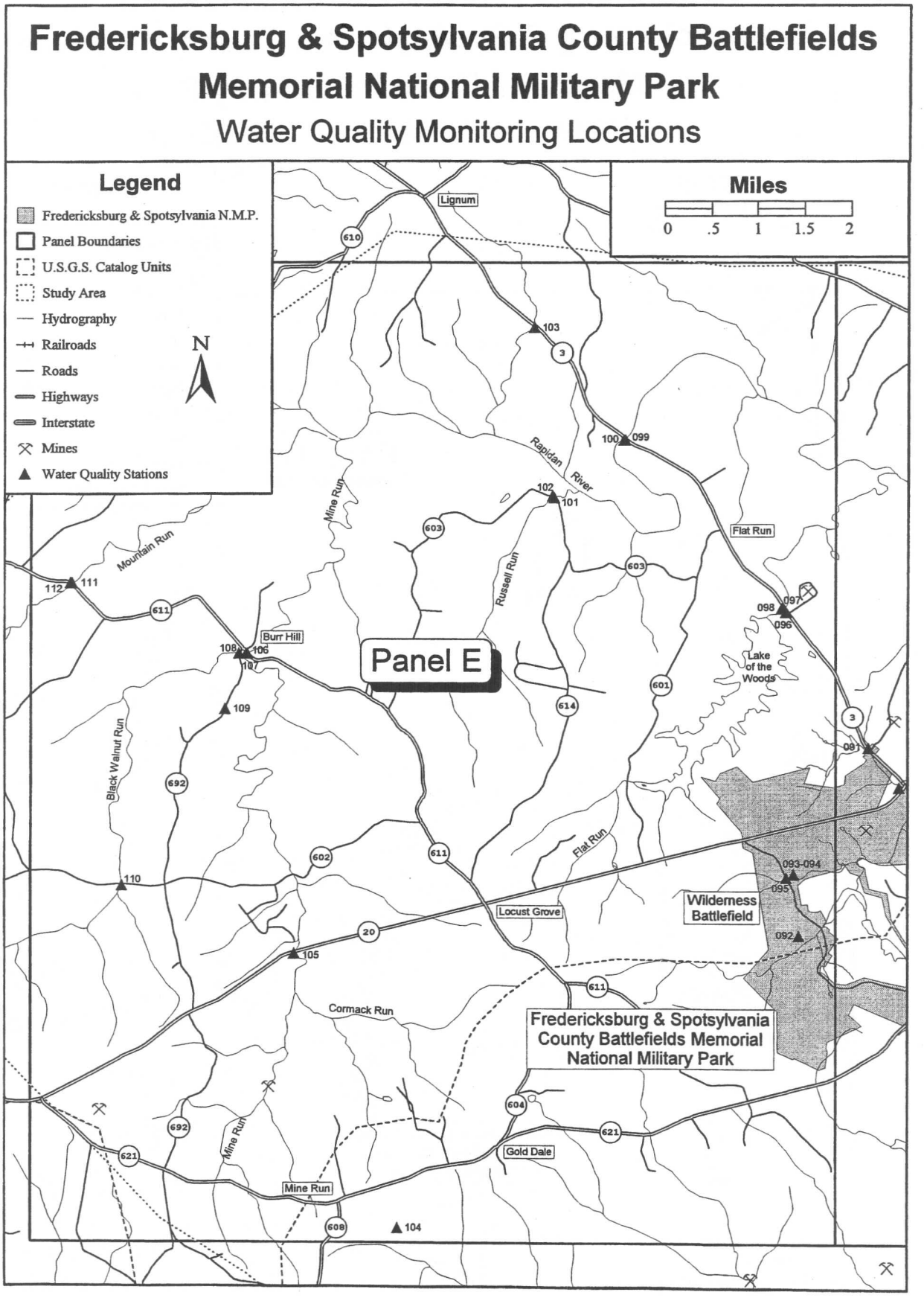
Water Quality Monitoring Locations



Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

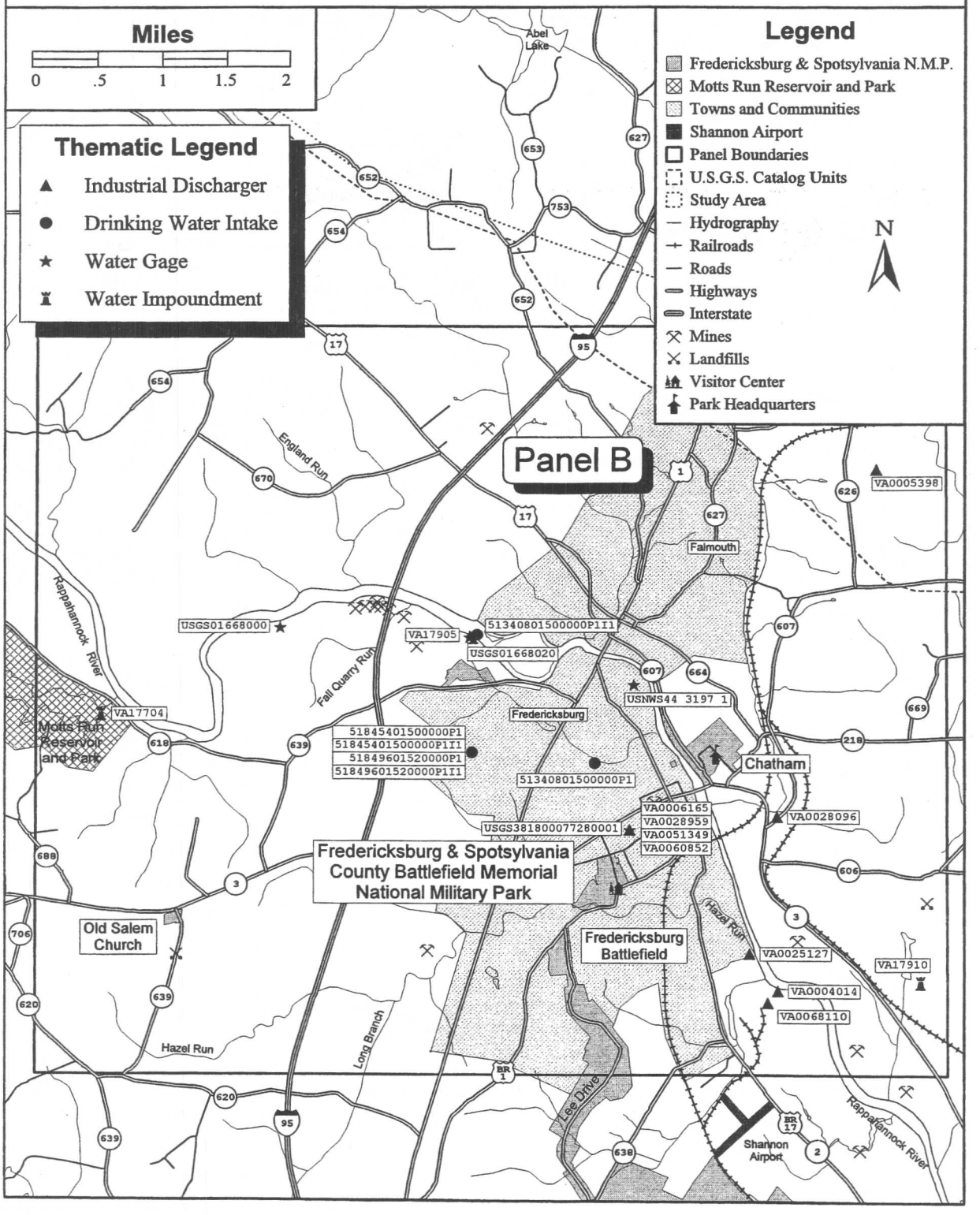
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments




Fredericksburg & Spotsylvania County Battlefields
Memorial National Military Park
Water Quality Monitoring Locations
Legend
Fredericksburg & Spotsylvania N.M.P.
Panel Boundaries
U.S.G.S. Catalog Units
Study Area
Hydrography
Railroads
Roads
Highways
Interstate
Mines
Water Quality Stations
N
Miles
0 .5 1 1.5 2
Panel E
Lignum
Rapidan River
Mine Run
Mountain Run
Russell Run
Flat Run
Burr Hill
Black Walnut Run
Locust Grove
Cormack Run
Gold Dale
Lake of the Woods
Wilderness Battlefield
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park
610
611
603
601
614
692
602
20
621
604
608
3
099
100
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104
105
106
107
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092
093-094
095
096
097
098

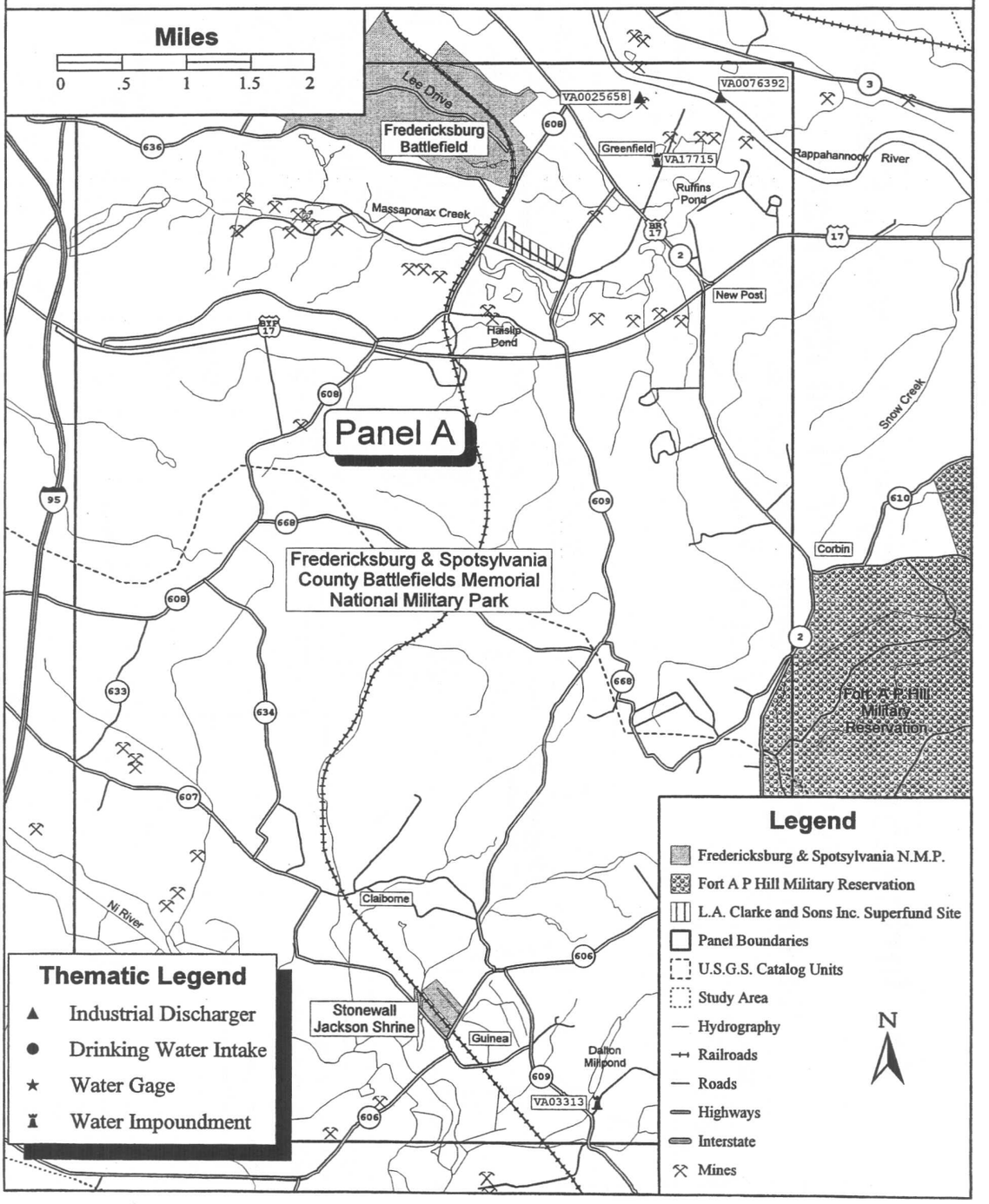
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Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



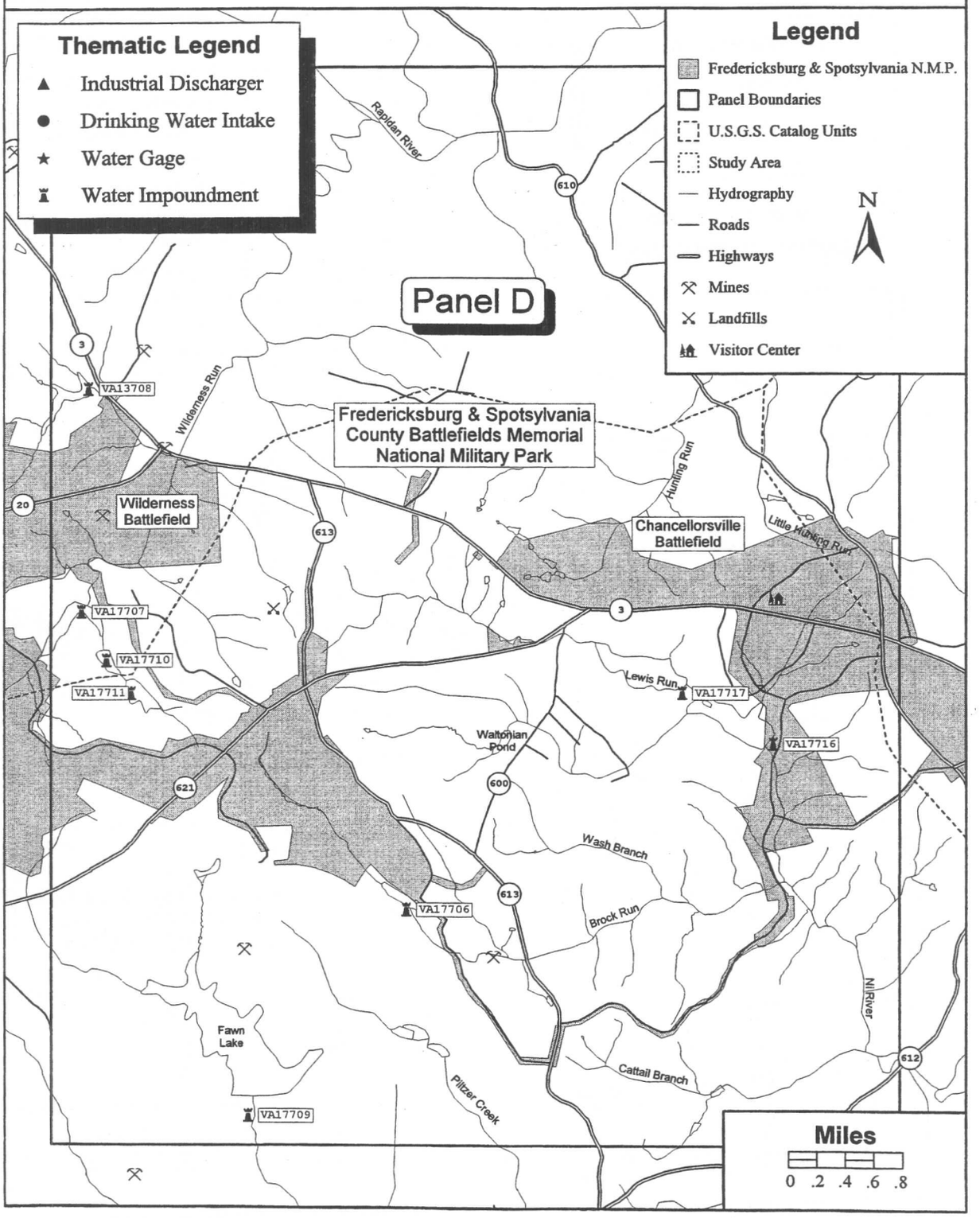
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Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



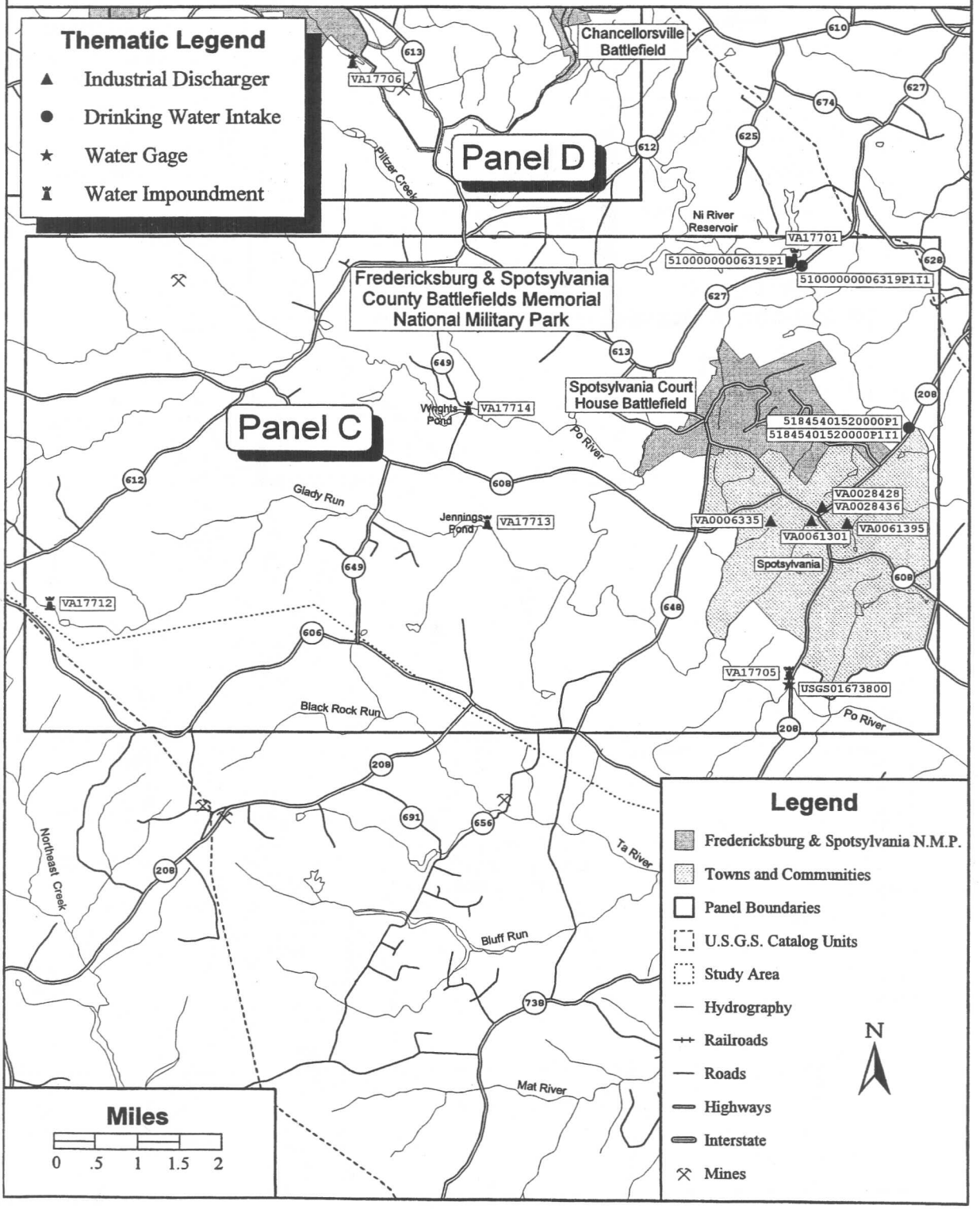
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
VA0004014	FMC CORP FREDERICKSBURG	1617 JOHN F KENNEDY BLVD	FREDERICKSBURG	RAPPAHANNOCK R
VA0005398	L. A.CLARKE & SON, INC	P O BOX 217	FREDERICKSBURG	MASSAPONAX CK
VA0006165	FREDERICKSBURG WATER FILTRATIO	606 CAROLINE ST	FREDERICKSBURG	RAPPAHANNOCK R
VA0006335	NI RIVER WATER TRTMT PLT	600 HUDGINS RD	FREDERICKSBURG	NI RIVER
VA0025127	FREDERICKSBURG CITY STP	RT 700	FREDERICKSBURG	RAPPAHANNOCK R
VA0025658	SPOTSYLVANIA COUNTY MESSAPONOX	RT 2 & RT 17	FREDERICKSBURG	RAPPAHANNOCK R
VA0028096	CLAIBORNE RUN SEWAGE TREATMENT	.....	.....	.....
VA0028428	ALDRICH SEWAGE LAGOON COUNTY S	.....	SPOTSYLVANIA	NI R
VA0028436	WISHNER SEWAGE LAGOON COUNTY S	.....	SPOTSYLVANIA	NI R
VA0028959	GRANINGER SEWERAGE SERVICE CO.	PAYTON DR	FREDERICKSBURG	CLAIBORNE RN
VA0029424	LAKE OF THE WOODS SERVICE CO	.....	LOCUSTGROVE	FLAT RN C
VA0051349	OAKLAND PARK SUBDIVISION	.....	FREDERICKSBURG	MUDDY C
VA0060852	PELLA INVESTMENT CO.	5035 PLANK RD	SPOTSYLVANIA	MINE RN
VA0061301	BERKELEY ELEMENTARY SCH			
VA0061395	LAKE WILDERNESS DISPOSAL PLANT	.....	SPOTSYLVANIA	WILDERNESS RN
VA0068110	FMC WASTEWATER TREATMENT PLANT	600 HUDGINS ROAD/ATTN: LA	FREDERICKSBURG	RAPPAHANNOCK RIVER
VA0076392	LITTLE FALLS RUN STP			

Drinking Water Intakes

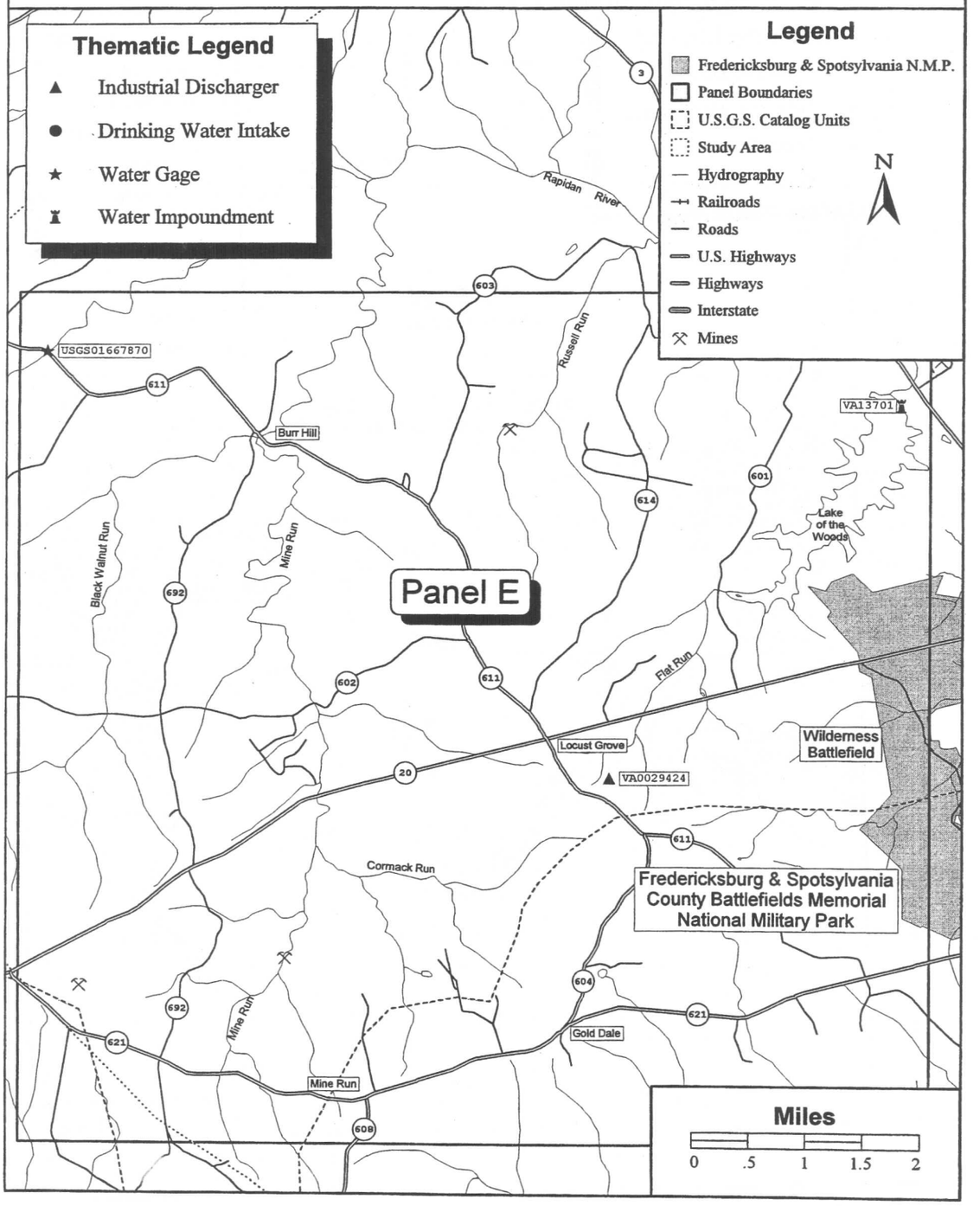
Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
51000000006319P1	TREATMENT PLANT	FREDRICKBURG	10300	0000.00
51000000006319P1I1	NI RIVER WTP	FREDRICKBURG	10300	0000.00
51340801500000P1	TREATMENT PLANT	FRDRICKSBRG	17210	0000.00
51340801500000P1I1	RAPPAHANNOCK RI	FRDRICKSBRG	17210	0000.00
51845401500000P1	CITY OF FREDERICK	SPOTSYLVANIA	2940	6000.00
51845401500000P1I1	RAPPAHANNOCK RIV	SPOTSYLVANIA	2940	6000.00
51845401520000P1	TREATMENT PLANT	FREDERICKSBUR	296	5670.00
51845401520000P1I1	NI RIVER WATER	FREDERICKSBUR	296	5670.00
51849601520000P1	TREATMENT PLANT	STAFFORD	2139	9500.00
51849601520000P1I1	CITY OF FREDERI	STAFFORD	2139	9500.00

Water Gages

Site ID	Station Name		Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS01668000	RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA		Stream	1596.00	1907	1998
USGS01673800	PO RIVER NEAR SPOTSYLVANIA, VA			77.40	1962	1998
USNWS44 3197 1	FREDERICKSBURG VA ON		Stream			
USGS01667870	MOUNTAIN RUN NEAR BURR HILL, VA		Stream	28.80	1989	1992
USGS01668020	RAPPAHANNOCK R AT VEPCO DAM AT FREDERICKBURG, VA		Stream			
USGS381800077280001	FREDERICKSBURG, VA	01668200	Climate			

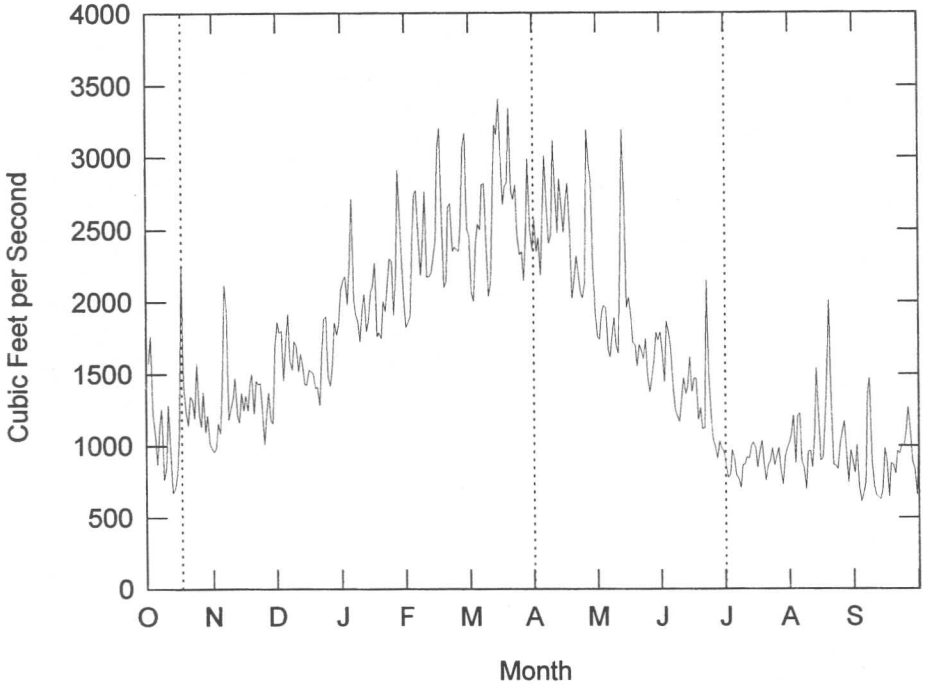
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

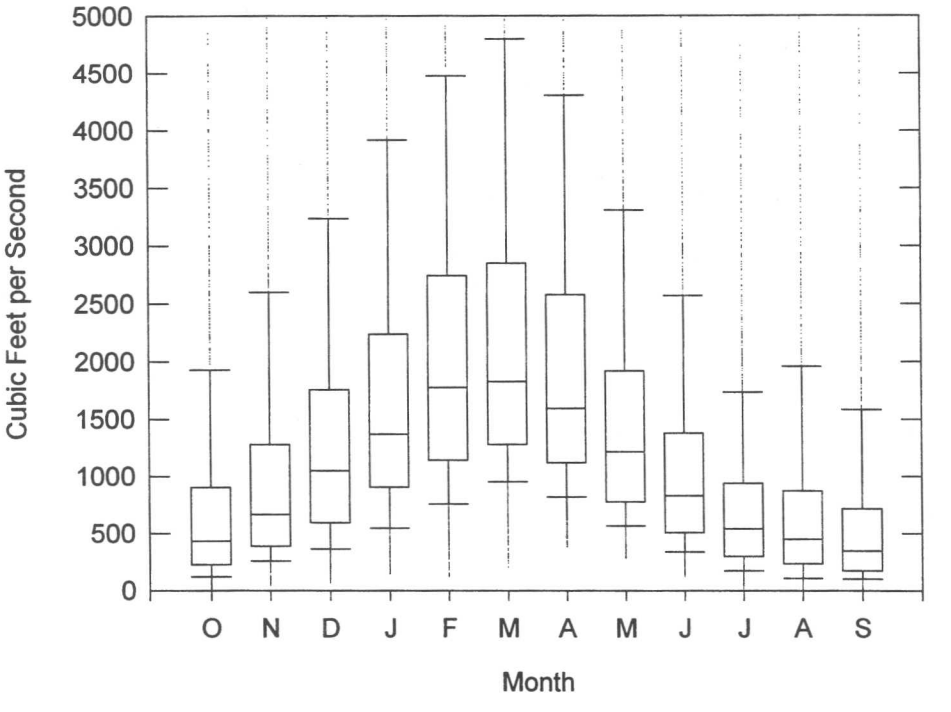
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

FREDERICKSBURG and SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK
Rappahonnock River near Fredericksburg, VA
01668000, 78 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 Fredericksburg and Spotsylvania County Battlefields Memorial National Military Park are: Jul. 1 to Oct. 14, Oct. 15 to Mar. 31, and Apr. 1 to Jun. 30.

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

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
VA03313	DALTONS DAM	WALTER PURKS	Rec.	Earth	Low	1800
VA13701	LAKE OF THE WOODS DAM	LAKE OF THE WOODS.INC.	Rec.	Earth	High	1968
VA13708	LAKE OF THE WOODS DAM # 2	LAKE OF THE WOODS ASSN	Rec.	Earth	Significant	1970
VA17701	NI RIVER DAM	SPOTSYLVANIA COUNTY	Supply	Earth	Significant	1972
VA17704	MOTTS RUN DAM	CITY OF FREDRICKSBURG	Flood	Earth	High	1971
VA17705	GORDONS DAM	RO GORDON	Rec.	Earth	Low	1950
VA17706	ASHBYS DAM	UNKNOWN	Rec.	Earth	Significant	1950
VA17707	WILDERNESS PARK ESTATES DAM	WILDERNESS PARK ESTATES	Rec.	Earth	Significant	1969
VA17709	FAWN LAKE DAM	INTERNATL' PAPER REALITY	Rec.	Earth	Significant	1975
VA17710	LEE LAKE DAM	WILDERNESS PARK P.O.A.	Rec.	Earth	Significant	1967
VA17711	GRANT LAKE DAM	WILDERNESS PARK P.O.A.	Rec.	Earth	Significant	1967
VA17712	RAMS LAKE DAM	CHARLES B.HAAS	Rec.	Earth	Low	1960
VA17713	JENNINGS POND DAM	JENNINGS POND ENTPS.INC.	Rec.	Earth	Low	1875
VA17714	WRIGHTS POND DAM	VALLEY PO ASSOC.INC.	Rec.	Gravity	Low	1932
VA17715	E.H.MILLS MEMORIAL DAM	MASSAPONAX SAND&GRAVEL C	Rec.	Earth	Low	1930
VA17716	COOL SPRING LAKE DAM	RECREATIONAL RESORTS,LTD	Rec.	Earth	Low	1976
VA17717	HAZEL GROVE LAKE DAM	RECREATIONAL RESORTS,LTD	Rec.	Earth	Significant	1976
VA17905	EMBRY DAM	CITY OF FREDERICKSBURG	Supply	Buttress	Significant	1925
VA17910	KENNEDY DAM	EULAH P KENNEDY	Rec.	Earth	Significant	1954

QUANTITY OF DATA RETRIEVED FOR FRSP BY AGENCY CODE

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

Agency	Organization	Period of Record Study Area	Period of Record Park Only	Water Quality Stations S.A.	Water Quality Stations Park	Longer Term[1] Stations S.A.	Longer Term[1] Stations Park	No Data Stations S.A.	No Data Stations Park	Water Quality Observations S.A.	Water Quality Observations Park	Water Quality Parameters S.A.	Water Quality Parameters Park
21VASWCB	VA DEPT OF ENVIRONMENTAL	07/01/68-12/17/98	05/22/91-05/22/91	56	2	28	0	9	1	65574	56	214	56
12NSS	EPA ENVIRONMENTAL RES LAB	03/21/86-04/04/86	No Data in Park	2	0	0	0	0	0	106	0	27	0
11NPSWRD	NATIONAL PARK SERVICE	09/01/77-04/25/96	01/20/93-04/25/96	21	12	6	3	0	0	3132	1514	25	15
1113RAWQ	USEPA REGION 3	07/29/70-08/28/70	No Data in Park	4	0	0	0	0	0	48	0	8	0
11121TWQ	USEPA REGION 3	03/26/70-01/13/71	No Data in Park	1	0	0	0	0	0	236	0	15	0
112WRD	US GEOLOGICAL SURVEY	10/04/67-04/28/94	No Data in Park	12	0	6	0	0	0	18055	0	160	0
11121OWQ	USEPA HQ	06/12/69-09/07/78	No Data in Park	1	0	0	0	0	0	629	0	137	0
1113VABD	USEPA REGION 3	No Data in S.A.	No Data in Park	11	0	0	0	11	0	0	0	0	0
1113PESE	USEPA REGION 3	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
1113REG3	USEPA REGION 3	No Data in S.A.	No Data in Park	2	0	0	0	2	0	0	0	0	0
CHESBAY	MD DEPT OF NR	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
Totals		10/04/67-12/17/98	05/22/91-04/25/96	112	14	40	3	24	1	87780	1570	401	66

[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.

CONTACTS FOR AGENCY CODES RETRIEVED FOR FRSP

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
21VASWCB	POLLOCK, VERA	VA DEPT OF ENVIRONMENTAL	(804)698-4566	(804)698-4473
12NSS	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(541)754-4427	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
1113RAWQ	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
11121TWQ	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
11121OWQ	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050	(800)424-9067
1113VABD	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
1113PESE	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
1113REG3	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
CHESBAY	BOSTATER, CHARLES	MD DEPT OF NR	(301)269-3767	

* DATA FOR 11121OWQ HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (703)883-8861 ON 03/14/86.

Station Period of Record Tabulation
From 10/04/67 To 12/17/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75
FRSP0072[1]	RT. 608 BRIDGE	No	252	0	252	0
FRSP0073	610 BR NEAR RICHARDSVILLE. A	No	0	0	0	0
FRSP0074	STREAM AT EXIT FROM WETLAND AT CATHERINE FURNACE	No	148	148	0	0
FRSP0075	STREAM ENTRANCE TO WETLAND AT CATHERINE FURNACE	Yes	148	148	0	0
FRSP0076	STREAM AT ENTRANCE TO WETLAND AT HAZEL GROVE	Yes	102	102	0	0
FRSP0077	STREAM AT EXIT FROM WETLAND AT HAZEL GROVE	Yes	130	130	0	0
FRSP0078[1]	NI RIVER EAST OF CHANCELLORSVILLE BATTLEFIELD	No	272	272	0	0
FRSP0079	672 BR NEAR WARRENTON TRG CENTER	No	0	0	0	0
FRSP0080[1]	RT. 610 BRIDGE	No	6571	4453	2085	33
FRSP0081	ROUTE 649	No	41	0	41	0
FRSP0082	R AT KELLYS FORD BRIDGE	No	0	0	0	0
FRSP0083	RT. 610 (CULPEPER CO)	No	15	0	15	0
FRSP0084[1]	RT. 612 BRIDGE - CORBIN BRIDGE	No	814	814	0	0
FRSP0085	SHOTGUN HILL BRANCH NEAR WILDERNESS, VA	No	10	10	0	0
FRSP0086[1]	WILDERNESS RUN AT WILDERNESS, VA	No	176	176	0	0
FRSP0087	RT. 3 (ORANGE/SPOTSYLVANIA CO)	No	77	56	21	0
FRSP0088[1]	KEATON'S RUN AT CATTLE CROSSING	No	285	285	0	0
FRSP0089[1]	KEATON'S RUN	No	285	285	0	0
FRSP0090	KEATON RUN AT WILDERNESS, VA	No	10	10	0	0
FRSP0091	KEATONS RUN TRIB AT WILDERNESS, VA	No	5	5	0	0
FRSP0092[1]	SOUTH WILDERNESS RUN AT WILDERNESS BATTLEFIELD	Yes	243	243	0	0
FRSP0093[1]	NORTH WILDERNESS RUN AT CATTLE CROSSING	Yes	205	205	0	0
FRSP0094[1]	NORTH WILDERNESS RUN AT WILDERNESS BATTLEFIELD	Yes	304	304	0	0
FRSP0095	HILL EWELL DRIVE (ORANGE CO)	Yes	56	56	0	0
FRSP0096	PIPE DAM RUN VA 620 BR	No	0	0	0	0
FRSP0097[1]	FLAT RUN NEAR FLAT RUN, VA	No	186	186	0	0
FRSP0098	RT. 3 (ORANGE CO)	No	21	0	21	0
FRSP0099	RAPIDAN R AT RT 3 BRIDGE	No	0	0	0	0
FRSP0100	647 BR NEAR LIGNUM VA	No	0	0	0	0
FRSP0101	RUSSELL RUN NEAR FLAT RUN, VA	No	156	156	0	0
FRSP0102	RT. 603 (ORANGE CO)	No	21	0	21	0
FRSP0103	ROUTE 3 (CULPEPER COUNTY)	No	78	0	78	0
FRSP0104	WICOMICO CREEK AT NUN 2W	No	236	0	0	236
FRSP0105	MINE RUN NEAR LOCUST GROVE, VA	No	9	9	0	0
FRSP0106[1]	MINE RUN AT BURR HILL, VA	No	195	195	0	0
FRSP0107[1]	RT. 611 BRIDGE	No	2246	1837	376	33
FRSP0108	ROUTE 692 (ORANGE COUNTY)	No	19	0	19	0
FRSP0109	VAOR507R	No	12	0	12	0
FRSP0110[1]	BLACK WALNUT RUN NR RHOADESVILLE, VA	No	76	76	0	0
FRSP0111[1]	MOUNTAIN RUN NEAR BURR HILL, VA	No	174	174	0	0
FRSP0112[1]	ROUTE 611	No	1281	1019	262	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.

Station Period of Record Tabulation
From 10/04/67 To 12/17/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75
FRSP0001	FOX SPRING "116" R03	No	14	0	0	14
FRSP0002!	BUOY 116	No	725	0	123	602
FRSP0003	UNNAMED TRIB AT WETLAND EXIT AT BERGER PRESERVE	No	154	154	0	0
FRSP0004	SNOW CREEK AT EXIT OF WETLAND AT BERGER PRESERVE	No	154	154	0	0
FRSP0005	SNOW CRK AT WETLAND ENTRANCE AT BERGER PRESERVE	No	154	154	0	0
FRSP0006	UNNAMED TRIB AT WETLAND ENTRANCE AT BERGER PRSRV	No	154	154	0	0
FRSP0007	BELVEDERE "118" R2A	No	13	0	0	13
FRSP0008!	BUOY 118	No	1046	0	402	644
FRSP0009	MATTOX CREEK, RT. 625	No	5	5	0	0
FRSP0010!	100 YARDS BELOW MASSAPONOX STP	No	5751	4543	1208	0
FRSP0011	FOX SPRING "120" R02	No	14	0	0	14
FRSP0012!	BUOY 120	No	730	0	123	607
FRSP0013!	RT. 609 (SPOTSYLVANIA COUNTY)	No	998	998	0	0
FRSP0014	NO NAME	No	54	54	0	0
FRSP0015!	BUOY 121	No	607	0	0	607
FRSP0016	RADIO TOWER NEAR PLANT R1A	No	7	0	0	7
FRSP0017	ABOVE RAILROAD TRACKS (FREDERICKSBURG CITY)	No	87	87	0	0
FRSP0018!	100 YARDS BELOW FMC DISCHARGE	No	654	125	516	13
FRSP0019	ROUTE 607 (FREDERICKSBURG CITY)	No	99	99	0	0
FRSP0020!	RT. 606 BRIDGE	No	659	60	599	0
FRSP0021!	ROUTE 218 (STAFFORD COUNTY)	No	131	0	111	20
FRSP0022!	RT. 3 BRIDGE	No	6021	2588	2424	1009
FRSP0023!	100 YDS. BELOW FREDERICKSBURG STP	No	3956	3578	378	0
FRSP0024	NO NAME	No	52	52	0	0
FRSP0025!	ROUTE 627	No	2091	554	1537	0
FRSP0026!	RT. 3 BRIDGE	No	2925	410	1558	957
FRSP0027!	RT. 17/2 BRIDGE	No	4582	2648	1882	52
FRSP0028!	RT. 1 BRIDGE	No	1146	0	208	938
FRSP0029	RAPPAHANNOCK RIVER TIDAL FLAT	Yes	16	16	0	0
FRSP0030	LAFAYETTE BLVD.	Yes	0	0	0	0
FRSP0031	UNNAMED TRIBUTARY TO HAZEL RUN	Yes	27	27	0	0
FRSP0032	RAPPAHANNOCK RIVER AT FREDERICKSBURG, VA	No	72	0	0	72
FRSP0033!	ROUTE 1, FREDERICKBURG	No	8529	8529	0	0
FRSP0034	R OFF VA RT 3 BRIDGEFREDERICKSBG	No	0	0	0	0
FRSP0035	UNNAMED TRIBUTARY TO DEEP RUN	Yes	16	16	0	0
FRSP0036!	VEPCO CANAL, RT. 1 BRIDGE	No	1017	0	100	917
FRSP0037	JEFFERSON DAVIS BLVD.	No	0	0	0	0
FRSP0038	FREDERICKSBURG, RAPPAHANNOCK RIVER	No	0	0	0	0
FRSP0039	RT. 670	No	0	0	0	0
FRSP0040!	RT. 1 BRIDGE	No	1142	0	346	796
FRSP0041	RT. 670	No	0	0	0	0
FRSP0042	ROUTE 620 (SOTSYLVANIA COUNTY)	No	19	0	19	0
FRSP0043!	ROUTE 670 (STAFFORD COUNTY)	No	845	808	37	0
FRSP0044	R AT BITZNER MEADOW	No	0	0	0	0
FRSP0045!	RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA	No	16986	8239	2626	6121
FRSP0046	FREDERICKSBURG USGS MASQHN STA. RAPPAHANNOCK	No	0	0	0	0
FRSP0047	RAPP. R. AT RT. 2,FREDS., VA.	No	629	0	126	503
FRSP0048!	RT. 1 BRIDGE	No	4207	2460	940	807
FRSP0049!	RT. 1 BRIDGE	No	1449	328	695	426
FRSP0050	POTO.R. POSSUM PT.400 YDS.NW R44	No	0	0	0	0
FRSP0051	FREDERICKSBURG, MOTTS RUN RESERVOIR	No	0	0	0	0
FRSP0052	ROUTE 639 (SPOTSYLVANIA COUNTY)	No	19	0	19	0
FRSP0053	RAPPAHANNOCK R AT BITZNER MEADOW	No	0	0	0	0
FRSP0054	VA 620 BR NEAR DUNAVANT VA	No	0	0	0	0
FRSP0055	MOTTS RUN RESERVOIR - 100' FROM DAM-SPOTSYLVANIA	No	232	232	0	0
FRSP0056	VA 654 BRIDGE NEAR BEREA VA	No	0	0	0	0
FRSP0057	MOTTS RUN RESERVOIR - UPPER RESERVOIR SPOTSYLVAN	No	30	30	0	0
FRSP0058!	RT. 208 BR. N-E OF SPOTSYLVANIA	No	1382	793	304	285
FRSP0059	VA 654 BR NEAR HOLLYCORNER VA	No	0	0	0	0
FRSP0060	STREAM AT EXIT FROM WETLAND @ SPOTSYLVANIA CRTHS	Yes	153	153	0	0
FRSP0061	STREAM ENTRANCE TO WETLAND AT SPOTSYLVANIA CRTHS	Yes	154	154	0	0
FRSP0062	UNNAMED TRIBUTARY TO THE NI RIVER	Yes	16	16	0	0
FRSP0063	NI RIVER RESERVOIR - STATION #1 100' FROM DAM	No	124	124	0	0
FRSP0064	SPOTSYLVANIA, NI RESERVOIR	No	0	0	0	0
FRSP0065!	RT. 208 BRIDGE	No	2793	2793	0	0
FRSP0066	RT. 627	No	19	0	19	0
FRSP0067	AT RTE 610 BRIDGE	No	0	0	0	0
FRSP0068	NI RIVER RESERVOIR STATION #2 MID RESERVOIR	No	0	0	0	0
FRSP0069	RT. 648	No	0	0	0	0
FRSP0070	NI RIVER STATION # 4 UPPER RESERVOIR SPOTSYLVAN.	No	31	31	0	0
FRSP0071	NI RIVER RESERVOIR - STATION #3 LOWER BRANCH	No	31	31	0	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	1741	1368	350	23	34	1
00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	1	1	0	0	1	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	2029	1429	544	56	51	1
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12	5	7	0	3	0
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	7	0	7	0	1	0
00690	CARBON, TOTAL (MG/L AS C)	19	0	0	19	5	0
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	4	4	0	0	2	0
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	21	21	0	0	1	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1021	749	43	229	29	1
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	254	0	26	228	1	0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	344	70	45	229	11	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	344	70	45	229	11	0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1	0	1	0	1	0
00930	SODIUM, DISSOLVED (MG/L AS NA)	343	68	46	229	10	0
00931	SODIUM ADSORPTION RATIO	265	1	35	229	2	0
00932	SODIUM, PERCENT	265	1	35	229	2	0
00933	SODIUM,PLUS POTASSIUM (MG/L)	6	0	6	0	1	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	352	68	55	229	19	0
00940	CHLORIDE,TOTAL IN WATER MG/L	1182	712	164	306	40	1
00941	CHLORIDE, DISSOLVED IN WATER MG/L	4	4	0	0	2	0
00945	SULFATE, TOTAL (MG/L AS SO4)	1340	704	164	472	41	1
00946	SULFATE, DISSOLVED (MG/L AS SO4)	4	4	0	0	2	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	342	68	45	229	9	0
00951	FLUORIDE, TOTAL (MG/L AS F)	228	228	0	0	17	1
00955	SILICA, DISSOLVED (MG/L AS SI02)	1432	1155	49	228	29	1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	56	33	22	1	7	0
01001	ARSENIC, SUSPENDED (UG/L AS AS)	10	0	10	0	1	0
01002	ARSENIC, TOTAL (UG/L AS AS)	210	47	114	49	33	1
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	80	49	31	0	24	1
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	3	3	0	0	1	0
01005	BARIUM, DISSOLVED (UG/L AS BA)	56	34	22	0	3	0
01006	BARIUM, SUSPENDED (UG/L AS BA)	11	0	11	0	1	0
01007	BARIUM, TOTAL (UG/L AS BA)	12	0	12	0	1	0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	38	29	9	0	3	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	29	22	7	0	17	1
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	52	43	9	0	21	1
01020	BORON, DISSOLVED (UG/L AS B)	1	0	0	1	1	0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	56	33	22	1	7	0
01026	CADMIUM, SUSPENDED (UG/L AS CD)	9	0	9	0	1	0
01027	CADMIUM, TOTAL (UG/L AS CD)	263	63	128	72	38	1
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	86	55	31	0	29	1
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	86	55	31	0	30	1
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	55	33	22	0	6	0
01031	CHROMIUM, SUSPEND (UG/L AS CR)	7	0	7	0	1	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	336	63	128	145	39	1
01035	COBALT, DISSOLVED (UG/L AS CO)	54	32	22	0	1	0
01036	COBALT, SUSPENDED (UG/L AS CO)	10	0	10	0	1	0
01037	COBALT, TOTAL (UG/L AS CO)	12	0	12	0	1	0
01040	COPPER, DISSOLVED (UG/L AS CU)	56	33	22	1	7	0
01041	COPPER, SUSPENDED (UG/L AS CU)	12	0	12	0	1	0
01042	COPPER, TOTAL (UG/L AS CU)	327	63	121	143	38	1
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	85	54	31	0	29	1
01044	IRON, SUSPENDED (UG/L AS FE)	11	0	11	0	1	0
01045	IRON, TOTAL (UG/L AS FE)	114	54	39	21	30	1
01046	IRON, DISSOLVED (UG/L AS FE)	276	53	22	201	12	0
01049	LEAD, DISSOLVED (UG/L AS PB)	56	33	22	1	7	0
01050	LEAD, SUSPENDED (UG/L AS PB)	10	0	10	0	1	0
01051	LEAD, TOTAL (UG/L AS PB)	306	63	128	115	38	1
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	85	54	31	0	29	1
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	37	37	0	0	24	1
01054	MANGANESE, SUSPENDED (UG/L AS MN)	12	0	12	0	1	0
01055	MANGANESE, TOTAL (UG/L AS MN)	115	51	38	26	34	1
01056	MANGANESE, DISSOLVED (UG/L AS MN)	81	57	23	1	15	0
01057	THALLIUM, DISSOLVED (UG/L AS TL)	5	5	0	0	5	0
01059	THALLIUM, TOTAL (UG/L AS TL)	27	20	7	0	17	1
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	41	32	9	0	1	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	171	38	101	32	27	0
01066	NICKEL, SUSPENDED (UG/L AS NI)	9	0	9	0	1	0
01067	NICKEL, TOTAL (UG/L AS NI)	103	61	42	0	26	1
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	85	54	31	0	29	1
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	3	3	0	0	1	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name		Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)		2233	925	728	580	33	0
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)		983	0	404	579	21	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		3878	2134	910	834	69	8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)		509	508	1	0	18	4
00023	SAMPLE WEIGHT IN POUNDS		3	3	0	0	1	0
00024	SAMPLE LENGTH IN INCHES		3	3	0	0	1	0
00025	BAROMETRIC PRESSURE (MM OF HG)		364	347	17	0	11	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		393	354	39	0	11	0
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		413	354	59	0	11	0
00041	WEATHER (WMO CODE 4501)		2629	1137	918	574	35	1
00060	FLOW, STREAM, MEAN DAILY	CFS	220	0	0	220	2	0
00061	FLOW, STREAM, INSTANTANEOUS	CFS	478	414	64	0	21	7
00064	DEPTH OF STREAM, MEAN (FT)		4	4	0	0	2	0
00065	STAGE, STREAM (FEET)		150	147	3	0	7	0
00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		509	275	127	107	12	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)		270	241	4	25	26	1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		685	640	45	0	19	0
00077	TRANSPARENCY, SECCHI DISC (INCHES)		13	0	2	11	3	0
00078	TRANSPARENCY, SECCHI DISC (METERS)		222	215	7	0	10	0
00080	COLOR (PLATINUM-COBALT UNITS)		360	131	0	229	25	1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		1947	1640	307	0	35	7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		1844	1537	56	251	53	6
00096	SALINITY AT 25 DEGREES C (MG/ML)		510	488	0	22	5	0
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		244	244	0	0	10	5
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	1151	1151	0	0	23	0
00300	OXYGEN, DISSOLVED	MG/L	2503	966	935	602	63	8
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	1	0	0	1	1	0
00310	BOD, 5 DAY, 20 DEG C	MG/L	1822	1186	523	113	48	1
00335	COD, .025N K2CR2O7	MG/L	70	70	0	0	2	0
00340	COD, .25N K2CR2O7	MG/L	1277	943	332	2	38	1
00400	PH (STANDARD UNITS)		3554	1811	942	801	57	1
00403	PH, LAB, STANDARD UNITS	SU	1483	1364	45	74	62	6
00405	CARBON DIOXIDE (MG/L AS CO2)		47	0	5	42	1	0
00406	PH, FIELD, STANDARD UNITS	SU	213	213	0	0	10	7
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	4	4	0	0	2	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		1406	1064	43	299	47	1
00440	BICARBONATE ION (MG/L AS HCO3)		236	4	4	228	3	0
00445	CARBONATE ION (MG/L AS CO3)		228	0	4	224	1	0
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L		35	35	0	0	1	0
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L		35	35	0	0	1	0
00480	SALINITY - PARTS PER THOUSAND		6	1	5	0	6	0
00500	RESIDUE, TOTAL (MG/L)		792	639	78	75	43	1
00505	RESIDUE, TOTAL VOLATILE (MG/L)		789	636	78	75	43	1
00510	RESIDUE, TOTAL FIXED (MG/L)		790	637	78	75	43	1
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		8	6	1	1	7	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		2353	1767	510	76	46	1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		2350	1767	509	74	45	1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		2325	1742	508	75	45	1
00545	RESIDUE, SETTLEABLE (ML/L)		1	0	1	0	1	0
00600	NITROGEN, TOTAL (MG/L AS N)		25	0	25	0	1	0
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)		21	21	0	0	1	0
00602	NITROGEN, DISSOLVED (MG/L AS N)		34	22	12	0	2	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		25	0	25	0	1	0
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)		12	0	12	0	1	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		1033	998	35	0	5	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		2303	889	893	521	58	1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)		1012	999	6	7	6	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		2163	849	869	445	52	1
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		1015	944	0	71	6	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		1809	831	533	445	45	1
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		63	1	26	36	2	0
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)		25	0	25	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		3128	1687	913	528	59	1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		465	26	360	79	30	0
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		382	340	35	7	2	0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)		234	0	3	231	3	0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)		51	0	0	51	1	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)		116	0	6	110	8	0
00665	PHOSPHORUS, TOTAL (MG/L AS P)		2304	1925	378	1	54	6
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		1129	1081	48	0	17	5
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)		22	22	0	0	1	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name		Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34268	BIS (CHLOROMETHYL) ETHER	TOTWUG/L	1	0	1	0	1	0
34273	BIS (2-CHLOROETHYL) ETHER	TOTWUG/L	1	0	1	0	1	0
34278	BIS (2-CHLOROETHOXY) METHANE	TOTWUG/L	1	0	1	0	1	0
34283	BIS (2-CHLOROISOPROPYL) ETHER	TOTWUG/L	1	0	1	0	1	0
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L		1	0	1	0	1	0
34301	CHLOROBENZENE	TOTWUG/L	1	0	1	0	1	0
34311	CHLOROETHANE	TOTWUG/L	1	0	1	0	1	0
34320	CHRYSENE	TOTWUG/L	1	0	1	0	1	0
34336	DIETHYL PHTHALATE	TOTWUG/L	1	0	1	0	1	0
34341	DIMETHYL PHTHALATE	TOTWUG/L	1	0	1	0	1	0
34346	1,2-DIPHENYLHYDRAZINE	TOTWUG/L	1	0	1	0	1	0
34351	ENDOSULFAN SULFATE	TOTWUG/L	24	23	1	0	15	0
34356	ENDOSULFAN, BETA	TOTWUG/L	24	23	1	0	15	0
34361	ENDOSULFAN, ALPHA	TOTWUG/L	24	23	1	0	15	0
34366	ENDRIN ALDEHYDE	TOTWUG/L	24	23	1	0	15	0
34371	ETHYLBENZENE	TOTWUG/L	1	0	1	0	1	0
34376	FLUORANTHENE	TOTWUG/L	1	0	1	0	1	0
34381	FLUORENE	TOTWUG/L	1	0	1	0	1	0
34386	HEXACHLOROCYCLOPENTADIENE	TOTWUG/L	1	0	1	0	1	0
34396	HEXACHLOROETHANE	TOTWUG/L	1	0	1	0	1	0
34403	INDENO (1,2,3-CD) PYRENE	TOTWUG/L	1	0	1	0	1	0
34408	ISOPHORONE	TOTWUG/L	1	0	1	0	1	0
34413	METHYL BROMIDE	TOTWUG/L	1	0	1	0	1	0
34418	METHYL CHLORIDE	TOTWUG/L	1	0	1	0	1	0
34423	METHYLENE CHLORIDE	TOTWUG/L	1	0	1	0	1	0
34428	N-NITROSODI-N-PROPYLAMINE	TOTWUG/L	1	0	1	0	1	0
34433	N-NITROSODIPHENYLAMINE	TOTWUG/L	1	0	1	0	1	0
34438	N-NITROSODIMETHYLAMINE	TOTWUG/L	1	0	1	0	1	0
34447	NITROBENZENE	TOTWUG/L	1	0	1	0	1	0
34452	PARACHLOROMETA CRESOL	TOTWUG/L	1	0	1	0	1	0
34461	PHENANTHRENE	TOTWUG/L	1	0	1	0	1	0
34469	PYRENE	TOTWUG/L	1	0	1	0	1	0
34475	TETRACHLOROETHYLENE	TOTWUG/L	1	0	1	0	1	0
34480	THALLIUM	DRY WGTBOTMG/KG	54	45	9	0	20	1
34488	TRICHLOROFLUOROMETHANE	TOTWUG/L	1	0	1	0	1	0
34496	1,1-DICHLOROETHANE	TOTWUG/L	1	0	1	0	1	0
34501	1,1-DICHLOROETHYLENE	TOTWUG/L	1	0	1	0	1	0
34506	1,1,1-TRICHLOROETHANE	TOTWUG/L	1	0	1	0	1	0
34511	1,1,2-TRICHLOROETHANE	TOTWUG/L	1	0	1	0	1	0
34516	1,1,2,2-TETRACHLOROETHANE	TOTWUG/L	1	0	1	0	1	0
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE	TOTWUG/L	1	0	1	0	1	0
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE	TOTWUG/L	1	0	1	0	1	0
34536	1,2-DICHLOROBENZENE	TOTWUG/L	1	0	1	0	1	0
34541	1,2-DICHLOROPROPANE	TOTWUG/L	1	0	1	0	1	0
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	1	0	1	0	1	0
34551	1,2,4-TRICHLOROBENZENE	TOTWUG/L	1	0	1	0	1	0
34556	1,2,5,6-DIBENZANTHRACENE	TOTWUG/L	1	0	1	0	1	0
34561	1,3-DICHLOROPROPENE	TOTWUG/L	1	0	1	0	1	0
34566	1,3-DICHLOROBENZENE	TOTWUG/L	1	0	1	0	1	0
34571	1,4-DICHLOROBENZENE	TOTWUG/L	1	0	1	0	1	0
34576	2-CHLOROETHYL VINYL ETHER	TOTWUG/L	1	0	1	0	1	0
34581	2-CHLORONAPHTHALENE	TOTWUG/L	1	0	1	0	1	0
34586	2-CHLOROPHENOL	TOTWUG/L	1	0	1	0	1	0
34591	2-NITROPHENOL	TOTWUG/L	1	0	1	0	1	0
34596	DI-N-OCTYL PHTHALATE	TOTWUG/L	1	0	1	0	1	0
34601	2,4-DICHLOROPHENOL	TOTWUG/L	1	0	1	0	1	0
34606	2,4-DIMETHYLPHENOL	TOTWUG/L	1	0	1	0	1	0
34611	2,4-DINITROTOLUENE	TOTWUG/L	1	0	1	0	1	0
34616	2,4-DINITROPHENOL	TOTWUG/L	1	0	1	0	1	0
34621	2,4,6-TRICHLOROPHENOL	TOTWUG/L	1	0	1	0	1	0
34626	2,6-DINITROTOLUENE	TOTWUG/L	1	0	1	0	1	0
34631	3,3'-DICHLOROBENZIDINE	TOTWUG/L	1	0	1	0	1	0
34636	4-BROMOPHENYL PHENYL ETHER	TOTWUG/L	1	0	1	0	1	0
34641	4-CHLOROPHENYL PHENYL ETHER	TOTWUG/L	1	0	1	0	1	0
34646	4-NITROPHENOL	TOTWUG/L	1	0	1	0	1	0
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL)	TOTWUG/L	1	0	1	0	1	0
34671	PCB - 1016	TOTWUG/L	24	23	1	0	15	0
34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD)	TOTWUG/L	1	0	1	0	1	0
34694	PHENOL(C6H5OH)-SINGLE COMPOUND	TOTWUG/L	1	0	1	0	1	0
34696	NAPHTHALENE	TOTWUG/L	1	0	1	0	1	0
38442	DICAMBA (BANVEL)	WATER,DISSUG/L	12	12	0	0	8	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	3	3	0	0	1	0
01075	SILVER, DISSOLVED (UG/L AS AG)	59	37	22	0	5	0
01076	SILVER, SUSPENDED (UG/L AS AG)	8	0	8	0	1	0
01077	SILVER, TOTAL (UG/L AS AG)	17	2	15	0	4	0
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	28	28	0	0	13	0
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	41	32	9	0	1	0
01085	VANADIUM, DISSOLVED (UG/L AS V)	42	32	10	0	2	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	56	33	22	1	7	0
01091	ZINC, SUSPENDED (UG/L ZN)	10	0	10	0	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	397	63	147	187	38	1
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	84	54	30	0	29	1
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	6	6	0	0	5	0
01097	ANTIMONY, TOTAL (UG/L AS SB)	3	2	1	0	3	0
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	24	24	0	0	13	0
01105	ALUMINUM, TOTAL (UG/L AS AL)	5	4	0	1	3	0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	45	36	9	0	5	0
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	25	25	0	0	14	0
01130	LITHIUM, DISSOLVED (UG/L AS LI)	41	32	9	0	1	0
01140	SILICON, DISSOLVED (UG/L AS SI)	74	74	0	0	2	0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	60	38	22	0	6	0
01146	SELENIUM, SUSPENDED (UG/L AS SE)	8	0	8	0	1	0
01147	SELENIUM, TOTAL (UG/L AS SE)	53	34	19	0	20	1
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	55	46	9	0	21	1
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	3	3	0	0	1	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	31	31	0	0	20	0
01300	OIL-GREASE (SEVERITY)	2	2	0	0	2	0
01305	DETERGENT SUDS (SEVERITY)	4	4	0	0	3	0
01310	GAS BUBBLES (SEVERITY)	6	6	0	0	3	0
01315	SLUDGE, FLOATING (SEVERITY)	6	6	0	0	3	0
01320	GARBAGE, FLOATING (SEVERITY)	3	3	0	0	3	0
01325	ALGAE, FLOATING MATS (SEVERITY)	8	8	0	0	3	0
01330	ODOR, ATMOSPHERIC (SEVERITY)	6	6	0	0	3	0
01340	FISH, DEAD (SEVERITY)	2	2	0	0	2	0
01345	DEBRIS, FLOATING (SEVERITY)	28	28	0	0	3	0
01350	TURBIDITY (SEVERITY)	53	53	0	0	7	0
01351	FLOW, STRM.1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	1115	842	273	0	24	1
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	4	4	0	0	3	0
22703	URANIUM, NATURAL, DISSOLVED	1	0	1	0	1	0
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	149	0	17	132	14	0
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	2	2	0	0	2	0
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	7	7	0	0	2	0
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	44	43	0	1	4	0
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	1948	685	838	425	45	1
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	111	67	44	0	6	0
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	95	51	44	0	1	0
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	1	0	1	0	1	0
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	1	0	1	0	1	0
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	1	0	1	0	1	0
32104	BROMOFORM,WHOLE WATER,UG/L	1	0	1	0	1	0
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	1	0	1	0	1	0
32106	CHLOROFORM,WHOLE WATER,UG/L	1	0	1	0	1	0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	2	2	0	0	1	0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	2	0	0	1	0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	2	2	0	0	1	0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	2	2	0	0	1	0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	2	0	0	1	0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2	2	0	0	1	0
32240	TANNIN AND LIGNIN (MG/L)	36	36	0	0	9	0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	15	15	0	0	5	0
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	0	1	0	1	0
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	0	1	0	1	0
34200	ACENAPHTHYLENE TOTWUG/L	1	0	1	0	1	0
34205	ACENAPHTHENE TOTWUG/L	1	0	1	0	1	0
34210	ACROLEIN TOTWUG/L	1	0	1	0	1	0
34215	ACRYLONITRILE TOTWUG/L	1	0	1	0	1	0
34220	ANTHRACENE TOTWUG/L	1	0	1	0	1	0
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	1	0	1	0	1	0
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	1	0	1	0	1	0
34247	BENZO-A-PYRENE TOTWUG/L	1	0	1	0	1	0
34252	BERYLLIUM WET WGTTISMG/KG	3	3	0	0	1	0
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	24	23	1	0	15	0

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Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	552	281	43	228	16	7
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	263	1	34	228	1	0
70302	SOLIDS, DISSOLVED-TONS PER DAY	197	0	27	170	1	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	262	0	34	228	1	0
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	100	53	47	0	1	0
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	982	0	538	444	22	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	1780	727	540	513	49	5
71825	ACIDITY, TOTAL (MG/L AS H)	1	0	1	0	1	0
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	13	0	13	0	1	0
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	23	1	22	0	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	208	4	0	204	3	0
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	7	0	0	7	1	0
71885	IRON (UG/L AS FE)	31	4	0	27	3	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	45	8	30	7	5	0
71887	NITROGEN, TOTAL, AS NO3 - MG/L	25	0	25	0	1	0
71890	MERCURY, DISSOLVED (UG/L AS HG)	54	32	22	0	6	0
71895	MERCURY, SUSPENDED (UG/L AS HG)	5	0	5	0	1	0
71900	MERCURY, TOTAL (UG/L AS HG)	321	58	128	135	38	1
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	88	59	29	0	33	1
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	3	3	0	0	1	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	3	3	0	0	1	0
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	3	3	0	0	1	0
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	3	3	0	0	1	0
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	3	3	0	0	1	0
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	3	3	0	0	1	0
71994	VOLUME OF WATER FILTERED LITERS	2	2	0	0	1	0
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	4	4	0	0	2	0
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	32	32	0	0	14	0
77825	ALACHLOR WHOLE WATER,UG/L	21	21	0	0	14	0
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	32	32	0	0	14	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	108	60	48	0	3	0
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	23	1	22	0	1	0
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	4	4	0	0	2	0
81281	KEPONE(C10CL10O) WHOLE WATER SAMPLE UG/L	2	2	0	0	2	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	3	3	0	0	1	0
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	3	3	0	0	1	0
82032	CALCIUM - TOTAL UG/L (AS CA)	5	5	0	0	5	0
82036	CALCIUM-DISSOLVED UG/L (AS CA)	1	1	0	0	1	0
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	3	3	0	0	3	0
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	2	0	2	0	1	0
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	122	122	0	0	10	0
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	3	3	0	0	2	0
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	1	0	1	0	1	0
82398	SAMPLING METHOD (CODES)	41	19	22	0	1	0
83509	STREAM, WIDTH METER	4	4	0	0	2	0
84007	ANATOMY ALPHA CODE	3	3	0	0	1	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
38451	DICHLORPROP WATER,SUSPUG/L	13	13	0	0	9	0
38745	2,4-DB WATER, TOTUG/L	21	21	0	0	14	0
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	45	23	22	0	15	0
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	3	3	0	0	3	0
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	45	44	1	0	16	0
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	21	0	21	0	6	0
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	21	0	21	0	6	0
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	21	0	21	0	6	0
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	21	0	21	0	6	0
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	35	35	0	0	1	0
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	1	0	1	0	1	0
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	1	0	1	0	1	0
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1	0
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	1	0	1	0	1	0
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	1	0	1	0	1	0
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15	0
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	21	0	21	0	6	0
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15	0
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	21	0	21	0	6	0
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15	0
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	21	0	21	0	6	0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	62	23	39	0	15	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	48	29	19	0	16	0
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	24	23	1	0	15	0
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	24	23	1	0	15	0
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	24	23	1	0	15	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	25	3	22	0	10	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	45	44	1	0	16	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	46	23	22	1	16	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	45	44	1	0	16	0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	46	23	22	1	16	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	45	44	1	0	16	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15	0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	21	0	21	0	6	0
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	4	3	1	0	4	0
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	32	11	21	0	14	0
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	45	44	1	0	16	0
39560	DEMETON IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	19	0	18	1	7	0
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	19	0	19	0	6	0
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	7	0
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	1	0	1	0	1	0
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	21	21	0	0	14	0
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	21	21	0	0	14	0
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	21	21	0	0	14	0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	17	17	0	0	9	0
49567	PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP,WTR MG/L	59	59	0	0	1	0
49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	59	59	0	0	1	0
49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	57	57	0	0	1	0
49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	59	59	0	0	1	0
49572	PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	59	59	0	0	1	0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	189	28	154	7	17	0
50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	1	0	1	0	1	0
50761	BROMINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	1	0	1	0	1	0
60050	ALGAE, TOTAL (CELLS/ML)	11	0	11	0	1	0
61272	INVALID PARAMETER	207	207	0	0	10	7
61277	INVALID PARAMETER	174	174	0	0	10	7

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/86-04/04/86	0	2	
FRSP0025	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	9	89	
FRSP0026	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	19	146	
FRSP0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	24	192	
FRSP0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	9	73	
FRSP0029	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/22/95-12/01/95	0	2	
FRSP0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/12/70-06/25/70	0	5	
FRSP0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	12	453	
FRSP0035	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/95-12/01/95	0	2	
FRSP0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	7	67	
FRSP0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	10	87	
FRSP0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/84-11/23/98	14	26	
FRSP0045	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	26	524	
FRSP0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/69-08/11/70	1	53	
FRSP0048	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	30	183	
FRSP0049	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	19	86	
FRSP0055	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/91-07/23/96	4	2	
FRSP0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/96-07/23/96	0	1	
FRSP0058	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	17	70	
FRSP0062	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/95-12/04/95	0	2	
FRSP0063	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	0	1	
FRSP0065	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	11	91	
FRSP0070	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	0	1	
FRSP0071	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	0	1	
FRSP0072	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/76-06/04/79	3	17	
FRSP0078	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/93-03/21/96	3	35	
FRSP0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	24	252	
FRSP0081	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/76-10/05/76	0	2	
FRSP0084	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/90-10/21/98	7	23	
FRSP0085	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/91-08/19/91	0	1	
FRSP0086	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	8	
FRSP0087	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/91-05/22/91	0	1	
FRSP0088	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-10/27/95	2	37	
FRSP0089	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/11/96	3	38	
FRSP0090	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/91-08/20/91	0	1	
FRSP0092	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/18/96	3	31	
FRSP0093	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-08/28/95	2	27	
FRSP0094	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/18/96	3	39	
FRSP0095	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/91-05/22/91	0	1	
FRSP0097	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	9	
FRSP0101	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-03/30/91	1	6	
FRSP0103	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/81-03/10/81	0	1	
FRSP0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/70-01/13/71	0	22	
FRSP0105	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/91-08/20/91	0	1	
FRSP0106	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	9	
FRSP0107	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/74-11/04/98	24	87	
FRSP0109	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/77-09/01/77	0	1	
FRSP0110	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/89-10/01/91	2	7	
FRSP0111	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/89-10/01/91	2	8	
FRSP0112	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/27/76-11/04/98	22	47	
FRSP0031	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/22/95-02/01/96	0	2	
FRSP0045	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	9	285	
FRSP0078	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-02/01/96	3	29	
FRSP0085	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/19/91-08/19/91	0	1	
FRSP0086	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	8	
FRSP0088	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-07/26/95	2	31	
FRSP0089	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-02/01/96	3	30	
FRSP0090	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/20/91-08/20/91	0	1	
FRSP0091	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/19/91-08/19/91	0	1	
FRSP0092	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/02/95	2	26	
FRSP0093	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/28/95	2	23	
FRSP0094	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/02/95	2	32	
FRSP0097	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	9	
FRSP0101	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-03/30/91	1	6	
FRSP0105	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/20/91-08/20/91	0	1	
FRSP0106	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	9	
FRSP0110	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/26/89-10/01/91	2	7	
FRSP0111	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/25/89-10/01/91	2	8	
FRSP0080	No	00023	SAMPLE WEIGHT IN POUNDS	07/16/91-07/16/91	0	3	
FRSP0080	No	00024	SAMPLE LENGTH IN INCHES	07/16/91-07/16/91	0	3	
FRSP0045	No	00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	11	320	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0002	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-10/06/75	7	47	
FRSP0008	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-05/09/78	9	61	
FRSP0010	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/11/76-12/10/98	22	106	
FRSP0012	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-10/06/75	7	46	
FRSP0013	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/14/92-11/23/98	6	30	
FRSP0015	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-08/28/74	6	38	
FRSP0018	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/26/74-05/09/78	3	21	
FRSP0020	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	02/25/75-03/27/91	16	34	
FRSP0022	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/06/68-11/23/98	30	254	
FRSP0023	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/11/76-12/10/98	22	60	
FRSP0025	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/30/79-06/17/87	7	86	
FRSP0026	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/01/68-04/27/88	19	150	
FRSP0027	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/03/74-11/23/98	24	185	
FRSP0028	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/06/68-01/27/78	9	70	
FRSP0033	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	10/05/94-12/10/98	4	43	
FRSP0036	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/01/68-02/23/76	7	68	
FRSP0040	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/01/68-04/14/78	9	81	
FRSP0043	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	03/24/94-11/23/98	4	27	
FRSP0045	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	01/24/79-01/24/79	0	1	
FRSP0048	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-12/17/98	30	174	
FRSP0049	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/12/72-08/12/91	19	74	
FRSP0055	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/23/96-07/23/96	0	2	
FRSP0057	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/23/96-07/23/96	0	1	
FRSP0058	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/09/73-08/22/90	17	64	
FRSP0063	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/20/96-08/20/96	0	2	
FRSP0065	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/29/87-12/17/98	11	91	
FRSP0070	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/20/96-08/20/96	0	1	
FRSP0071	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/20/96-08/20/96	0	1	
FRSP0072	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/03/76-04/14/78	1	11	
FRSP0080	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/16/74-12/16/98	24	249	
FRSP0084	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	12/27/90-10/21/98	7	25	
FRSP0107	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/09/74-11/04/98	24	88	
FRSP0112	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/27/76-11/04/98	22	42	
FRSP0002	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-10/06/75	7	47	
FRSP0008	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-05/09/78	9	61	
FRSP0010	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/11/76-05/09/78	1	12	
FRSP0012	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-10/06/75	7	46	
FRSP0015	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-08/28/74	6	37	
FRSP0018	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/26/74-05/09/78	3	21	
FRSP0020	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	02/25/75-06/05/78	3	32	
FRSP0022	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	08/06/68-04/14/78	9	97	
FRSP0023	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/11/76-05/09/78	1	13	
FRSP0026	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/01/68-05/09/78	9	81	
FRSP0027	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/03/74-04/14/78	3	38	
FRSP0028	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	08/06/68-01/27/78	9	70	
FRSP0036	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/01/68-02/23/76	7	68	
FRSP0040	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/01/68-04/14/78	9	81	
FRSP0048	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-05/02/78	9	97	
FRSP0049	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/12/72-05/02/78	5	63	
FRSP0058	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/09/73-05/02/78	5	34	
FRSP0072	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	06/03/76-04/14/78	1	11	
FRSP0080	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/16/74-04/14/78	3	38	
FRSP0107	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/09/74-05/11/78	3	23	
FRSP0112	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/27/76-05/11/78	1	13	
FRSP0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	0	1	
FRSP0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	7	47	
FRSP0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	0	1	
FRSP0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-06/13/79	10	65	
FRSP0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/96-04/23/96	0	1	
FRSP0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	22	252	
FRSP0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	0	1	
FRSP0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	7	46	
FRSP0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/92-11/23/98	6	28	
FRSP0014	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/86-04/04/86	0	2	
FRSP0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-08/28/74	6	38	
FRSP0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	0	1	
FRSP0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/85-04/17/90	4	2	
FRSP0018	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/74-06/15/88	13	36	
FRSP0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/90-02/26/91	0	2	
FRSP0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	16	46	
FRSP0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	30	260	
FRSP0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	22	177	

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Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0033	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	01/21/96-09/24/96	0	37	
FRSP0035	Yes	00061	FLOW, STREAM, INSTANTANEOUS	CFS	09/25/95-12/01/95	0	2	
FRSP0045	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	12/30/77-09/27/93	15	348	
FRSP0062	Yes	00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/23/95-12/04/95	0	2	
FRSP0078	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	03/13/95-03/21/96	1	6	
FRSP0085	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	08/19/91-08/19/91	0	1	
FRSP0086	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	07/24/89-10/01/91	2	8	
FRSP0088	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	03/29/95-10/27/95	0	6	
FRSP0089	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	03/22/95-04/11/96	1	8	
FRSP0090	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	08/20/91-08/20/91	0	1	
FRSP0092	Yes	00061	FLOW, STREAM, INSTANTANEOUS	CFS	08/02/95-04/25/96	0	4	
FRSP0093	Yes	00061	FLOW, STREAM, INSTANTANEOUS	CFS	03/01/95-08/09/95	0	4	
FRSP0094	Yes	00061	FLOW, STREAM, INSTANTANEOUS	CFS	03/13/95-02/08/96	0	7	
FRSP0097	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	07/24/89-10/01/91	2	9	
FRSP0101	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	07/24/89-03/30/91	1	6	
FRSP0106	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	07/24/89-10/01/91	2	8	
FRSP0110	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	07/26/89-10/01/91	2	7	
FRSP0111	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	07/25/89-10/01/91	2	8	
FRSP0014	No	00064	DEPTH OF STREAM, MEAN (FT)		03/21/86-04/04/86	0	2	
FRSP0024	No	00064	DEPTH OF STREAM, MEAN (FT)		03/21/86-04/04/86	0	2	
FRSP0045	No	00065	STAGE, STREAM (FEET)		04/18/83-04/28/94	11	134	
FRSP0086	No	00065	STAGE, STREAM (FEET)		10/03/90-10/01/91	0	3	
FRSP0097	No	00065	STAGE, STREAM (FEET)		10/03/90-10/01/91	0	3	
FRSP0101	No	00065	STAGE, STREAM (FEET)		10/03/90-11/29/90	0	2	
FRSP0106	No	00065	STAGE, STREAM (FEET)		10/03/90-11/29/90	0	2	
FRSP0110	No	00065	STAGE, STREAM (FEET)		10/03/90-10/01/91	0	3	
FRSP0111	No	00065	STAGE, STREAM (FEET)		10/03/90-10/01/91	0	3	
FRSP0002	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		07/02/68-08/01/73	5	26	
FRSP0008	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		07/02/68-06/13/79	10	41	
FRSP0010	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		07/20/76-12/10/98	22	166	
FRSP0012	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		07/02/68-07/23/74	6	24	
FRSP0015	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		07/02/68-07/23/74	6	27	
FRSP0018	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		05/29/75-06/15/88	13	15	
FRSP0023	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		07/20/76-12/10/98	22	107	
FRSP0026	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		02/27/69-04/27/88	19	68	
FRSP0027	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		07/03/79-07/03/79	0	1	
FRSP0033	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		08/19/86-08/14/97	10	32	
FRSP0045	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		03/04/93-03/04/93	0	1	
FRSP0080	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)		02/27/91-02/27/91	0	1	
FRSP0008	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		06/02/71-07/21/71	0	3	
FRSP0010	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		02/21/91-10/04/93	2	11	
FRSP0012	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		06/02/71-07/21/71	0	3	
FRSP0013	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		03/17/92-03/17/92	0	1	
FRSP0015	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		06/02/71-07/02/71	0	2	
FRSP0019	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		02/26/91-02/26/91	0	1	
FRSP0020	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		12/27/90-03/27/91	0	2	
FRSP0022	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		04/25/71-03/17/92	20	29	
FRSP0023	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		02/21/91-10/04/93	2	11	
FRSP0027	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		10/12/88-03/17/92	3	26	
FRSP0032	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		07/30/70-07/30/70	0	1	
FRSP0033	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		03/23/90-08/03/93	3	5	
FRSP0036	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		04/25/71-07/15/71	0	4	
FRSP0040	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		04/25/71-07/15/71	0	4	
FRSP0045	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		12/30/77-01/24/91	13	6	
FRSP0048	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		04/21/71-03/17/92	20	20	
FRSP0049	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		09/13/90-06/10/91	0	10	
FRSP0055	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		08/14/91-08/14/91	0	1	
FRSP0058	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		07/29/87-08/22/90	3	28	
FRSP0065	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		07/29/87-03/17/92	4	31	
FRSP0080	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		11/03/88-04/15/92	3	37	
FRSP0084	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		12/27/90-03/31/92	1	5	
FRSP0087	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		05/22/91-05/22/91	0	1	
FRSP0095	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)		05/22/91-05/22/91	0	1	
FRSP0107	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		11/03/88-03/23/92	3	21	
FRSP0112	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)		12/19/90-03/23/92	1	6	
FRSP0010	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	5	76	
FRSP0013	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		09/15/94-11/23/98	4	19	
FRSP0022	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		09/15/94-11/23/98	4	19	
FRSP0023	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	5	77	
FRSP0027	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		09/15/94-11/23/98	4	19	
FRSP0033	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		11/15/88-12/10/98	10	140	
FRSP0043	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		07/21/94-11/23/98	4	21	

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Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0085	No	00025	BAROMETRIC PRESSURE (MM OF HG)		08/19/91-08/19/91	0	1	
FRSP0086	No	00025	BAROMETRIC PRESSURE (MM OF HG)		07/24/89-10/01/91	2	7	
FRSP0090	No	00025	BAROMETRIC PRESSURE (MM OF HG)		08/20/91-08/20/91	0	1	
FRSP0091	No	00025	BAROMETRIC PRESSURE (MM OF HG)		08/19/91-08/19/91	0	1	
FRSP0097	No	00025	BAROMETRIC PRESSURE (MM OF HG)		07/24/89-10/01/91	2	8	
FRSP0101	No	00025	BAROMETRIC PRESSURE (MM OF HG)		07/24/89-03/30/91	1	5	
FRSP0105	No	00025	BAROMETRIC PRESSURE (MM OF HG)		08/20/91-08/20/91	0	1	
FRSP0106	No	00025	BAROMETRIC PRESSURE (MM OF HG)		07/24/89-10/01/91	2	8	
FRSP0110	No	00025	BAROMETRIC PRESSURE (MM OF HG)		09/06/89-10/01/91	2	5	
FRSP0111	No	00025	BAROMETRIC PRESSURE (MM OF HG)		07/25/89-10/01/91	2	7	
FRSP0045	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		03/27/78-04/28/94	16	342	
FRSP0085	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		08/19/91-08/19/91	0	1	
FRSP0086	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		07/24/89-10/01/91	2	8	
FRSP0090	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		08/20/91-08/20/91	0	1	
FRSP0091	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		08/19/91-08/19/91	0	1	
FRSP0097	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		07/24/89-10/01/91	2	9	
FRSP0101	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		07/24/89-03/30/91	1	6	
FRSP0105	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		08/20/91-08/20/91	0	1	
FRSP0106	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		07/24/89-10/01/91	2	9	
FRSP0110	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		07/26/89-10/01/91	2	7	
FRSP0111	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.		07/25/89-10/01/91	2	8	
FRSP0045	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		03/27/78-04/28/94	16	362	
FRSP0085	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		08/19/91-08/19/91	0	1	
FRSP0086	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		07/24/89-10/01/91	2	8	
FRSP0090	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		08/20/91-08/20/91	0	1	
FRSP0091	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		08/19/91-08/19/91	0	1	
FRSP0097	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		07/24/89-10/01/91	2	9	
FRSP0101	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		07/24/89-03/30/91	1	6	
FRSP0105	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		08/20/91-08/20/91	0	1	
FRSP0106	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		07/24/89-10/01/91	2	9	
FRSP0110	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		07/26/89-10/01/91	2	7	
FRSP0111	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)		07/25/89-10/01/91	2	8	
FRSP0002	No	00041	WEATHER (WMO CODE 4501)		07/02/68-10/06/75	7	45	
FRSP0008	No	00041	WEATHER (WMO CODE 4501)		07/02/68-06/13/79	10	64	
FRSP0010	No	00041	WEATHER (WMO CODE 4501)		05/11/76-12/10/98	22	183	
FRSP0012	No	00041	WEATHER (WMO CODE 4501)		07/02/68-10/06/75	7	45	
FRSP0013	No	00041	WEATHER (WMO CODE 4501)		05/14/92-11/23/98	6	28	
FRSP0015	No	00041	WEATHER (WMO CODE 4501)		07/02/68-08/28/74	6	37	
FRSP0018	No	00041	WEATHER (WMO CODE 4501)		09/26/74-06/15/88	13	30	
FRSP0020	No	00041	WEATHER (WMO CODE 4501)		02/25/75-03/27/91	16	47	
FRSP0022	No	00041	WEATHER (WMO CODE 4501)		08/06/68-11/23/98	30	264	
FRSP0023	No	00041	WEATHER (WMO CODE 4501)		05/11/76-12/10/98	22	119	
FRSP0025	No	00041	WEATHER (WMO CODE 4501)		03/07/78-06/17/87	9	95	
FRSP0026	No	00041	WEATHER (WMO CODE 4501)		07/01/68-04/27/88	19	154	
FRSP0027	No	00041	WEATHER (WMO CODE 4501)		09/03/74-11/23/98	24	197	
FRSP0028	No	00041	WEATHER (WMO CODE 4501)		08/06/68-01/27/78	9	74	
FRSP0033	No	00041	WEATHER (WMO CODE 4501)		07/21/86-12/10/98	12	134	
FRSP0036	No	00041	WEATHER (WMO CODE 4501)		07/01/68-02/23/76	7	67	
FRSP0040	No	00041	WEATHER (WMO CODE 4501)		07/01/68-06/04/79	10	87	
FRSP0043	No	00041	WEATHER (WMO CODE 4501)		03/24/94-11/23/98	4	25	
FRSP0045	No	00041	WEATHER (WMO CODE 4501)		12/30/77-08/28/85	7	48	
FRSP0048	No	00041	WEATHER (WMO CODE 4501)		07/02/68-12/17/98	30	186	
FRSP0049	No	00041	WEATHER (WMO CODE 4501)		05/12/72-06/10/91	19	87	
FRSP0055	No	00041	WEATHER (WMO CODE 4501)		08/14/91-07/23/96	4	2	
FRSP0057	No	00041	WEATHER (WMO CODE 4501)		07/23/96-07/23/96	0	1	
FRSP0058	No	00041	WEATHER (WMO CODE 4501)		04/09/73-08/22/90	17	72	
FRSP0063	No	00041	WEATHER (WMO CODE 4501)		08/20/96-08/20/96	0	1	
FRSP0065	No	00041	WEATHER (WMO CODE 4501)		07/29/87-12/17/98	11	94	
FRSP0070	No	00041	WEATHER (WMO CODE 4501)		08/20/96-08/20/96	0	1	
FRSP0071	No	00041	WEATHER (WMO CODE 4501)		08/20/96-08/20/96	0	1	
FRSP0072	No	00041	WEATHER (WMO CODE 4501)		06/03/76-06/04/79	3	17	
FRSP0080	No	00041	WEATHER (WMO CODE 4501)		09/16/74-12/16/98	24	259	
FRSP0084	No	00041	WEATHER (WMO CODE 4501)		12/27/90-10/21/98	7	24	
FRSP0087	No	00041	WEATHER (WMO CODE 4501)		05/22/91-05/22/91	0	1	
FRSP0095	Yes	00041	WEATHER (WMO CODE 4501)		05/22/91-05/22/91	0	1	
FRSP0107	No	00041	WEATHER (WMO CODE 4501)		09/09/74-11/04/98	24	91	
FRSP0112	No	00041	WEATHER (WMO CODE 4501)		05/27/76-11/04/98	22	48	
FRSP0045	No	00060	FLOW, STREAM, MEAN DAILY	CFS	10/04/67-08/15/74	6	170	
FRSP0047	No	00060	FLOW, STREAM, MEAN DAILY	CFS	06/12/69-07/06/70	1	50	
FRSP0010	No	00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/23/80-10/23/80	0	1	
FRSP0029	Yes	00061	FLOW, STREAM, INSTANTANEOUS	CFS	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00061	FLOW, STREAM, INSTANTANEOUS	CFS	12/01/95-02/15/96	0	3	

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From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0065	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	11	84	
FRSP0070	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0071	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0078	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/14/93-03/21/96	3	35	
FRSP0080	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	19	184	A
FRSP0084	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/31/92-10/21/98	6	20	
FRSP0088	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-10/27/95	2	37	
FRSP0089	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-04/11/96	3	37	
FRSP0092	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-04/25/96	3	32	
FRSP0093	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-08/28/95	2	27	
FRSP0094	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-04/18/96	3	40	
FRSP0107	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/87-11/04/98	11	48	
FRSP0112	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/19/91-11/04/98	6	25	
FRSP0003	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0006	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-08/15/78	0	1	
FRSP0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	20	123	
FRSP0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/92-11/23/98	6	29	
FRSP0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/86-04/04/86	0	2	
FRSP0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/90-04/17/90	0	1	
FRSP0018	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-06/15/88	9	3	
FRSP0019	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/90-02/26/91	0	2	
FRSP0020	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-03/27/91	0	2	
FRSP0022	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	19	41	
FRSP0023	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	20	101	
FRSP0024	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/86-04/04/86	0	2	
FRSP0026	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-08/15/78	0	1	
FRSP0027	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/89-11/23/98	9	43	
FRSP0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/70-07/30/70	0	1	
FRSP0033	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	8	207	
FRSP0043	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/21/94-11/23/98	4	24	
FRSP0045	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	26	580	T,A,S
FRSP0048	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	8	75	
FRSP0049	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/90-06/10/91	0	8	
FRSP0055	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/91-07/23/96	4	2	
FRSP0057	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/96-07/23/96	0	1	
FRSP0058	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/89-08/22/90	0	7	
FRSP0060	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0061	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0063	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0065	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	9	70	
FRSP0070	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0071	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0074	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	25	
FRSP0075	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	25	
FRSP0076	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	22	
FRSP0080	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	9	104	
FRSP0084	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-10/21/98	7	23	
FRSP0085	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/91-08/19/91	0	1	
FRSP0086	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	2	8	
FRSP0087	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/91-05/22/91	0	1	
FRSP0090	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/91-08/20/91	0	1	
FRSP0095	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/91-05/22/91	0	1	
FRSP0097	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	2	9	
FRSP0101	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-03/30/91	1	6	
FRSP0104	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/70-01/13/71	0	22	
FRSP0105	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/91-08/20/91	0	1	
FRSP0106	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	2	9	
FRSP0107	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-11/04/98	9	38	
FRSP0109	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/77-09/01/77	0	1	
FRSP0110	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/89-10/01/91	2	7	
FRSP0111	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/25/89-10/01/91	2	8	
FRSP0112	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/90-11/04/98	7	30	
FRSP0010	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	05/03/88-12/01/94	6	132	
FRSP0018	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	05/03/88-06/15/88	0	10	
FRSP0023	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	3	105	
FRSP0033	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	8	241	
FRSP0104	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	03/26/70-01/13/71	0	22	
FRSP0003	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	26	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0045	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	15	141	
FRSP0048	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/94-12/17/98	4	37	
FRSP0055	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/23/96-07/23/96	0	1	
FRSP0057	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/23/96-07/23/96	0	1	
FRSP0063	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	0	1	
FRSP0065	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/94-12/17/98	4	36	
FRSP0070	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	0	1	
FRSP0071	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	0	1	
FRSP0080	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-12/16/98	4	50	
FRSP0084	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/05/94-10/21/98	3	13	
FRSP0107	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/94-11/04/98	4	16	
FRSP0112	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/94-11/04/98	4	16	
FRSP0008	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/78-08/15/78	0	1	
FRSP0026	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/78-08/15/78	0	1	
FRSP0104	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/26/70-01/13/71	0	11	
FRSP0010	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	16	117	
FRSP0018	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/03/88-06/15/88	0	5	
FRSP0023	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	7	89	
FRSP0026	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-09/29/87	4	5	
FRSP0033	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/09/94-08/09/94	0	1	
FRSP0055	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/23/96-07/23/96	0	1	
FRSP0057	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/23/96-07/23/96	0	1	
FRSP0063	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	0	1	
FRSP0070	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	0	1	
FRSP0071	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	0	1	
FRSP0013	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/17/92-02/17/93	0	4	
FRSP0014	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/21/86-04/04/86	0	2	
FRSP0019	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/26/91-02/26/91	0	1	
FRSP0020	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/27/91-03/27/91	0	1	
FRSP0022	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/13/91-02/17/93	2	8	
FRSP0023	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/08/91-11/07/91	0	2	
FRSP0024	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/04/86-04/04/86	0	1	
FRSP0027	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/13/91-02/17/93	2	10	
FRSP0032	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/30/70-07/30/70	0	1	
FRSP0045	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	6	228	
FRSP0048	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/07/91-01/20/93	1	19	
FRSP0049	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/07/91-06/10/91	0	5	
FRSP0055	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/14/91-08/14/91	0	1	
FRSP0065	No	00080	COLOR (PLATINUM-COBALT UNITS)	01/22/92-02/24/93	1	12	
FRSP0080	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/26/90-02/25/93	2	24	
FRSP0084	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/27/91-12/22/92	1	6	
FRSP0086	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	1	3	
FRSP0087	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	05/22/91-05/22/91	0	1	
FRSP0097	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	1	3	
FRSP0101	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	1	3	
FRSP0106	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/25/89-03/30/91	1	3	
FRSP0107	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/24/91-03/02/93	1	9	
FRSP0111	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/25/89-03/30/91	1	3	
FRSP0112	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/24/91-03/02/93	1	9	
FRSP0009	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/96-04/23/96	0	1	
FRSP0010	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	19	238	
FRSP0013	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/17/92-11/23/98	6	29	
FRSP0017	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/06/85-06/06/85	0	1	
FRSP0018	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/88-06/15/88	0	10	
FRSP0022	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	19	137	
FRSP0023	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	7	160	
FRSP0025	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	7	82	
FRSP0026	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/79-02/18/88	8	55	
FRSP0027	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	19	130	
FRSP0029	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/95-12/01/95	0	2	
FRSP0033	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	12	409	A
FRSP0035	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/25/95-12/01/95	0	2	
FRSP0043	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/24/94-11/23/98	4	25	
FRSP0048	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	8	64	
FRSP0049	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-10/09/90	0	2	
FRSP0055	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/23/96-07/23/96	0	1	
FRSP0057	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/23/96-07/23/96	0	1	
FRSP0058	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/87-10/24/89	2	22	
FRSP0062	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/23/95-12/04/95	0	2	
FRSP0063	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0085	No	00300	OXYGEN, DISSOLVED	MG/L	08/19/91-08/19/91	0	1	
FRSP0086	No	00300	OXYGEN, DISSOLVED	MG/L	07/24/89-10/01/91	2	8	
FRSP0087	No	00300	OXYGEN, DISSOLVED	MG/L	09/03/75-05/22/91	15	2	
FRSP0088	No	00300	OXYGEN, DISSOLVED	MG/L	01/20/93-10/27/95	2	34	
FRSP0089	No	00300	OXYGEN, DISSOLVED	MG/L	01/20/93-04/11/96	3	34	
FRSP0090	No	00300	OXYGEN, DISSOLVED	MG/L	08/20/91-08/20/91	0	1	
FRSP0092	Yes	00300	OXYGEN, DISSOLVED	MG/L	01/20/93-04/25/96	3	32	
FRSP0093	Yes	00300	OXYGEN, DISSOLVED	MG/L	01/20/93-08/28/95	2	26	
FRSP0094	Yes	00300	OXYGEN, DISSOLVED	MG/L	01/20/93-04/11/96	3	39	
FRSP0095	Yes	00300	OXYGEN, DISSOLVED	MG/L	05/22/91-05/22/91	0	1	
FRSP0097	No	00300	OXYGEN, DISSOLVED	MG/L	07/24/89-10/01/91	2	9	
FRSP0098	No	00300	OXYGEN, DISSOLVED	MG/L	09/03/75-09/03/75	0	1	
FRSP0101	No	00300	OXYGEN, DISSOLVED	MG/L	07/24/89-03/30/91	1	6	
FRSP0102	No	00300	OXYGEN, DISSOLVED	MG/L	09/03/75-09/03/75	0	1	
FRSP0103	No	00300	OXYGEN, DISSOLVED	MG/L	09/03/75-03/10/81	5	3	
FRSP0104	No	00300	OXYGEN, DISSOLVED	MG/L	03/26/70-01/13/71	0	20	
FRSP0105	No	00300	OXYGEN, DISSOLVED	MG/L	08/20/91-08/20/91	0	1	
FRSP0106	No	00300	OXYGEN, DISSOLVED	MG/L	07/24/89-10/01/91	2	9	
FRSP0107	No	00300	OXYGEN, DISSOLVED	MG/L	09/09/74-12/19/91	17	62	
FRSP0108	No	00300	OXYGEN, DISSOLVED	MG/L	01/29/76-01/29/76	0	1	
FRSP0110	No	00300	OXYGEN, DISSOLVED	MG/L	07/26/89-10/01/91	2	7	
FRSP0111	No	00300	OXYGEN, DISSOLVED	MG/L	07/25/89-10/01/91	2	8	
FRSP0112	No	00300	OXYGEN, DISSOLVED	MG/L	05/27/76-11/12/91	15	22	
FRSP0048	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	09/13/68-09/13/68	0	1	
FRSP0002	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	03/31/69-07/16/74	5	6	
FRSP0008	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	03/31/69-07/16/74	5	6	
FRSP0010	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	22	193	T
FRSP0012	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	03/31/69-09/03/70	1	6	
FRSP0013	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	03/17/92-11/23/98	6	29	
FRSP0015	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	03/31/69-09/03/70	1	6	
FRSP0017	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	06/06/85-04/17/90	4	2	
FRSP0018	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	05/29/75-06/13/79	4	27	
FRSP0019	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	04/17/90-02/26/91	0	2	
FRSP0020	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	01/08/79-03/27/91	12	2	
FRSP0021	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	12/16/74-07/27/78	3	7	
FRSP0022	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	30	205	T,A,S
FRSP0023	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	22	124	
FRSP0025	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	7	82	
FRSP0026	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-02/18/88	19	94	
FRSP0027	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	19	142	
FRSP0028	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-09/02/77	8	11	
FRSP0032	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	05/14/70-05/14/70	0	1	
FRSP0033	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	01/10/88-03/15/94	6	105	
FRSP0036	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-02/23/76	7	13	
FRSP0040	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-03/18/71	2	12	
FRSP0042	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	06/08/77-06/08/77	0	1	
FRSP0043	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	03/06/84-11/23/98	14	26	
FRSP0045	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	08/16/88-08/28/90	2	97	
FRSP0048	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	06/03/69-12/17/98	29	126	S
FRSP0049	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	09/13/90-06/10/91	0	9	
FRSP0052	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	06/08/77-06/08/77	0	1	
FRSP0055	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	08/14/91-07/23/96	4	2	
FRSP0057	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	07/23/96-07/23/96	0	1	
FRSP0058	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	07/17/74-08/22/90	16	30	
FRSP0063	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	07/29/87-12/17/98	11	88	
FRSP0066	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	10/05/76-10/05/76	0	1	
FRSP0070	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	08/20/96-08/20/96	0	1	
FRSP0071	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	05/10/76-12/16/98	22	216	T,A
FRSP0081	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	06/28/76-10/05/76	0	2	
FRSP0083	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	09/03/75-09/03/75	0	1	
FRSP0084	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	03/27/91-10/21/98	7	22	
FRSP0087	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00310	BOD, 5 DAY, 20 DEG C	MG/L	05/22/91-05/22/91	0	1	
FRSP0098	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	09/03/75-09/03/75	0	1	
FRSP0102	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	09/03/75-09/03/75	0	1	
FRSP0103	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	09/03/75-03/10/81	5	3	
FRSP0104	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	03/26/70-01/13/71	0	20	
FRSP0107	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	01/12/76-11/04/98	22	61	
FRSP0108	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	01/29/76-01/29/76	0	1	
FRSP0112	No	00310	BOD, 5 DAY, 20 DEG C	MG/L	05/23/77-11/04/98	21	31	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0004	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	0	26	
FRSP0005	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	0	26	
FRSP0006	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	0	26	
FRSP0060	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	0	25	
FRSP0061	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	0	26	
FRSP0074	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	0	25	
FRSP0075	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	0	25	
FRSP0076	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		12/17/93-11/18/94	0	17	
FRSP0077	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	0	22	
FRSP0009	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	04/23/96-04/23/96	0	1	
FRSP0010	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	10	188	
FRSP0013	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/14/92-11/23/98	6	28	
FRSP0014	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/21/86-04/04/86	0	2	
FRSP0018	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-06/15/88	0	6	
FRSP0022	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	01/30/92-11/23/98	6	29	
FRSP0023	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	02/21/91-12/10/98	7	160	
FRSP0024	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/21/86-04/04/86	0	2	
FRSP0027	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	01/30/92-11/23/98	6	29	
FRSP0033	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	07/21/86-12/10/98	12	399	A
FRSP0043	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/24/94-11/23/98	4	25	
FRSP0048	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	12/12/91-12/17/98	7	63	
FRSP0049	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	10/09/90-12/05/90	0	2	
FRSP0055	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	07/23/96-07/23/96	0	1	
FRSP0057	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	01/22/92-12/17/98	6	63	
FRSP0070	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	08/20/96-08/20/96	0	1	
FRSP0071	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	11/19/91-12/16/98	7	80	
FRSP0084	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/31/92-10/21/98	6	20	
FRSP0107	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/24/92-11/04/98	6	24	
FRSP0112	No	00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	04/24/91-11/04/98	7	25	
FRSP0002	No	00300	OXYGEN, DISSOLVED	MG/L	07/02/68-10/06/75	7	47	
FRSP0008	No	00300	OXYGEN, DISSOLVED	MG/L	07/02/68-06/13/79	10	65	
FRSP0010	No	00300	OXYGEN, DISSOLVED	MG/L	06/24/76-09/29/87	11	64	
FRSP0012	No	00300	OXYGEN, DISSOLVED	MG/L	07/02/68-10/06/75	7	45	
FRSP0015	No	00300	OXYGEN, DISSOLVED	MG/L	07/02/68-08/28/74	6	37	
FRSP0017	No	00300	OXYGEN, DISSOLVED	MG/L	06/06/85-04/17/90	4	2	
FRSP0018	No	00300	OXYGEN, DISSOLVED	MG/L	09/26/74-06/13/79	4	27	
FRSP0019	No	00300	OXYGEN, DISSOLVED	MG/L	04/17/90-02/26/91	0	2	
FRSP0020	No	00300	OXYGEN, DISSOLVED	MG/L	02/25/75-03/27/91	16	46	
FRSP0021	No	00300	OXYGEN, DISSOLVED	MG/L	12/16/74-07/27/78	3	7	
FRSP0022	No	00300	OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	23	234	T,A
FRSP0023	No	00300	OXYGEN, DISSOLVED	MG/L	05/11/76-06/13/79	3	18	
FRSP0025	No	00300	OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	9	93	
FRSP0026	No	00300	OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	19	149	
FRSP0027	No	00300	OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	17	164	A
FRSP0028	No	00300	OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	9	73	
FRSP0029	Yes	00300	OXYGEN, DISSOLVED	MG/L	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00300	OXYGEN, DISSOLVED	MG/L	09/22/95-02/15/96	0	4	
FRSP0032	No	00300	OXYGEN, DISSOLVED	MG/L	02/12/70-06/25/70	0	5	
FRSP0033	No	00300	OXYGEN, DISSOLVED	MG/L	07/21/86-12/23/96	10	52	
FRSP0035	Yes	00300	OXYGEN, DISSOLVED	MG/L	09/25/95-12/01/95	0	2	
FRSP0036	No	00300	OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	7	68	
FRSP0040	No	00300	OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	10	87	
FRSP0042	No	00300	OXYGEN, DISSOLVED	MG/L	06/08/77-06/08/77	0	1	
FRSP0043	No	00300	OXYGEN, DISSOLVED	MG/L	03/06/84-03/06/84	0	1	
FRSP0045	No	00300	OXYGEN, DISSOLVED	MG/L	12/30/77-04/28/94	16	346	
FRSP0048	No	00300	OXYGEN, DISSOLVED	MG/L	07/02/68-10/28/91	23	117	
FRSP0049	No	00300	OXYGEN, DISSOLVED	MG/L	05/12/72-06/10/91	19	82	
FRSP0052	No	00300	OXYGEN, DISSOLVED	MG/L	06/08/77-06/08/77	0	1	
FRSP0055	No	00300	OXYGEN, DISSOLVED	MG/L	08/14/91-08/14/91	0	1	
FRSP0058	No	00300	OXYGEN, DISSOLVED	MG/L	04/09/73-08/22/90	17	69	
FRSP0062	Yes	00300	OXYGEN, DISSOLVED	MG/L	10/23/95-12/04/95	0	2	
FRSP0065	No	00300	OXYGEN, DISSOLVED	MG/L	07/29/87-08/22/90	3	28	
FRSP0066	No	00300	OXYGEN, DISSOLVED	MG/L	10/05/76-10/05/76	0	1	
FRSP0072	No	00300	OXYGEN, DISSOLVED	MG/L	06/03/76-06/04/79	3	17	
FRSP0078	No	00300	OXYGEN, DISSOLVED	MG/L	01/14/93-02/15/96	3	35	
FRSP0080	No	00300	OXYGEN, DISSOLVED	MG/L	09/16/74-10/21/91	17	175	A
FRSP0081	No	00300	OXYGEN, DISSOLVED	MG/L	06/28/76-10/05/76	0	2	
FRSP0083	No	00300	OXYGEN, DISSOLVED	MG/L	09/03/75-09/03/75	0	1	
FRSP0084	No	00300	OXYGEN, DISSOLVED	MG/L	12/27/90-06/27/91	0	3	

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Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0070	No	00400	PH (STANDARD UNITS)		08/20/96-08/20/96	0	1	
FRSP0071	No	00400	PH (STANDARD UNITS)		08/20/96-08/20/96	0	1	
FRSP0072	No	00400	PH (STANDARD UNITS)		06/03/76-06/04/79	3	17	
FRSP0080	No	00400	PH (STANDARD UNITS)		09/16/74-12/16/98	24	248	T,A
FRSP0081	No	00400	PH (STANDARD UNITS)		06/28/76-10/05/76	0	2	
FRSP0083	No	00400	PH (STANDARD UNITS)		09/03/75-09/03/75	0	1	
FRSP0084	No	00400	PH (STANDARD UNITS)		12/27/90-10/21/98	7	23	
FRSP0085	No	00400	PH (STANDARD UNITS)		08/19/91-08/19/91	0	1	
FRSP0086	No	00400	PH (STANDARD UNITS)		07/24/89-10/01/91	2	8	
FRSP0087	No	00400	PH (STANDARD UNITS)		09/03/75-05/22/91	15	2	
FRSP0090	No	00400	PH (STANDARD UNITS)		08/20/91-08/20/91	0	1	
FRSP0095	Yes	00400	PH (STANDARD UNITS)		05/22/91-05/22/91	0	1	
FRSP0097	No	00400	PH (STANDARD UNITS)		07/24/89-10/01/91	2	9	
FRSP0098	No	00400	PH (STANDARD UNITS)		09/03/75-09/03/75	0	1	
FRSP0101	No	00400	PH (STANDARD UNITS)		07/24/89-03/30/91	1	6	
FRSP0102	No	00400	PH (STANDARD UNITS)		09/03/75-09/03/75	0	1	
FRSP0103	No	00400	PH (STANDARD UNITS)		09/03/75-03/10/81	5	3	
FRSP0105	No	00400	PH (STANDARD UNITS)		08/20/91-08/20/91	0	1	
FRSP0106	No	00400	PH (STANDARD UNITS)		07/24/89-10/01/91	2	9	
FRSP0107	No	00400	PH (STANDARD UNITS)		09/09/74-11/04/98	24	82	
FRSP0108	No	00400	PH (STANDARD UNITS)		01/29/76-01/29/76	0	1	
FRSP0109	No	00400	PH (STANDARD UNITS)		09/01/77-09/01/77	0	1	
FRSP0110	No	00400	PH (STANDARD UNITS)		07/26/89-10/01/91	2	7	
FRSP0111	No	00400	PH (STANDARD UNITS)		09/06/89-10/01/91	2	7	
FRSP0112	No	00400	PH (STANDARD UNITS)		05/27/76-11/04/98	22	47	
FRSP0002	No	00403	PH, LAB, STANDARD UNITS	SU	03/31/69-05/27/70	1	4	
FRSP0003	No	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	26	
FRSP0004	No	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	26	
FRSP0005	No	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	26	
FRSP0006	No	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	26	
FRSP0008	No	00403	PH, LAB, STANDARD UNITS	SU	03/31/69-05/27/70	1	5	
FRSP0010	No	00403	PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	12	131	
FRSP0012	No	00403	PH, LAB, STANDARD UNITS	SU	03/31/69-09/03/70	1	6	
FRSP0013	No	00403	PH, LAB, STANDARD UNITS	SU	03/17/92-11/23/98	6	29	
FRSP0014	No	00403	PH, LAB, STANDARD UNITS	SU	03/21/86-04/04/86	0	2	
FRSP0015	No	00403	PH, LAB, STANDARD UNITS	SU	03/31/69-09/03/70	1	6	
FRSP0017	No	00403	PH, LAB, STANDARD UNITS	SU	06/06/85-04/17/90	4	2	
FRSP0018	No	00403	PH, LAB, STANDARD UNITS	SU	05/29/75-05/29/75	0	1	
FRSP0019	No	00403	PH, LAB, STANDARD UNITS	SU	04/17/90-02/26/91	0	2	
FRSP0020	No	00403	PH, LAB, STANDARD UNITS	SU	12/27/90-03/27/91	0	2	
FRSP0021	No	00403	PH, LAB, STANDARD UNITS	SU	12/16/74-09/21/76	1	3	
FRSP0022	No	00403	PH, LAB, STANDARD UNITS	SU	10/08/68-11/23/98	30	86	S
FRSP0023	No	00403	PH, LAB, STANDARD UNITS	SU	02/21/91-12/10/98	7	101	
FRSP0024	No	00403	PH, LAB, STANDARD UNITS	SU	03/21/86-04/04/86	0	2	
FRSP0025	No	00403	PH, LAB, STANDARD UNITS	SU	02/23/83-06/17/87	4	10	
FRSP0026	No	00403	PH, LAB, STANDARD UNITS	SU	10/08/68-02/18/88	19	22	
FRSP0027	No	00403	PH, LAB, STANDARD UNITS	SU	07/26/83-11/23/98	15	79	
FRSP0028	No	00403	PH, LAB, STANDARD UNITS	SU	10/08/68-05/31/70	1	9	
FRSP0033	No	00403	PH, LAB, STANDARD UNITS	SU	02/21/89-03/15/94	5	80	
FRSP0036	No	00403	PH, LAB, STANDARD UNITS	SU	10/08/68-05/31/70	1	8	
FRSP0040	No	00403	PH, LAB, STANDARD UNITS	SU	10/08/68-09/02/70	1	9	
FRSP0042	No	00403	PH, LAB, STANDARD UNITS	SU	06/08/77-06/08/77	0	1	
FRSP0043	No	00403	PH, LAB, STANDARD UNITS	SU	03/06/84-11/23/98	14	25	
FRSP0045	No	00403	PH, LAB, STANDARD UNITS	SU	11/06/80-08/23/93	12	118	
FRSP0048	No	00403	PH, LAB, STANDARD UNITS	SU	06/03/69-12/17/98	29	85	S
FRSP0049	No	00403	PH, LAB, STANDARD UNITS	SU	09/13/90-06/10/91	0	10	
FRSP0052	No	00403	PH, LAB, STANDARD UNITS	SU	06/08/77-06/08/77	0	1	
FRSP0055	No	00403	PH, LAB, STANDARD UNITS	SU	08/14/91-07/23/96	4	2	
FRSP0057	No	00403	PH, LAB, STANDARD UNITS	SU	07/23/96-07/23/96	0	1	
FRSP0058	No	00403	PH, LAB, STANDARD UNITS	SU	07/29/87-08/22/90	3	29	
FRSP0060	Yes	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	26	
FRSP0061	Yes	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	26	
FRSP0063	No	00403	PH, LAB, STANDARD UNITS	SU	08/20/96-08/20/96	0	1	
FRSP0065	No	00403	PH, LAB, STANDARD UNITS	SU	07/29/87-12/17/98	11	90	
FRSP0066	No	00403	PH, LAB, STANDARD UNITS	SU	10/05/76-10/05/76	0	1	
FRSP0070	No	00403	PH, LAB, STANDARD UNITS	SU	08/20/96-08/20/96	0	1	
FRSP0071	No	00403	PH, LAB, STANDARD UNITS	SU	08/20/96-08/20/96	0	1	
FRSP0074	No	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	25	
FRSP0075	Yes	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	25	
FRSP0076	Yes	00403	PH, LAB, STANDARD UNITS	SU	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	0	22	
FRSP0080	No	00403	PH, LAB, STANDARD UNITS	SU	03/19/86-12/16/98	12	135	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0033	No	00335	COD, .025N K2CR2O7	MG/L	01/10/88-01/03/90	1	69	
FRSP0045	No	00335	COD, .025N K2CR2O7	MG/L	10/13/89-10/13/89	0	1	
FRSP0010	No	00340	COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	19	121	
FRSP0013	No	00340	COD, .25N K2CR2O7	MG/L	03/17/92-11/23/98	6	26	
FRSP0017	No	00340	COD, .25N K2CR2O7	MG/L	06/06/85-04/17/90	4	2	
FRSP0019	No	00340	COD, .25N K2CR2O7	MG/L	04/17/90-02/26/91	0	2	
FRSP0020	No	00340	COD, .25N K2CR2O7	MG/L	12/27/90-03/27/91	0	2	
FRSP0021	No	00340	COD, .25N K2CR2O7	MG/L	12/16/74-07/27/78	3	7	
FRSP0022	No	00340	COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	24	151	T
FRSP0023	No	00340	COD, .25N K2CR2O7	MG/L	03/21/91-12/10/98	7	57	
FRSP0025	No	00340	COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	7	82	
FRSP0026	No	00340	COD, .25N K2CR2O7	MG/L	07/25/79-02/18/88	8	57	
FRSP0027	No	00340	COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	19	142	
FRSP0033	No	00340	COD, .25N K2CR2O7	MG/L	01/16/90-12/20/90	0	35	
FRSP0042	No	00340	COD, .25N K2CR2O7	MG/L	06/08/77-06/08/77	0	1	
FRSP0043	No	00340	COD, .25N K2CR2O7	MG/L	03/06/84-11/23/98	14	24	
FRSP0045	No	00340	COD, .25N K2CR2O7	MG/L	10/02/89-12/20/90	1	40	
FRSP0048	No	00340	COD, .25N K2CR2O7	MG/L	05/22/79-12/17/98	19	71	
FRSP0049	No	00340	COD, .25N K2CR2O7	MG/L	09/13/90-06/10/91	0	10	
FRSP0052	No	00340	COD, .25N K2CR2O7	MG/L	06/08/77-06/08/77	0	1	
FRSP0055	No	00340	COD, .25N K2CR2O7	MG/L	07/23/96-07/23/96	0	1	
FRSP0057	No	00340	COD, .25N K2CR2O7	MG/L	07/23/96-07/23/96	0	1	
FRSP0058	No	00340	COD, .25N K2CR2O7	MG/L	07/29/87-08/22/90	3	29	
FRSP0063	No	00340	COD, .25N K2CR2O7	MG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	00340	COD, .25N K2CR2O7	MG/L	07/29/87-12/17/98	11	84	
FRSP0066	No	00340	COD, .25N K2CR2O7	MG/L	10/05/76-10/05/76	0	1	
FRSP0070	No	00340	COD, .25N K2CR2O7	MG/L	08/20/96-08/20/96	0	1	
FRSP0071	No	00340	COD, .25N K2CR2O7	MG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	00340	COD, .25N K2CR2O7	MG/L	07/30/79-12/16/98	19	206	A
FRSP0081	No	00340	COD, .25N K2CR2O7	MG/L	06/28/76-10/05/76	0	2	
FRSP0083	No	00340	COD, .25N K2CR2O7	MG/L	09/03/75-09/03/75	0	1	
FRSP0084	No	00340	COD, .25N K2CR2O7	MG/L	12/27/90-01/27/98	7	20	
FRSP0087	No	00340	COD, .25N K2CR2O7	MG/L	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00340	COD, .25N K2CR2O7	MG/L	05/22/91-05/22/91	0	1	
FRSP0098	No	00340	COD, .25N K2CR2O7	MG/L	09/03/75-09/03/75	0	1	
FRSP0102	No	00340	COD, .25N K2CR2O7	MG/L	09/03/75-09/03/75	0	1	
FRSP0103	No	00340	COD, .25N K2CR2O7	MG/L	09/03/75-03/10/81	5	3	
FRSP0107	No	00340	COD, .25N K2CR2O7	MG/L	07/09/87-11/04/98	11	60	
FRSP0108	No	00340	COD, .25N K2CR2O7	MG/L	01/29/76-01/29/76	0	1	
FRSP0112	No	00340	COD, .25N K2CR2O7	MG/L	12/19/90-11/04/98	7	29	
FRSP0002	No	00400	PH (STANDARD UNITS)		07/02/68-10/06/75	7	46	
FRSP0008	No	00400	PH (STANDARD UNITS)		07/02/68-06/13/79	10	65	
FRSP0009	No	00400	PH (STANDARD UNITS)		04/23/96-04/23/96	0	1	
FRSP0010	No	00400	PH (STANDARD UNITS)		05/11/76-12/10/98	22	223	T
FRSP0012	No	00400	PH (STANDARD UNITS)		07/02/68-10/06/75	7	43	
FRSP0013	No	00400	PH (STANDARD UNITS)		05/14/92-11/23/98	6	27	
FRSP0015	No	00400	PH (STANDARD UNITS)		07/02/68-08/28/74	6	37	
FRSP0017	No	00400	PH (STANDARD UNITS)		06/06/85-06/06/85	0	1	
FRSP0018	No	00400	PH (STANDARD UNITS)		09/26/74-06/01/88	13	29	
FRSP0019	No	00400	PH (STANDARD UNITS)		02/26/91-02/26/91	0	1	
FRSP0020	No	00400	PH (STANDARD UNITS)		02/25/75-03/27/91	16	46	
FRSP0021	No	00400	PH (STANDARD UNITS)		12/16/74-07/27/78	3	7	
FRSP0022	No	00400	PH (STANDARD UNITS)		08/06/68-11/23/98	30	258	T,A,S
FRSP0023	No	00400	PH (STANDARD UNITS)		06/24/76-12/10/98	22	154	
FRSP0025	No	00400	PH (STANDARD UNITS)		03/07/78-06/17/87	9	93	
FRSP0026	No	00400	PH (STANDARD UNITS)		07/01/68-02/18/88	19	151	
FRSP0027	No	00400	PH (STANDARD UNITS)		09/03/74-11/23/98	24	190	T,A
FRSP0028	No	00400	PH (STANDARD UNITS)		08/06/68-01/27/78	9	73	
FRSP0032	No	00400	PH (STANDARD UNITS)		02/12/70-05/29/70	0	4	
FRSP0033	No	00400	PH (STANDARD UNITS)		07/21/86-12/10/98	12	441	A
FRSP0036	No	00400	PH (STANDARD UNITS)		07/01/68-02/23/76	7	68	
FRSP0040	No	00400	PH (STANDARD UNITS)		07/01/68-06/04/79	10	87	
FRSP0043	No	00400	PH (STANDARD UNITS)		03/06/84-11/23/98	14	26	
FRSP0045	No	00400	PH (STANDARD UNITS)		10/04/67-04/28/94	26	574	T,A,S
FRSP0048	No	00400	PH (STANDARD UNITS)		07/02/68-12/17/98	30	181	T,S
FRSP0049	No	00400	PH (STANDARD UNITS)		05/12/72-06/10/91	19	86	
FRSP0055	No	00400	PH (STANDARD UNITS)		08/14/91-07/23/96	4	2	
FRSP0057	No	00400	PH (STANDARD UNITS)		07/23/96-07/23/96	0	1	
FRSP0058	No	00400	PH (STANDARD UNITS)		04/09/73-08/22/90	17	68	
FRSP0063	No	00400	PH (STANDARD UNITS)		08/20/96-08/20/96	0	1	
FRSP0065	No	00400	PH (STANDARD UNITS)		07/29/87-12/17/98	11	88	
FRSP0066	No	00400	PH (STANDARD UNITS)		10/05/76-10/05/76	0	1	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0107	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/87-11/04/98	11	60	
FRSP0109	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/01/77-09/01/77	0	1	
FRSP0112	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/90-11/04/98	7	30	
FRSP0014	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/21/86-04/04/86	0	2	
FRSP0024	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/21/86-04/04/86	0	2	
FRSP0045	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	10	232	
FRSP0045	No	00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	10	228	
FRSP0045	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/20/87-04/28/94	6	35	
FRSP0045	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/20/87-04/28/94	6	35	
FRSP0008	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0010	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0018	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0023	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0026	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0080	No	00480	SALINITY - PARTS PER THOUSAND	02/27/91-02/27/91	0	1	
FRSP0002	No	00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	19	44	
FRSP0012	No	00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00500	RESIDUE, TOTAL (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00500	RESIDUE, TOTAL (MG/L)	06/06/85-06/06/85	0	1	
FRSP0018	No	00500	RESIDUE, TOTAL (MG/L)	06/19/75-07/28/75	0	3	
FRSP0019	No	00500	RESIDUE, TOTAL (MG/L)	02/26/91-02/26/91	0	1	
FRSP0020	No	00500	RESIDUE, TOTAL (MG/L)	08/19/76-03/27/91	14	3	
FRSP0021	No	00500	RESIDUE, TOTAL (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	30	72	S
FRSP0023	No	00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	6	40	
FRSP0025	No	00500	RESIDUE, TOTAL (MG/L)	07/30/79-10/29/79	0	4	
FRSP0026	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-10/23/79	11	29	
FRSP0027	No	00500	RESIDUE, TOTAL (MG/L)	07/03/79-11/23/98	19	58	
FRSP0028	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-11/25/70	2	9	
FRSP0036	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00500	RESIDUE, TOTAL (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00500	RESIDUE, TOTAL (MG/L)	03/06/84-11/23/98	14	26	
FRSP0048	No	00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	29	89	S
FRSP0049	No	00500	RESIDUE, TOTAL (MG/L)	08/19/76-06/10/91	14	11	
FRSP0052	No	00500	RESIDUE, TOTAL (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00500	RESIDUE, TOTAL (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00500	RESIDUE, TOTAL (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00500	RESIDUE, TOTAL (MG/L)	11/28/88-08/22/90	1	16	
FRSP0063	No	00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	10	77	
FRSP0066	No	00500	RESIDUE, TOTAL (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	19	114	
FRSP0081	No	00500	RESIDUE, TOTAL (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00500	RESIDUE, TOTAL (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00500	RESIDUE, TOTAL (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00500	RESIDUE, TOTAL (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00500	RESIDUE, TOTAL (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00500	RESIDUE, TOTAL (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00500	RESIDUE, TOTAL (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00500	RESIDUE, TOTAL (MG/L)	12/07/88-11/04/98	9	46	
FRSP0108	No	00500	RESIDUE, TOTAL (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00500	RESIDUE, TOTAL (MG/L)	12/19/90-11/04/98	7	30	
FRSP0002	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	19	44	
FRSP0012	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/06/85-06/06/85	0	1	
FRSP0018	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/19/75-07/28/75	0	3	
FRSP0019	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/26/91-02/26/91	0	1	
FRSP0020	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/19/76-03/27/91	14	3	
FRSP0021	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	30	72	S
FRSP0023	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	6	40	
FRSP0025	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-10/29/79	0	4	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0081	No	00403	PH, LAB, STANDARD UNITS	SU	10/05/76-10/05/76	0	1	
FRSP0083	No	00403	PH, LAB, STANDARD UNITS	SU	09/03/75-09/03/75	0	1	
FRSP0084	No	00403	PH, LAB, STANDARD UNITS	SU	12/27/90-10/21/98	7	23	
FRSP0086	No	00403	PH, LAB, STANDARD UNITS	SU	07/24/89-03/30/91	1	3	
FRSP0087	No	00403	PH, LAB, STANDARD UNITS	SU	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00403	PH, LAB, STANDARD UNITS	SU	05/22/91-05/22/91	0	1	
FRSP0097	No	00403	PH, LAB, STANDARD UNITS	SU	07/24/89-03/30/91	1	3	
FRSP0098	No	00403	PH, LAB, STANDARD UNITS	SU	09/03/75-09/03/75	0	1	
FRSP0101	No	00403	PH, LAB, STANDARD UNITS	SU	07/24/89-03/30/91	1	3	
FRSP0102	No	00403	PH, LAB, STANDARD UNITS	SU	09/03/75-09/03/75	0	1	
FRSP0103	No	00403	PH, LAB, STANDARD UNITS	SU	09/03/75-03/10/81	5	3	
FRSP0106	No	00403	PH, LAB, STANDARD UNITS	SU	07/25/89-03/30/91	1	3	
FRSP0107	No	00403	PH, LAB, STANDARD UNITS	SU	07/09/87-11/04/98	11	60	
FRSP0111	No	00403	PH, LAB, STANDARD UNITS	SU	07/25/89-03/30/91	1	3	
FRSP0112	No	00403	PH, LAB, STANDARD UNITS	SU	12/19/90-11/04/98	7	30	
FRSP0045	No	00405	CARBON DIOXIDE (MG/L AS CO2)		10/02/72-05/23/79	6	47	
FRSP0029	Yes	00406	PH, FIELD, STANDARD UNITS	SU	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00406	PH, FIELD, STANDARD UNITS	SU	09/22/95-02/15/96	0	4	
FRSP0035	Yes	00406	PH, FIELD, STANDARD UNITS	SU	09/25/95-12/01/95	0	2	
FRSP0062	Yes	00406	PH, FIELD, STANDARD UNITS	SU	10/23/95-12/04/95	0	2	
FRSP0078	No	00406	PH, FIELD, STANDARD UNITS	SU	01/14/93-03/21/96	3	36	
FRSP0088	No	00406	PH, FIELD, STANDARD UNITS	SU	01/20/93-10/27/95	2	36	
FRSP0089	No	00406	PH, FIELD, STANDARD UNITS	SU	01/20/93-04/04/96	3	37	
FRSP0092	Yes	00406	PH, FIELD, STANDARD UNITS	SU	01/20/93-04/25/96	3	32	
FRSP0093	Yes	00406	PH, FIELD, STANDARD UNITS	SU	01/20/93-08/28/95	2	25	
FRSP0094	Yes	00406	PH, FIELD, STANDARD UNITS	SU	01/20/93-04/18/96	3	37	
FRSP0014	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	03/21/86-04/04/86	0	2	
FRSP0024	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	03/21/86-04/04/86	0	2	
FRSP0002	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/31/69-05/27/70	1	5	
FRSP0008	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/31/69-05/27/70	1	5	
FRSP0010	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	12	131	
FRSP0012	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/31/69-09/03/70	1	6	
FRSP0013	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/17/92-11/23/98	6	29	
FRSP0015	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/31/69-09/03/70	1	6	
FRSP0017	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		06/06/85-04/17/90	4	2	
FRSP0018	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/29/75-05/29/75	0	1	
FRSP0019	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		04/17/90-02/26/91	0	2	
FRSP0020	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		12/27/90-03/27/91	0	2	
FRSP0021	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		12/16/74-09/21/76	1	3	
FRSP0022	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-11/23/98	30	85	S
FRSP0023	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/91-12/10/98	7	99	
FRSP0025	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		02/23/83-06/17/87	4	10	
FRSP0026	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-02/18/88	19	21	
FRSP0027	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		07/26/83-11/23/98	15	79	
FRSP0028	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-05/07/70	1	8	
FRSP0032	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		07/30/70-07/30/70	0	1	
FRSP0033	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/89-03/15/94	5	82	
FRSP0036	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-05/07/70	1	7	
FRSP0040	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-05/07/70	1	8	
FRSP0042	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		06/08/77-06/08/77	0	1	
FRSP0043	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	14	26	
FRSP0045	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/04/67-08/28/90	22	307	T
FRSP0048	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		06/03/69-12/17/98	29	85	S
FRSP0049	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		09/13/90-06/10/91	0	10	
FRSP0052	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		06/08/77-06/08/77	0	1	
FRSP0055	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		08/14/91-07/23/96	4	2	
FRSP0057	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		07/23/96-07/23/96	0	1	
FRSP0058	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		07/29/87-08/22/90	3	29	
FRSP0063	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		08/20/96-08/20/96	0	1	
FRSP0065	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		07/29/87-12/17/98	11	89	
FRSP0066	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/05/76-10/05/76	0	1	
FRSP0070	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		08/20/96-08/20/96	0	1	
FRSP0071	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		08/20/96-08/20/96	0	1	
FRSP0080	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/19/86-12/16/98	12	135	
FRSP0081	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/05/76-10/05/76	0	1	
FRSP0083	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		09/03/75-09/03/75	0	1	
FRSP0084	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		12/27/90-10/21/98	7	23	
FRSP0087	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		09/03/75-05/22/91	15	2	
FRSP0095	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/22/91-05/22/91	0	1	
FRSP0098	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		09/03/75-09/03/75	0	1	
FRSP0102	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		09/03/75-09/03/75	0	1	
FRSP0103	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		09/03/75-03/10/81	5	3	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0017	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	04/17/90-04/17/90	0	1	
FRSP0019	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	04/17/90-02/26/91	0	2	
FRSP0026	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	06/29/77-06/29/77	0	1	
FRSP0032	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	07/30/70-07/30/70	0	1	
FRSP0033	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	10/26/98-10/26/98	0	1	
FRSP0043	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	03/24/94-03/24/94	0	1	
FRSP0080	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	05/21/98-05/21/98	0	1	
FRSP0002	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	240	T
FRSP0012	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/06/85-04/17/90	4	2	
FRSP0018	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	30	
FRSP0019	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/90-02/26/91	0	2	
FRSP0020	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-03/27/91	0	2	
FRSP0021	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	29	204	T,A,S
FRSP0023	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	165	
FRSP0025	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	7	82	
FRSP0026	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-02/18/88	19	87	
FRSP0027	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	19	144	
FRSP0028	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	9	
FRSP0032	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/70-07/30/70	0	1	
FRSP0033	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	10	423	
FRSP0036	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/06/84-11/23/98	14	26	
FRSP0045	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	5	256	
FRSP0048	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	29	125	S
FRSP0049	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/13/90-06/10/91	0	10	
FRSP0052	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-08/22/90	3	29	
FRSP0063	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	11	89	
FRSP0066	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	22	218	T,A
FRSP0081	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/87-11/04/98	11	60	
FRSP0108	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/19/90-11/04/98	7	30	
FRSP0002	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	5	
FRSP0010	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	241	T
FRSP0012	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	5	
FRSP0017	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/06/85-04/17/90	4	2	
FRSP0018	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	29	
FRSP0019	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/17/90-02/26/91	0	2	
FRSP0020	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-03/27/91	0	2	
FRSP0021	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	30	205	T,A,S
FRSP0023	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	165	
FRSP0025	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	7	82	
FRSP0026	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-02/18/88	19	87	
FRSP0027	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	19	144	
FRSP0028	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	9	
FRSP0033	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	10	423	
FRSP0036	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	8	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0026	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-10/23/79	11	29	
FRSP0027	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/03/79-11/23/98	19	58	
FRSP0028	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/25/70	2	9	
FRSP0036	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/06/84-11/23/98	14	26	
FRSP0048	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	29	89	S
FRSP0049	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/19/76-06/10/91	14	11	
FRSP0052	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-08/22/90	1	16	
FRSP0063	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	10	77	
FRSP0066	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	19	113	
FRSP0081	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/07/88-11/04/98	9	45	
FRSP0108	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/19/90-11/04/98	7	29	
FRSP0002	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	19	44	
FRSP0012	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/06/85-06/06/85	0	1	
FRSP0018	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/19/75-07/28/75	0	3	
FRSP0019	No	00510	RESIDUE, TOTAL FIXED (MG/L)	02/26/91-02/26/91	0	1	
FRSP0020	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/19/76-03/27/91	14	3	
FRSP0021	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	30	72	S
FRSP0023	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	6	40	
FRSP0025	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-10/29/79	0	4	
FRSP0026	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-10/23/79	11	29	
FRSP0027	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/03/79-11/23/98	19	58	
FRSP0028	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/25/70	2	9	
FRSP0036	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/06/84-11/23/98	14	26	
FRSP0048	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	29	89	S
FRSP0049	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/19/76-06/10/91	14	11	
FRSP0052	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-08/22/90	1	16	
FRSP0063	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	10	77	
FRSP0066	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	19	114	
FRSP0081	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00510	RESIDUE, TOTAL FIXED (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/07/88-11/04/98	9	45	
FRSP0108	No	00510	RESIDUE, TOTAL FIXED (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/19/90-11/04/98	7	29	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0045	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/31/78-05/08/81	3	25	
FRSP0033	No	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	02/20/96-06/21/96	0	21	
FRSP0033	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	02/20/96-06/21/96	0	22	
FRSP0045	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/05/79-05/08/81	1	12	
FRSP0045	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/31/78-05/08/81	3	25	
FRSP0045	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/05/79-05/08/81	1	12	
FRSP0010	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	6	137	
FRSP0018	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	0	6	
FRSP0023	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	3	105	
FRSP0033	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	456	A
FRSP0045	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	14	329	
FRSP0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0002	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	36	
FRSP0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0008	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-06/13/79	9	57	
FRSP0010	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	22	103	
FRSP0011	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0012	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	36	
FRSP0013	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/92-11/23/98	6	29	
FRSP0015	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-08/28/74	4	28	
FRSP0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/70-08/28/70	0	1	
FRSP0017	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/85-04/17/90	4	2	
FRSP0018	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/74-06/13/79	4	26	
FRSP0019	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/90-02/26/91	0	2	
FRSP0020	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	15	44	
FRSP0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/16/74-07/27/78	3	7	
FRSP0022	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	28	248	T,A,S
FRSP0023	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	22	61	
FRSP0025	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	9	87	
FRSP0026	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	18	134	
FRSP0027	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	24	188	T,A
FRSP0028	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	7	67	
FRSP0033	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/94-08/08/94	0	4	
FRSP0036	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	5	58	
FRSP0040	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	9	52	
FRSP0042	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0043	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/06/84-11/23/98	14	26	
FRSP0045	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/30/77-08/26/92	14	67	
FRSP0047	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/12/69-08/11/70	1	51	
FRSP0048	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	28	154	T,S
FRSP0049	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	19	82	
FRSP0052	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0055	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/91-07/23/96	4	3	
FRSP0057	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/96-07/23/96	0	1	
FRSP0058	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/09/73-08/22/90	17	65	
FRSP0063	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0065	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	11	89	
FRSP0066	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/76-10/05/76	0	1	
FRSP0070	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0071	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0072	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/76-06/04/79	3	17	
FRSP0080	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	24	255	T,A
FRSP0081	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/76-10/05/76	0	2	
FRSP0083	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0084	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/27/90-10/21/98	7	24	
FRSP0086	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0087	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/91-05/22/91	0	1	
FRSP0097	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0098	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0101	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0102	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0103	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-03/10/81	5	3	
FRSP0104	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/70-01/13/71	0	22	
FRSP0106	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0107	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/09/74-11/04/98	24	90	
FRSP0108	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-01/29/76	0	1	
FRSP0111	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0112	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/76-11/04/98	22	48	
FRSP0010	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	6	137	
FRSP0018	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	0	6	
FRSP0023	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	3	106	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0040	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/06/84-11/23/98	14	26	
FRSP0045	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	5	255	
FRSP0048	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	29	125	S
FRSP0049	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/13/90-06/10/91	0	10	
FRSP0052	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-08/22/90	3	29	
FRSP0063	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	11	90	
FRSP0066	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	22	218	T,A
FRSP0081	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/09/87-11/04/98	11	60	
FRSP0108	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/19/90-11/04/98	7	29	
FRSP0002	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	241	T
FRSP0012	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/06/85-04/17/90	4	2	
FRSP0018	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	30	
FRSP0019	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/17/90-02/26/91	0	2	
FRSP0020	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-03/27/91	0	2	
FRSP0021	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	29	202	T,A,S
FRSP0023	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	165	
FRSP0025	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	7	82	
FRSP0026	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-02/18/88	19	87	
FRSP0027	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	19	144	
FRSP0028	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	9	
FRSP0033	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	10	423	
FRSP0036	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/06/84-11/23/98	14	26	
FRSP0045	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	5	231	
FRSP0048	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	29	125	S
FRSP0049	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/13/90-06/10/91	0	10	
FRSP0052	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-08/22/90	3	29	
FRSP0063	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	11	89	
FRSP0066	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	22	218	T,A
FRSP0081	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/09/87-11/04/98	11	60	
FRSP0108	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/19/90-11/04/98	7	29	
FRSP0080	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/28/83-03/28/83	0	1	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0022	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	28	217	T,A,S
FRSP0023	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	22	44	
FRSP0025	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	7	80	
FRSP0026	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	18	120	
FRSP0027	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	24	160	T
FRSP0028	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	6	61	
FRSP0033	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/94-07/08/94	0	1	
FRSP0036	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	5	59	
FRSP0040	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	6	37	
FRSP0042	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0043	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	14	26	
FRSP0048	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	28	128	S
FRSP0049	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	19	56	
FRSP0052	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0055	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/14/91-07/23/96	4	3	
FRSP0057	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/23/96-07/23/96	0	1	
FRSP0058	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	17	51	
FRSP0063	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0065	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	11	90	
FRSP0066	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/76-10/05/76	0	1	
FRSP0070	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0071	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0080	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	24	226	T,A
FRSP0081	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/76-10/05/76	0	2	
FRSP0083	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0084	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	7	24	
FRSP0087	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/22/91-05/22/91	0	1	
FRSP0098	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0102	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0103	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-03/10/81	5	3	
FRSP0107	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	24	77	
FRSP0108	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/29/76-01/29/76	0	1	
FRSP0112	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/19/90-11/04/98	7	29	
FRSP0045	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/30/77-08/27/91	13	27	
FRSP0047	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/12/69-04/20/70	0	36	
FRSP0045	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	01/31/78-05/08/81	3	25	
FRSP0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0002	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0007	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-07/29/70	0	1	
FRSP0008	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-06/13/79	9	57	
FRSP0010	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	22	216	T
FRSP0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0012	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0013	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	6	29	
FRSP0015	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-08/28/74	4	29	
FRSP0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/70-08/28/70	0	1	
FRSP0017	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/85-04/17/90	4	2	
FRSP0018	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/26/74-06/15/88	13	32	
FRSP0019	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/90-02/26/91	0	2	
FRSP0020	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	15	44	
FRSP0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/16/74-07/27/78	3	7	
FRSP0022	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	28	243	T,A,S
FRSP0023	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	22	145	
FRSP0025	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	9	84	
FRSP0026	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	18	133	
FRSP0027	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	24	187	T,A
FRSP0028	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	7	68	
FRSP0032	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/12/70-06/25/70	0	5	
FRSP0033	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	8	357	
FRSP0036	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	5	59	
FRSP0040	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	9	52	
FRSP0042	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0043	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/06/84-11/23/98	14	26	
FRSP0045	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	16	341	
FRSP0047	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/12/69-08/11/70	1	54	
FRSP0048	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	28	153	T,S
FRSP0049	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	19	82	
FRSP0052	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0055	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/14/91-07/23/96	4	3	
FRSP0057	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/96-07/23/96	0	1	
FRSP0058	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/09/73-08/22/90	17	65	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0033	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	455	A
FRSP0045	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	19	307	
FRSP0107	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/90-08/09/90	0	1	
FRSP0002	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0008	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-06/13/79	9	58	
FRSP0010	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	22	102	
FRSP0012	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0013	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	6	29	
FRSP0015	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-08/28/74	4	29	
FRSP0017	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/85-04/17/90	4	2	
FRSP0018	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/26/74-06/13/79	4	27	
FRSP0019	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/17/90-02/26/91	0	2	
FRSP0020	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	15	44	
FRSP0021	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/16/74-07/27/78	3	7	
FRSP0022	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	28	248	T,A,S
FRSP0023	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	22	61	
FRSP0025	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	9	88	
FRSP0026	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	18	134	
FRSP0027	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	24	190	T,A
FRSP0028	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	7	68	
FRSP0033	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/92-07/08/94	1	2	
FRSP0036	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	5	59	
FRSP0040	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	9	52	
FRSP0042	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0043	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	14	26	
FRSP0045	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/15/90-08/26/92	1	11	
FRSP0048	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	28	153	T,S
FRSP0049	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	19	82	
FRSP0052	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0055	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/14/91-07/23/96	4	3	
FRSP0057	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/23/96-07/23/96	0	1	
FRSP0058	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	17	64	
FRSP0063	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0065	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	11	90	
FRSP0066	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/05/76-10/05/76	0	1	
FRSP0070	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0071	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0072	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/03/76-06/04/79	3	17	
FRSP0080	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	24	255	T,A
FRSP0081	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/76-10/05/76	0	2	
FRSP0083	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0084	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	7	24	
FRSP0086	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0087	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/91-05/22/91	0	1	
FRSP0097	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0098	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0101	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0102	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0103	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-03/10/81	5	3	
FRSP0106	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0107	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	24	90	
FRSP0108	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/76-01/29/76	0	1	
FRSP0111	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0112	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/27/76-11/04/98	22	48	
FRSP0010	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	6	137	
FRSP0018	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	0	6	
FRSP0023	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	3	106	
FRSP0032	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/30/70-07/30/70	0	1	
FRSP0033	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	457	A
FRSP0045	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	22	308	T
FRSP0002	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0008	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-09/23/76	6	44	
FRSP0010	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	19	84	
FRSP0012	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0013	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	6	29	
FRSP0015	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-08/28/74	4	29	
FRSP0017	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/85-04/17/90	4	2	
FRSP0018	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/26/74-09/23/76	1	12	
FRSP0019	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/17/90-02/26/91	0	2	
FRSP0020	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	15	18	
FRSP0021	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/16/74-07/27/78	3	7	

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From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0010	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	19	198	
FRSP0013	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	6	29	
FRSP0017	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/85-04/17/90	4	2	
FRSP0018	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/88-06/15/88	0	6	
FRSP0019	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/90-02/26/91	0	2	
FRSP0020	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-03/27/91	0	2	
FRSP0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/16/74-07/27/78	3	7	
FRSP0022	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	20	142	
FRSP0023	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	7	125	
FRSP0025	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	7	76	
FRSP0026	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-02/18/88	8	54	
FRSP0027	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	19	137	
FRSP0033	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	8	359	
FRSP0042	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/77-06/08/77	0	1	
FRSP0043	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/06/84-11/23/98	14	26	
FRSP0045	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	16	342	
FRSP0048	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	8	78	
FRSP0049	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-08/12/91	0	11	
FRSP0052	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/77-06/08/77	0	1	
FRSP0055	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/91-07/23/96	4	3	
FRSP0057	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/96-07/23/96	0	1	
FRSP0058	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-08/22/90	3	27	
FRSP0060	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0061	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0063	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0065	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	11	90	
FRSP0066	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/76-10/05/76	0	1	
FRSP0070	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0071	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0074	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	24	
FRSP0075	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	24	
FRSP0076	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	21	
FRSP0080	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	19	203	A
FRSP0081	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/76-10/05/76	0	2	
FRSP0083	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0084	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-10/21/98	7	24	
FRSP0086	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0087	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/22/91-05/22/91	0	1	
FRSP0097	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0098	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0101	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0102	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0103	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-03/10/81	5	3	
FRSP0106	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/89-03/30/91	1	3	
FRSP0107	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/87-11/04/98	11	62	
FRSP0108	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-01/29/76	0	1	
FRSP0111	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/89-03/30/91	1	3	
FRSP0112	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/19/90-11/04/98	7	29	
FRSP0003	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0004	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0005	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0006	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0010	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	6	125	
FRSP0014	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/86-04/04/86	0	2	
FRSP0018	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-06/15/88	0	6	
FRSP0023	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/21/91-12/01/94	3	94	
FRSP0024	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/86-04/04/86	0	2	
FRSP0033	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	12	393	A
FRSP0045	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	16	271	
FRSP0060	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0061	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0074	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	24	
FRSP0075	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	24	
FRSP0076	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	21	
FRSP0033	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	02/20/96-06/21/96	0	22	
FRSP0010	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	15	180	
FRSP0013	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/17/92-03/17/92	0	1	
FRSP0017	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/06/85-04/17/90	4	2	
FRSP0018	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/03/88-06/15/88	0	6	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0063	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0065	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	11	90	
FRSP0066	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/05/76-10/05/76	0	1	
FRSP0070	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0071	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0072	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/03/76-06/04/79	3	17	
FRSP0080	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	24	252	T,A
FRSP0081	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/76-10/05/76	0	2	
FRSP0083	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0084	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/27/90-10/21/98	7	24	
FRSP0086	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0087	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/91-05/22/91	0	1	
FRSP0097	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0098	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0101	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0102	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0103	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-03/10/81	5	3	
FRSP0104	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/70-01/13/71	0	18	
FRSP0106	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0107	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/09/74-11/04/98	24	90	
FRSP0108	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-01/29/76	0	1	
FRSP0111	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0112	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/27/76-11/04/98	22	48	
FRSP0001	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0007	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0008	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-06/13/79	2	14	
FRSP0010	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/11/76-06/13/79	3	19	
FRSP0011	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0016	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/70-08/28/70	0	1	
FRSP0018	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-06/13/79	2	15	
FRSP0020	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	2	26	
FRSP0022	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-08/23/79	2	29	
FRSP0023	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/11/76-06/13/79	3	17	
FRSP0025	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/07/78-05/01/79	1	8	
FRSP0026	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-05/08/79	2	13	
FRSP0027	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	2	29	
FRSP0028	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/17/76-01/27/78	1	7	
FRSP0040	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	2	15	
FRSP0045	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/30/77-08/26/92	14	37	
FRSP0047	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/12/69-08/11/70	1	50	
FRSP0048	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	2	26	
FRSP0049	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	2	26	
FRSP0058	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/11/76-05/22/79	2	11	
FRSP0072	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/03/76-06/04/79	3	17	
FRSP0080	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	2	29	
FRSP0086	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0097	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0101	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0104	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/26/70-01/13/71	0	22	
FRSP0106	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0107	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/03/76-05/03/79	2	14	
FRSP0111	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0112	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/27/76-05/03/79	2	19	
FRSP0033	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/21/96-12/23/96	0	47	
FRSP0045	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	19	335	
FRSP0045	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	11	161	
FRSP0047	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/12/69-08/11/70	1	55	
FRSP0104	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/26/70-01/13/71	0	18	
FRSP0047	No	00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	06/12/69-08/11/70	1	51	
FRSP0001	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	0	2	
FRSP0007	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	0	2	
FRSP0011	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	0	2	
FRSP0016	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/28/70-08/28/70	0	1	
FRSP0032	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/12/70-06/25/70	0	5	
FRSP0045	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/73-03/14/83	9	28	
FRSP0047	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/12/69-08/11/70	1	54	
FRSP0104	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/26/70-01/13/71	0	22	
FRSP0003	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0004	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0006	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0098	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	0	1	
FRSP0101	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	1	3	
FRSP0102	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	0	1	
FRSP0103	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-03/10/81	5	3	
FRSP0104	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/08/70-11/19/70	0	14	
FRSP0106	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/25/89-03/30/91	1	3	
FRSP0107	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/87-06/27/96	8	45	
FRSP0108	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/29/76-01/29/76	0	1	
FRSP0111	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/25/89-03/30/91	1	3	
FRSP0112	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/19/90-06/27/96	5	21	
FRSP0014	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/21/86-04/04/86	0	2	
FRSP0024	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/21/86-04/04/86	0	2	
FRSP0045	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/30/77-01/04/94	16	8	
FRSP0045	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/30/77-03/09/81	3	7	
FRSP0001	No	00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	0	1	
FRSP0007	No	00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	0	1	
FRSP0011	No	00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	0	1	
FRSP0047	No	00690	CARBON, TOTAL (MG/L AS C)	01/06/70-08/11/70	0	15	
FRSP0104	No	00690	CARBON, TOTAL (MG/L AS C)	05/21/70-05/21/70	0	1	
FRSP0014	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/21/86-04/04/86	0	2	
FRSP0024	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/21/86-04/04/86	0	2	
FRSP0033	No	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	02/20/96-06/21/96	0	21	
FRSP0010	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	11	61	
FRSP0013	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	6	26	
FRSP0017	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/85-06/06/85	0	1	
FRSP0018	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/08/79-05/08/79	0	1	
FRSP0019	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/90-02/26/91	0	2	
FRSP0020	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/27/91	11	3	
FRSP0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	11	66	
FRSP0023	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	6	59	
FRSP0026	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-02/18/88	0	7	
FRSP0027	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	11	67	
FRSP0032	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/70-07/30/70	0	1	
FRSP0033	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/30/92-03/15/94	1	2	
FRSP0043	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	14	24	
FRSP0045	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	18	264	
FRSP0048	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	19	71	
FRSP0049	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-06/10/91	12	11	
FRSP0055	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/96-07/23/96	0	1	
FRSP0057	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/96-07/23/96	0	1	
FRSP0058	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/20/77-08/22/90	13	30	
FRSP0063	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	0	1	
FRSP0065	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	11	84	
FRSP0070	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	0	1	
FRSP0071	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	0	1	
FRSP0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/87-12/16/98	11	123	
FRSP0084	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/90-01/27/98	7	20	
FRSP0087	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/91-05/22/91	0	1	
FRSP0107	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/77-11/04/98	21	61	
FRSP0112	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/77-11/04/98	21	30	
FRSP0045	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	13	254	
FRSP0014	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/86-04/04/86	0	2	
FRSP0024	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/86-04/04/86	0	2	
FRSP0032	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/30/70-07/30/70	0	1	
FRSP0033	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/26/98-10/26/98	0	1	
FRSP0045	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	25	322	T,S
FRSP0065	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/17/98-12/17/98	0	1	
FRSP0086	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	1	3	
FRSP0097	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	1	3	
FRSP0101	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	1	3	
FRSP0106	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/25/89-03/30/91	1	3	
FRSP0111	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/25/89-03/30/91	1	3	
FRSP0014	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/86-04/04/86	0	2	
FRSP0024	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/86-04/04/86	0	2	
FRSP0032	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/30/70-07/30/70	0	1	
FRSP0033	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/26/98-10/26/98	0	1	
FRSP0045	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	25	322	T,S
FRSP0065	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/17/98-12/17/98	0	1	
FRSP0086	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	1	3	
FRSP0097	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	1	3	
FRSP0101	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	1	3	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0019	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/90-02/26/91	0	2	
FRSP0020	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/27/90-03/27/91	0	2	
FRSP0021	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/74-07/27/78	3	7	
FRSP0022	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	13	111	
FRSP0023	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	3	106	
FRSP0025	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	7	80	
FRSP0026	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-02/18/88	8	55	
FRSP0027	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	12	110	
FRSP0033	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	12	458	A
FRSP0042	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/08/77-06/08/77	0	1	
FRSP0043	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/06/84-03/06/84	0	1	
FRSP0045	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	20	337	
FRSP0048	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/90-04/23/92	1	18	
FRSP0049	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/90-08/12/91	0	11	
FRSP0052	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/08/77-06/08/77	0	1	
FRSP0058	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/29/87-08/22/90	3	27	
FRSP0065	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/29/87-03/17/92	4	31	
FRSP0066	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/05/76-10/05/76	0	1	
FRSP0080	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	12	133	
FRSP0081	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/28/76-10/05/76	0	2	
FRSP0083	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0084	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/27/90-03/31/92	1	5	
FRSP0087	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/22/91-05/22/91	0	1	
FRSP0098	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0102	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0103	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-03/10/81	5	3	
FRSP0107	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/87-03/23/92	4	38	
FRSP0108	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/29/76-01/29/76	0	1	
FRSP0112	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/19/90-12/19/91	1	5	
FRSP0027	No	00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	02/28/91-02/28/91	0	1	
FRSP0001	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	0	2	
FRSP0007	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	0	2	
FRSP0010	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	20	193	
FRSP0011	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	0	2	
FRSP0013	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/92-07/01/96	4	19	
FRSP0016	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/70-08/28/70	0	1	
FRSP0017	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/06/85-04/17/90	4	2	
FRSP0018	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-06/15/88	13	32	
FRSP0019	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/17/90-02/26/91	0	2	
FRSP0020	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/27/90-03/27/91	0	2	
FRSP0021	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/10/75-07/27/78	3	6	
FRSP0022	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	21	179	
FRSP0023	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	20	123	
FRSP0025	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	7	81	
FRSP0026	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-08/27/87	12	77	
FRSP0027	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	16	129	
FRSP0033	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	8	313	
FRSP0036	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/09/75-02/23/76	0	3	
FRSP0042	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/08/77-06/08/77	0	1	
FRSP0043	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/06/84-07/01/96	12	16	
FRSP0045	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	16	293	
FRSP0047	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/18/69-08/11/70	1	34	
FRSP0048	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	21	102	
FRSP0049	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/13/90-06/10/91	0	10	
FRSP0052	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/08/77-06/08/77	0	1	
FRSP0055	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/96-07/23/96	0	1	
FRSP0057	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/96-07/23/96	0	1	
FRSP0058	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-08/22/90	3	24	
FRSP0063	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	0	1	
FRSP0065	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-09/03/96	9	68	
FRSP0066	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/05/76-10/05/76	0	1	
FRSP0070	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	0	1	
FRSP0071	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	0	1	
FRSP0080	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	20	183	A
FRSP0081	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/28/76-10/05/76	0	2	
FRSP0083	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	0	1	
FRSP0084	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/27/90-06/20/96	5	16	
FRSP0086	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	1	3	
FRSP0087	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/22/91-05/22/91	0	1	
FRSP0097	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	1	3	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0106	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	07/25/89-03/30/91	1	3	
FRSP0107	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	10/06/88-11/04/98	10	47	
FRSP0108	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	01/29/76-01/29/76	0	1	
FRSP0111	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	07/25/89-03/30/91	1	3	
FRSP0112	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	12/19/90-11/04/98	7	30	
FRSP0014	No	00941	CHLORIDE, DISSOLVED IN WATER	MG/L	03/21/86-04/04/86	0	2	
FRSP0024	No	00941	CHLORIDE, DISSOLVED IN WATER	MG/L	03/21/86-04/04/86	0	2	
FRSP0002	No	00945	SULFATE, TOTAL (MG/L AS SO4)		06/22/70-10/06/75	5	33	
FRSP0008	No	00945	SULFATE, TOTAL (MG/L AS SO4)		06/22/70-06/13/79	8	55	
FRSP0010	No	00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	21	47	
FRSP0012	No	00945	SULFATE, TOTAL (MG/L AS SO4)		06/22/70-10/06/75	5	32	
FRSP0013	No	00945	SULFATE, TOTAL (MG/L AS SO4)		03/17/92-11/23/98	6	27	
FRSP0015	No	00945	SULFATE, TOTAL (MG/L AS SO4)		06/22/70-08/28/74	4	26	
FRSP0017	No	00945	SULFATE, TOTAL (MG/L AS SO4)		06/06/85-06/06/85	0	1	
FRSP0018	No	00945	SULFATE, TOTAL (MG/L AS SO4)		05/29/75-05/08/79	3	6	
FRSP0019	No	00945	SULFATE, TOTAL (MG/L AS SO4)		02/26/91-02/26/91	0	1	
FRSP0020	No	00945	SULFATE, TOTAL (MG/L AS SO4)		12/27/90-03/27/91	0	2	
FRSP0022	No	00945	SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	28	131	S
FRSP0023	No	00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	21	47	
FRSP0026	No	00945	SULFATE, TOTAL (MG/L AS SO4)		05/31/70-06/13/79	9	64	
FRSP0027	No	00945	SULFATE, TOTAL (MG/L AS SO4)		11/14/88-11/23/98	10	51	
FRSP0028	No	00945	SULFATE, TOTAL (MG/L AS SO4)		05/31/70-01/27/78	7	53	
FRSP0032	No	00945	SULFATE, TOTAL (MG/L AS SO4)		02/12/70-07/30/70	0	6	
FRSP0033	No	00945	SULFATE, TOTAL (MG/L AS SO4)		04/27/92-04/27/92	0	1	
FRSP0036	No	00945	SULFATE, TOTAL (MG/L AS SO4)		10/04/72-10/04/72	0	1	
FRSP0040	No	00945	SULFATE, TOTAL (MG/L AS SO4)		09/21/72-09/21/72	0	1	
FRSP0043	No	00945	SULFATE, TOTAL (MG/L AS SO4)		03/24/94-11/23/98	4	25	
FRSP0045	No	00945	SULFATE, TOTAL (MG/L AS SO4)		10/04/67-08/23/93	25	322	T,S
FRSP0048	No	00945	SULFATE, TOTAL (MG/L AS SO4)		09/13/90-12/17/98	8	76	
FRSP0049	No	00945	SULFATE, TOTAL (MG/L AS SO4)		09/13/90-06/10/91	0	10	
FRSP0055	No	00945	SULFATE, TOTAL (MG/L AS SO4)		08/14/91-07/23/96	4	2	
FRSP0057	No	00945	SULFATE, TOTAL (MG/L AS SO4)		07/23/96-07/23/96	0	1	
FRSP0058	No	00945	SULFATE, TOTAL (MG/L AS SO4)		10/24/88-08/22/90	1	15	
FRSP0063	No	00945	SULFATE, TOTAL (MG/L AS SO4)		08/20/96-08/20/96	0	1	
FRSP0065	No	00945	SULFATE, TOTAL (MG/L AS SO4)		10/24/88-12/17/98	10	78	
FRSP0070	No	00945	SULFATE, TOTAL (MG/L AS SO4)		08/20/96-08/20/96	0	1	
FRSP0071	No	00945	SULFATE, TOTAL (MG/L AS SO4)		08/20/96-08/20/96	0	1	
FRSP0080	No	00945	SULFATE, TOTAL (MG/L AS SO4)		11/03/88-12/16/98	10	109	
FRSP0084	No	00945	SULFATE, TOTAL (MG/L AS SO4)		12/27/90-10/21/98	7	22	
FRSP0086	No	00945	SULFATE, TOTAL (MG/L AS SO4)		07/24/89-03/30/91	1	3	
FRSP0087	No	00945	SULFATE, TOTAL (MG/L AS SO4)		05/22/91-05/22/91	0	1	
FRSP0095	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)		05/22/91-05/22/91	0	1	
FRSP0097	No	00945	SULFATE, TOTAL (MG/L AS SO4)		07/24/89-03/30/91	1	3	
FRSP0101	No	00945	SULFATE, TOTAL (MG/L AS SO4)		07/24/89-03/30/91	1	3	
FRSP0106	No	00945	SULFATE, TOTAL (MG/L AS SO4)		07/25/89-03/30/91	1	3	
FRSP0107	No	00945	SULFATE, TOTAL (MG/L AS SO4)		11/03/88-11/04/98	10	45	
FRSP0111	No	00945	SULFATE, TOTAL (MG/L AS SO4)		07/25/89-03/30/91	1	3	
FRSP0112	No	00945	SULFATE, TOTAL (MG/L AS SO4)		12/19/90-11/04/98	7	30	
FRSP0014	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)		03/21/86-04/04/86	0	2	
FRSP0024	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)		03/21/86-04/04/86	0	2	
FRSP0014	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		03/21/86-04/04/86	0	2	
FRSP0024	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		03/21/86-04/04/86	0	2	
FRSP0032	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		07/30/70-07/30/70	0	1	
FRSP0045	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		10/04/67-08/23/93	25	322	T,S
FRSP0086	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		07/24/89-03/30/91	1	3	
FRSP0097	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		07/24/89-03/30/91	1	3	
FRSP0101	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		07/24/89-03/30/91	1	3	
FRSP0106	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		07/25/89-03/30/91	1	3	
FRSP0111	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)		07/25/89-03/30/91	1	3	
FRSP0013	No	00951	FLUORIDE, TOTAL (MG/L AS F)		03/17/92-02/17/93	0	4	
FRSP0019	No	00951	FLUORIDE, TOTAL (MG/L AS F)		02/26/91-02/26/91	0	1	
FRSP0020	No	00951	FLUORIDE, TOTAL (MG/L AS F)		12/27/90-03/27/91	0	2	
FRSP0022	No	00951	FLUORIDE, TOTAL (MG/L AS F)		11/14/88-02/17/93	4	25	
FRSP0027	No	00951	FLUORIDE, TOTAL (MG/L AS F)		11/14/88-02/17/93	4	27	
FRSP0043	No	00951	FLUORIDE, TOTAL (MG/L AS F)		03/24/94-03/24/94	0	1	
FRSP0048	No	00951	FLUORIDE, TOTAL (MG/L AS F)		09/13/90-04/21/93	2	25	
FRSP0049	No	00951	FLUORIDE, TOTAL (MG/L AS F)		09/13/90-06/10/91	0	10	
FRSP0055	No	00951	FLUORIDE, TOTAL (MG/L AS F)		08/14/91-08/14/91	0	1	
FRSP0058	No	00951	FLUORIDE, TOTAL (MG/L AS F)		10/24/88-08/22/90	1	17	
FRSP0065	No	00951	FLUORIDE, TOTAL (MG/L AS F)		10/24/88-04/21/93	4	28	
FRSP0080	No	00951	FLUORIDE, TOTAL (MG/L AS F)		11/03/88-02/25/93	4	45	
FRSP0084	No	00951	FLUORIDE, TOTAL (MG/L AS F)		12/27/90-12/22/92	1	7	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0106	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		07/25/89-03/30/91	1	3	
FRSP0111	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		07/25/89-03/30/91	1	3	
FRSP0080	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)		11/13/78-11/13/78	0	1	
FRSP0014	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		03/21/86-04/04/86	0	2	
FRSP0024	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		03/21/86-04/04/86	0	2	
FRSP0032	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		07/30/70-07/30/70	0	1	
FRSP0045	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		10/04/67-08/23/93	25	322	T,S
FRSP0086	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		07/24/89-03/30/91	1	3	
FRSP0097	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		07/24/89-03/30/91	1	3	
FRSP0101	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		07/24/89-03/30/91	1	3	
FRSP0106	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		07/25/89-03/30/91	1	3	
FRSP0109	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		09/01/77-09/01/77	0	1	
FRSP0111	No	00930	SODIUM, DISSOLVED (MG/L AS NA)		07/25/89-03/30/91	1	3	
FRSP0032	No	00931	SODIUM ADSORPTION RATIO		07/30/70-07/30/70	0	1	
FRSP0045	No	00931	SODIUM ADSORPTION RATIO		10/04/67-11/05/85	18	264	
FRSP0032	No	00932	SODIUM, PERCENT		07/30/70-07/30/70	0	1	
FRSP0045	No	00932	SODIUM, PERCENT		10/04/67-11/05/85	18	264	
FRSP0045	No	00933	SODIUM,PLUS POTASSIUM (MG/L)		05/23/79-02/20/80	0	6	
FRSP0014	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		03/21/86-04/04/86	0	2	
FRSP0020	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/16/79-04/16/79	0	1	
FRSP0022	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/10/79-04/10/79	0	1	
FRSP0024	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		03/21/86-04/04/86	0	2	
FRSP0025	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		03/13/79-03/13/79	0	1	
FRSP0027	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/10/79-04/10/79	0	1	
FRSP0028	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		11/09/77-11/09/77	0	1	
FRSP0032	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		07/30/70-07/30/70	0	1	
FRSP0040	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/10/79-04/10/79	0	1	
FRSP0045	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		10/04/67-08/23/93	25	322	T,S
FRSP0048	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/16/79-04/16/79	0	1	
FRSP0049	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/16/79-04/16/79	0	1	
FRSP0072	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/10/79-04/10/79	0	1	
FRSP0080	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/10/79-04/10/79	0	1	
FRSP0086	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		07/24/89-03/30/91	1	3	
FRSP0097	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		07/24/89-03/30/91	1	3	
FRSP0101	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		07/24/89-03/30/91	1	3	
FRSP0106	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		07/25/89-03/30/91	1	3	
FRSP0111	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)		07/25/89-03/30/91	1	3	
FRSP0010	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	4	46	
FRSP0013	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	03/17/92-11/23/98	6	27	
FRSP0017	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	06/06/85-06/06/85	0	1	
FRSP0018	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	05/29/75-05/29/75	0	1	
FRSP0019	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	02/26/91-02/26/91	0	1	
FRSP0020	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	12/27/90-03/27/91	0	2	
FRSP0021	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	12/16/74-04/10/75	0	2	
FRSP0022	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	10/22/74-11/23/98	24	51	
FRSP0023	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	4	46	
FRSP0025	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	02/26/86-02/26/86	0	1	
FRSP0027	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	10/12/88-11/23/98	10	52	
FRSP0032	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	02/12/70-07/30/70	0	6	
FRSP0043	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	03/24/94-11/23/98	4	25	
FRSP0045	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	10/04/67-08/23/93	25	322	T,S
FRSP0048	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	08/31/72-12/17/98	26	148	T,S
FRSP0049	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	08/31/72-06/10/91	18	78	
FRSP0055	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	08/14/91-07/23/96	4	2	
FRSP0057	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	07/23/96-07/23/96	0	1	
FRSP0058	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	04/09/73-08/22/90	17	54	
FRSP0063	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	10/24/88-12/17/98	10	78	
FRSP0070	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	08/20/96-08/20/96	0	1	
FRSP0071	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	10/06/88-12/16/98	10	111	
FRSP0081	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	06/28/76-06/28/76	0	1	
FRSP0083	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	09/03/75-09/03/75	0	1	
FRSP0084	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	12/27/90-10/21/98	7	22	
FRSP0086	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	07/24/89-03/30/91	1	3	
FRSP0087	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00940	CHLORIDE,TOTAL IN WATER	MG/L	05/22/91-05/22/91	0	1	
FRSP0097	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	07/24/89-03/30/91	1	3	
FRSP0098	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	09/03/75-09/03/75	0	1	
FRSP0101	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	07/24/89-03/30/91	1	3	
FRSP0102	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	09/03/75-09/03/75	0	1	
FRSP0103	No	00940	CHLORIDE,TOTAL IN WATER	MG/L	09/03/75-09/03/75	0	2	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0107	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/23/77-09/29/94	17	6	
FRSP0112	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/23/77-09/29/94	17	6	
FRSP0008	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0087	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0103	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0107	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0080	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	07/16/91-07/16/91	0	3	
FRSP0045	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/30/77-08/23/93	15	54	
FRSP0055	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/23/96-07/23/96	0	1	
FRSP0063	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/20/96-08/20/96	0	1	
FRSP0045	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	12/30/77-07/12/82	4	11	
FRSP0045	No	01007	BARIUM, TOTAL (UG/L AS BA)	12/30/77-07/12/82	4	12	
FRSP0045	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/24/82-08/27/91	8	36	
FRSP0055	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/23/96-07/23/96	0	1	
FRSP0063	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/20/96-08/20/96	0	1	
FRSP0010	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/25/83-07/25/83	0	1	
FRSP0013	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/17/93-02/17/93	0	1	
FRSP0017	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/17/90-04/17/90	0	1	
FRSP0019	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/17/90-02/26/91	0	2	
FRSP0022	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-02/17/93	9	4	
FRSP0025	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-07/18/83	0	1	
FRSP0026	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/25/83-07/25/83	0	1	
FRSP0027	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/26/83-02/17/93	9	4	
FRSP0047	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/07/78-09/07/78	0	1	
FRSP0048	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/10/91-03/24/93	1	2	
FRSP0049	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/10/91-06/10/91	0	1	
FRSP0065	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/24/93-03/24/93	0	1	
FRSP0080	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-03/25/93	9	3	
FRSP0087	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/22/91-05/22/91	0	1	
FRSP0107	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/12/91-03/02/93	1	2	
FRSP0112	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/12/91-03/02/93	1	2	
FRSP0010	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/17/90-04/17/90	0	1	
FRSP0019	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-06/25/97	14	6	
FRSP0023	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0025	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-08/19/86	3	3	
FRSP0026	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/13/84-06/13/84	0	1	
FRSP0027	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/26/83-08/27/97	14	6	
FRSP0043	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0058	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-04/26/95	11	6	
FRSP0084	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0087	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0107	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	03/16/95-07/01/97	2	2	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0087	No	00951	FLUORIDE, TOTAL (MG/L AS F)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	05/22/91-05/22/91	0	1	
FRSP0107	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-12/14/92	4	25	
FRSP0112	No	00951	FLUORIDE, TOTAL (MG/L AS F)	12/19/90-12/14/92	1	8	
FRSP0010	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/03/88-12/01/94	6	133	
FRSP0013	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	03/17/92-11/09/92	0	4	
FRSP0014	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	03/21/86-04/04/86	0	2	
FRSP0017	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	04/17/90-04/17/90	0	1	
FRSP0018	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/03/88-06/15/88	0	6	
FRSP0019	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	04/17/90-02/26/91	0	2	
FRSP0020	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	12/27/90-03/27/91	0	2	
FRSP0022	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/11/89-02/17/93	3	22	
FRSP0023	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	02/21/91-12/01/94	3	106	
FRSP0024	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	03/21/86-04/04/86	0	2	
FRSP0027	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/11/89-02/17/93	3	24	
FRSP0033	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	01/10/88-12/10/98	10	387	
FRSP0045	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	10/04/67-02/01/94	26	570	T,A,S
FRSP0048	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	09/13/90-01/20/93	2	29	
FRSP0049	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	09/13/90-08/12/91	0	11	
FRSP0055	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	08/14/91-08/14/91	0	1	
FRSP0058	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/24/89-08/22/90	1	13	
FRSP0065	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/24/89-01/20/93	3	21	
FRSP0080	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/25/89-12/29/92	3	43	
FRSP0084	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	12/27/90-12/22/92	1	7	
FRSP0086	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	07/24/89-03/30/91	1	3	
FRSP0087	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/22/91-05/22/91	0	1	
FRSP0097	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	07/24/89-03/30/91	1	3	
FRSP0101	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	07/24/89-03/30/91	1	3	
FRSP0106	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	07/25/89-03/30/91	1	3	
FRSP0107	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	05/25/89-12/14/92	3	20	
FRSP0111	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	07/25/89-03/30/91	1	3	
FRSP0112	No	00955	SILICA, DISSOLVED (MG/L AS SIO2)	12/19/90-12/14/92	1	9	
FRSP0032	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/30/70-07/30/70	0	1	
FRSP0033	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/26/98-10/26/98	0	1	
FRSP0045	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/30/77-08/27/91	13	49	
FRSP0055	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/23/96-07/23/96	0	1	
FRSP0063	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/20/96-08/20/96	0	1	
FRSP0065	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/17/98-12/17/98	0	1	
FRSP0080	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/20/97-05/21/98	1	2	
FRSP0045	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	12/30/77-07/12/82	4	10	
FRSP0002	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/08/71-10/06/75	4	4	
FRSP0008	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/02/71-05/02/77	5	7	
FRSP0010	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/77-07/07/86	9	7	
FRSP0012	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/02/71-10/06/75	4	6	
FRSP0013	No	01002	ARSENIC, TOTAL (UG/L AS AS)	02/17/93-09/15/94	1	2	
FRSP0015	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/02/71-08/01/73	2	5	
FRSP0017	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/06/85-04/17/90	4	2	
FRSP0018	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/06/75-05/02/77	1	2	
FRSP0019	No	01002	ARSENIC, TOTAL (UG/L AS AS)	02/26/91-02/26/91	0	1	
FRSP0020	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-04/16/79	3	6	
FRSP0022	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	23	23	
FRSP0023	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/77-05/02/77	0	1	
FRSP0025	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/07/78-07/09/86	8	10	
FRSP0026	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/25/71-07/07/86	15	12	
FRSP0027	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-09/15/94	18	18	
FRSP0028	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/25/71-03/17/77	5	5	
FRSP0036	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-10/21/75	4	7	
FRSP0040	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-04/10/79	8	12	
FRSP0043	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/06/84-07/21/94	10	2	
FRSP0045	No	01002	ARSENIC, TOTAL (UG/L AS AS)	12/30/77-07/12/82	4	12	
FRSP0047	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/07/78-09/07/78	0	1	
FRSP0048	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/21/71-07/14/94	23	14	
FRSP0049	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/12/72-06/10/91	19	8	
FRSP0055	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/14/91-08/14/91	0	2	
FRSP0058	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/06/78-10/24/89	10	2	
FRSP0065	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/24/89-07/14/94	4	3	
FRSP0072	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/31/77-04/10/79	2	5	
FRSP0080	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/22/75-07/21/94	18	16	
FRSP0087	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	05/22/91-05/22/91	0	1	
FRSP0103	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/10/81-03/10/81	0	1	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0103	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0008	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0033	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/16/88-08/16/88	0	1	
FRSP0043	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0033	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/26/98-10/26/98	0	1	
FRSP0045	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/30/77-08/27/91	13	49	
FRSP0055	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/23/96-07/23/96	0	1	
FRSP0063	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/20/96-08/20/96	0	1	
FRSP0065	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/17/98-12/17/98	0	1	
FRSP0080	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/97-05/21/98	1	2	
FRSP0045	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/30/77-04/28/82	4	7	
FRSP0002	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-10/06/75	5	12	
FRSP0008	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-05/02/77	7	14	
FRSP0010	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/77-07/07/86	9	7	
FRSP0012	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-10/06/75	5	13	
FRSP0013	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/17/93-09/15/94	1	2	
FRSP0015	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-05/08/74	4	11	
FRSP0017	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/85-04/17/90	4	2	
FRSP0018	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/29/75-05/02/77	1	3	
FRSP0019	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/90-02/26/91	0	2	
FRSP0020	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-04/16/79	3	7	
FRSP0022	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	24	34	
FRSP0023	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/77-05/02/77	0	1	
FRSP0025	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/07/78-07/09/86	8	10	
FRSP0026	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-07/07/86	16	24	
FRSP0027	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-09/15/94	19	19	
FRSP0028	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-03/17/77	6	16	
FRSP0032	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/70-07/30/70	0	1	
FRSP0036	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-10/21/75	5	16	
FRSP0040	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	9	22	
FRSP0043	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/06/84-07/21/94	10	2	
FRSP0045	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/30/77-07/12/82	4	12	
FRSP0047	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/07/78-09/07/78	0	1	
FRSP0048	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/19/70-07/14/94	24	25	
FRSP0049	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/12/72-06/10/91	19	14	
FRSP0055	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/91-08/14/91	0	2	
FRSP0058	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/17/73-10/24/89	16	7	
FRSP0065	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/24/89-07/14/94	4	3	
FRSP0072	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/31/77-04/10/79	2	5	
FRSP0080	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/27/75-07/21/94	19	17	
FRSP0086	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	1	3	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0112	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0032	No	01020	BORON, DISSOLVED (UG/L AS B)	07/30/70-07/30/70	0	1	
FRSP0032	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/30/70-07/30/70	0	1	
FRSP0033	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/26/98-10/26/98	0	1	
FRSP0045	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/30/77-08/27/91	13	49	
FRSP0055	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/23/96-07/23/96	0	1	
FRSP0063	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/20/96-08/20/96	0	1	
FRSP0065	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/17/98-12/17/98	0	1	
FRSP0080	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/20/97-05/21/98	1	2	
FRSP0045	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/30/77-10/15/81	3	9	
FRSP0002	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-10/06/75	4	7	
FRSP0008	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-05/02/77	5	9	
FRSP0010	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/77-07/07/86	9	7	
FRSP0012	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-10/06/75	4	8	
FRSP0013	No	01027	CADMIUM, TOTAL (UG/L AS CD)	02/17/93-09/15/94	1	2	
FRSP0015	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-08/01/73	1	6	
FRSP0017	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/85-04/17/90	4	2	
FRSP0018	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/29/75-05/02/77	1	3	
FRSP0019	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/17/90-02/26/91	0	2	
FRSP0020	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-04/16/79	3	7	
FRSP0022	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	23	27	
FRSP0023	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/77-05/02/77	0	1	
FRSP0025	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/07/78-07/09/86	8	10	
FRSP0026	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-07/07/86	15	16	
FRSP0027	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-09/15/94	19	19	
FRSP0028	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-03/17/77	6	9	
FRSP0036	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-10/21/75	4	9	
FRSP0040	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-04/10/79	8	14	
FRSP0043	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/06/84-07/21/94	10	2	
FRSP0045	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/30/77-07/12/82	4	12	
FRSP0047	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/07/78-09/07/78	0	1	
FRSP0048	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-07/14/94	23	17	
FRSP0049	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/12/72-06/10/91	19	10	
FRSP0055	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/14/91-08/14/91	0	2	
FRSP0058	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/06/74-10/24/89	14	4	
FRSP0065	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/24/89-07/14/94	4	3	
FRSP0072	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/31/77-04/10/79	2	5	
FRSP0080	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/27/75-07/21/94	19	17	
FRSP0086	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	1	3	
FRSP0087	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/22/91-05/22/91	0	1	
FRSP0097	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	1	3	
FRSP0101	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	1	3	
FRSP0103	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/10/81-03/10/81	0	1	
FRSP0106	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/89-03/30/91	1	3	
FRSP0107	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/01/74-09/29/94	19	8	
FRSP0111	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/89-03/30/91	1	3	
FRSP0112	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/23/77-09/29/94	17	6	
FRSP0008	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	7	
FRSP0013	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0058	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0045	No	01044	IRON, SUSPENDED (UG/L AS FE)	12/27/78-07/12/82	3	11	
FRSP0010	No	01045	IRON, TOTAL (UG/L AS FE)	10/23/79-10/23/79	0	1	
FRSP0013	No	01045	IRON, TOTAL (UG/L AS FE)	02/17/93-09/15/94	1	2	
FRSP0017	No	01045	IRON, TOTAL (UG/L AS FE)	06/06/85-04/17/90	4	2	
FRSP0019	No	01045	IRON, TOTAL (UG/L AS FE)	04/17/90-02/26/91	0	2	
FRSP0020	No	01045	IRON, TOTAL (UG/L AS FE)	11/06/78-04/16/79	0	2	
FRSP0022	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-09/15/94	23	12	
FRSP0025	No	01045	IRON, TOTAL (UG/L AS FE)	11/13/78-10/29/79	0	3	
FRSP0026	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-10/23/79	8	4	
FRSP0027	No	01045	IRON, TOTAL (UG/L AS FE)	11/13/78-09/15/94	15	9	
FRSP0028	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-12/14/71	1	3	
FRSP0036	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-12/14/71	1	4	
FRSP0040	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-04/10/79	8	5	
FRSP0043	No	01045	IRON, TOTAL (UG/L AS FE)	07/21/94-07/21/94	0	1	
FRSP0045	No	01045	IRON, TOTAL (UG/L AS FE)	12/30/77-07/12/82	4	12	
FRSP0048	No	01045	IRON, TOTAL (UG/L AS FE)	11/22/70-07/14/94	23	8	
FRSP0049	No	01045	IRON, TOTAL (UG/L AS FE)	11/06/78-06/10/91	12	3	
FRSP0055	No	01045	IRON, TOTAL (UG/L AS FE)	08/14/91-08/14/91	0	2	
FRSP0058	No	01045	IRON, TOTAL (UG/L AS FE)	11/06/78-10/24/89	10	2	
FRSP0065	No	01045	IRON, TOTAL (UG/L AS FE)	10/24/89-07/14/94	4	3	
FRSP0072	No	01045	IRON, TOTAL (UG/L AS FE)	04/10/79-04/10/79	0	1	
FRSP0080	No	01045	IRON, TOTAL (UG/L AS FE)	11/13/78-07/21/94	15	7	
FRSP0086	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0087	No	01045	IRON, TOTAL (UG/L AS FE)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/22/91-05/22/91	0	1	
FRSP0097	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0101	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0106	No	01045	IRON, TOTAL (UG/L AS FE)	07/25/89-03/30/91	1	3	
FRSP0107	No	01045	IRON, TOTAL (UG/L AS FE)	05/23/77-09/29/94	17	5	
FRSP0111	No	01045	IRON, TOTAL (UG/L AS FE)	07/25/89-03/30/91	1	3	
FRSP0112	No	01045	IRON, TOTAL (UG/L AS FE)	11/14/78-09/29/94	15	4	
FRSP0032	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/30/70-07/30/70	0	1	
FRSP0033	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/26/98-10/26/98	0	1	
FRSP0045	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	24	254	T
FRSP0055	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/23/96-07/23/96	0	1	
FRSP0063	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/20/96-08/20/96	0	1	
FRSP0065	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/17/98-12/17/98	0	1	
FRSP0080	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/20/97-05/21/98	1	2	
FRSP0086	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0097	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0101	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0106	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/89-03/30/91	1	3	
FRSP0111	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/89-03/30/91	1	3	
FRSP0032	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/30/70-07/30/70	0	1	
FRSP0033	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/26/98-10/26/98	0	1	
FRSP0045	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/30/77-08/27/91	13	49	
FRSP0055	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/23/96-07/23/96	0	1	
FRSP0063	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/20/96-08/20/96	0	1	
FRSP0065	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/17/98-12/17/98	0	1	
FRSP0080	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/97-05/21/98	1	2	
FRSP0045	No	01050	LEAD, SUSPENDED (UG/L AS PB)	12/30/77-07/12/82	4	10	
FRSP0002	No	01051	LEAD, TOTAL (UG/L AS PB)	08/08/71-10/06/75	4	9	
FRSP0008	No	01051	LEAD, TOTAL (UG/L AS PB)	06/02/71-05/02/77	5	12	
FRSP0010	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/77-07/07/86	9	7	
FRSP0012	No	01051	LEAD, TOTAL (UG/L AS PB)	06/02/71-10/06/75	4	11	
FRSP0013	No	01051	LEAD, TOTAL (UG/L AS PB)	02/17/93-09/15/94	1	2	
FRSP0015	No	01051	LEAD, TOTAL (UG/L AS PB)	06/02/71-05/08/74	2	9	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0087	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/91-05/22/91	0	1	
FRSP0097	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	1	3	
FRSP0101	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	1	3	
FRSP0103	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/10/81-03/10/81	0	1	
FRSP0106	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/89-03/30/91	1	3	
FRSP0107	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/01/74-09/29/94	19	8	
FRSP0111	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/89-03/30/91	1	3	
FRSP0112	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/23/77-09/29/94	17	6	
FRSP0045	No	01035	COBALT, DISSOLVED (UG/L AS CO)	12/30/77-08/23/93	15	54	
FRSP0045	.No	01036	COBALT, SUSPENDED (UG/L AS CO)	12/30/77-07/12/82	4	10	
FRSP0045	No	01037	COBALT, TOTAL (UG/L AS CO)	12/30/77-07/12/82	4	12	
FRSP0032	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/30/70-07/30/70	0	1	
FRSP0033	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/26/98-10/26/98	0	1	
FRSP0045	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/30/77-08/27/91	13	49	
FRSP0055	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/23/96-07/23/96	0	1	
FRSP0063	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/20/96-08/20/96	0	1	
FRSP0065	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/17/98-12/17/98	0	1	
FRSP0080	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/97-05/21/98	1	2	
FRSP0045	No	01041	COPPER, SUSPENDED (UG/L AS CU)	12/30/77-07/12/82	4	12	
FRSP0002	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	4	10	
FRSP0008	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/02/77	7	13	
FRSP0010	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/77-07/07/86	9	7	
FRSP0012	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	4	11	
FRSP0013	No	01042	COPPER, TOTAL (UG/L AS CU)	02/17/93-09/15/94	1	2	
FRSP0015	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	4	11	
FRSP0017	No	01042	COPPER, TOTAL (UG/L AS CU)	06/06/85-04/17/90	4	2	
FRSP0018	No	01042	COPPER, TOTAL (UG/L AS CU)	05/29/75-05/02/77	1	2	
FRSP0019	No	01042	COPPER, TOTAL (UG/L AS CU)	04/17/90-02/26/91	0	2	
FRSP0020	No	01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-04/16/79	3	7	
FRSP0022	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	24	34	
FRSP0023	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/77-05/02/77	0	1	
FRSP0025	No	01042	COPPER, TOTAL (UG/L AS CU)	03/07/78-07/09/86	8	10	
FRSP0026	No	01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-07/07/86	16	23	
FRSP0027	No	01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-09/15/94	19	19	
FRSP0028	No	01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-03/17/77	6	16	
FRSP0036	No	01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-10/21/75	5	16	
FRSP0040	No	01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	9	22	
FRSP0043	No	01042	COPPER, TOTAL (UG/L AS CU)	03/06/84-07/21/94	10	2	
FRSP0045	No	01042	COPPER, TOTAL (UG/L AS CU)	12/30/77-07/12/82	4	12	
FRSP0047	No	01042	COPPER, TOTAL (UG/L AS CU)	09/07/78-09/07/78	0	1	
FRSP0048	No	01042	COPPER, TOTAL (UG/L AS CU)	03/19/70-07/14/94	24	25	
FRSP0049	No	01042	COPPER, TOTAL (UG/L AS CU)	10/16/72-06/10/91	18	13	
FRSP0055	No	01042	COPPER, TOTAL (UG/L AS CU)	08/14/91-08/14/91	0	2	
FRSP0058	No	01042	COPPER, TOTAL (UG/L AS CU)	05/17/73-10/24/89	16	7	
FRSP0065	No	01042	COPPER, TOTAL (UG/L AS CU)	10/24/89-07/14/94	4	3	
FRSP0072	No	01042	COPPER, TOTAL (UG/L AS CU)	03/31/77-04/10/79	2	5	
FRSP0080	No	01042	COPPER, TOTAL (UG/L AS CU)	05/27/75-07/21/94	19	17	
FRSP0086	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	1	3	
FRSP0087	No	01042	COPPER, TOTAL (UG/L AS CU)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/22/91-05/22/91	0	1	
FRSP0097	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	1	3	
FRSP0101	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	1	3	
FRSP0103	No	01042	COPPER, TOTAL (UG/L AS CU)	03/10/81-03/10/81	0	1	
FRSP0106	No	01042	COPPER, TOTAL (UG/L AS CU)	07/25/89-03/30/91	1	3	
FRSP0107	No	01042	COPPER, TOTAL (UG/L AS CU)	11/01/74-09/29/94	19	8	
FRSP0111	No	01042	COPPER, TOTAL (UG/L AS CU)	07/25/89-03/30/91	1	3	
FRSP0112	No	01042	COPPER, TOTAL (UG/L AS CU)	05/23/77-09/29/94	17	6	
FRSP0008	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/14/91-07/23/96	4	2	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0063	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0080	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/21/91-04/26/95	3	2	
FRSP0084	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/29/95-07/31/97	2	2	
FRSP0086	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0106	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0045	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	12/30/77-07/12/82	4	12	
FRSP0002	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	0	1	
FRSP0008	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	0	1	
FRSP0010	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/79-10/23/79	0	1	
FRSP0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	0	1	
FRSP0013	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/17/93-09/15/94	1	2	
FRSP0015	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	0	1	
FRSP0017	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/85-04/17/90	4	2	
FRSP0019	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/17/90-02/26/91	0	2	
FRSP0020	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/06/78-04/16/79	0	2	
FRSP0022	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-09/15/94	24	12	
FRSP0025	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/78-10/29/79	0	3	
FRSP0026	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-10/23/79	9	4	
FRSP0027	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/78-09/15/94	15	8	
FRSP0028	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-04/25/71	1	3	
FRSP0036	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-06/01/71	1	4	
FRSP0040	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-04/10/79	9	5	
FRSP0043	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/21/94-07/21/94	0	1	
FRSP0045	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/30/77-07/12/82	4	12	
FRSP0048	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/19/70-07/14/94	24	8	
FRSP0049	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/06/78-06/10/91	12	3	
FRSP0055	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/91-08/14/91	0	2	
FRSP0058	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/06/78-10/24/89	10	2	
FRSP0065	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/24/89-07/14/94	4	2	
FRSP0072	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/79-04/10/79	0	1	
FRSP0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/79-07/21/94	15	5	
FRSP0086	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0087	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/91-05/22/91	0	1	
FRSP0097	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0101	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0106	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/25/89-03/30/91	1	3	
FRSP0107	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/77-09/29/94	17	5	
FRSP0111	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/25/89-03/30/91	1	3	
FRSP0112	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/77-09/29/94	17	5	
FRSP0014	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/86-04/04/86	0	2	
FRSP0024	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/86-04/04/86	0	2	
FRSP0032	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/30/70-07/30/70	0	1	
FRSP0033	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/26/98-10/26/98	0	1	
FRSP0045	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/30/77-08/23/93	15	54	
FRSP0055	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/96-07/23/96	0	1	
FRSP0063	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/96-08/20/96	0	1	
FRSP0065	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/17/98-12/17/98	0	1	
FRSP0080	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/20/97-05/21/98	1	2	
FRSP0086	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0097	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0101	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0106	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/89-03/30/91	1	3	
FRSP0109	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/77-09/01/77	0	1	
FRSP0111	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/89-03/30/91	1	3	
FRSP0033	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	10/26/98-10/26/98	0	1	
FRSP0055	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	07/23/96-07/23/96	0	1	
FRSP0063	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	08/20/96-08/20/96	0	1	
FRSP0065	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	12/17/98-12/17/98	0	1	
FRSP0080	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/21/98-05/21/98	0	1	
FRSP0010	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/25/83-07/25/83	0	1	
FRSP0013	No	01059	THALLIUM, TOTAL (UG/L AS TL)	02/17/93-02/17/93	0	1	
FRSP0017	No	01059	THALLIUM, TOTAL (UG/L AS TL)	04/17/90-04/17/90	0	1	
FRSP0019	No	01059	THALLIUM, TOTAL (UG/L AS TL)	04/17/90-02/26/91	0	2	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0017	No	01051	LEAD, TOTAL (UG/L AS PB)	06/06/85-04/17/90	4	2	
FRSP0018	No	01051	LEAD, TOTAL (UG/L AS PB)	05/29/75-05/02/77	1	3	
FRSP0019	No	01051	LEAD, TOTAL (UG/L AS PB)	04/17/90-02/26/91	0	2	
FRSP0020	No	01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-04/16/79	3	7	
FRSP0022	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	23	32	
FRSP0023	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/77-05/02/77	0	1	
FRSP0025	No	01051	LEAD, TOTAL (UG/L AS PB)	11/13/78-07/09/86	7	9	
FRSP0026	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-07/07/86	15	20	
FRSP0027	No	01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-09/15/94	19	19	
FRSP0028	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-03/17/77	6	13	
FRSP0036	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-10/21/75	4	14	
FRSP0040	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-04/10/79	8	18	
FRSP0043	No	01051	LEAD, TOTAL (UG/L AS PB)	03/06/84-07/21/94	10	2	
FRSP0045	No	01051	LEAD, TOTAL (UG/L AS PB)	12/30/77-07/12/82	4	12	
FRSP0047	No	01051	LEAD, TOTAL (UG/L AS PB)	09/07/78-09/07/78	0	1	
FRSP0048	No	01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-07/14/94	23	22	
FRSP0049	No	01051	LEAD, TOTAL (UG/L AS PB)	05/12/72-06/10/91	19	14	
FRSP0055	No	01051	LEAD, TOTAL (UG/L AS PB)	08/14/91-08/14/91	0	2	
FRSP0058	No	01051	LEAD, TOTAL (UG/L AS PB)	12/26/73-10/24/89	15	6	
FRSP0065	No	01051	LEAD, TOTAL (UG/L AS PB)	10/24/89-07/14/94	4	3	
FRSP0072	No	01051	LEAD, TOTAL (UG/L AS PB)	03/31/77-04/10/79	2	5	
FRSP0080	No	01051	LEAD, TOTAL (UG/L AS PB)	05/27/75-07/21/94	19	17	
FRSP0086	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	1	3	
FRSP0087	No	01051	LEAD, TOTAL (UG/L AS PB)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/22/91-05/22/91	0	1	
FRSP0097	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	1	3	
FRSP0101	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	1	3	
FRSP0103	No	01051	LEAD, TOTAL (UG/L AS PB)	03/10/81-03/10/81	0	1	
FRSP0106	No	01051	LEAD, TOTAL (UG/L AS PB)	07/25/89-03/30/91	1	3	
FRSP0107	No	01051	LEAD, TOTAL (UG/L AS PB)	11/01/74-09/29/94	19	8	
FRSP0111	No	01051	LEAD, TOTAL (UG/L AS PB)	07/25/89-03/30/91	1	3	
FRSP0112	No	01051	LEAD, TOTAL (UG/L AS PB)	05/23/77-09/29/94	17	6	
FRSP0008	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0010	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0017	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/90-04/17/90	0	1	
FRSP0019	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0055	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0058	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/24/89-10/24/89	0	1	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0018	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0080	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	07/16/91-07/16/91	0	3	
FRSP0080	No	01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	07/16/91-07/16/91	0	3	
FRSP0033	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/26/98-10/26/98	0	1	
FRSP0045	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/30/77-08/23/93	15	54	
FRSP0055	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/23/96-07/23/96	0	1	
FRSP0065	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/17/98-12/17/98	0	1	
FRSP0080	No	01075	SILVER, DISSOLVED (UG/L AS AG)	05/20/97-05/21/98	1	2	
FRSP0045	No	01076	SILVER, SUSPENDED (UG/L AS AG)	12/30/77-03/09/81	3	8	
FRSP0022	No	01077	SILVER, TOTAL (UG/L AS AG)	09/20/88-09/20/88	0	1	
FRSP0027	No	01077	SILVER, TOTAL (UG/L AS AG)	09/20/88-09/20/88	0	1	
FRSP0045	No	01077	SILVER, TOTAL (UG/L AS AG)	12/30/77-07/12/82	4	14	
FRSP0047	No	01077	SILVER, TOTAL (UG/L AS AG)	09/07/78-09/07/78	0	1	
FRSP0010	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0022	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0065	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/26/95-04/26/95	0	1	
FRSP0084	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0107	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0045	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/24/82-08/23/93	10	41	
FRSP0045	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	11/24/82-08/23/93	10	41	
FRSP0109	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	09/01/77-09/01/77	0	1	
FRSP0032	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/30/70-07/30/70	0	1	
FRSP0033	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/26/98-10/26/98	0	1	
FRSP0045	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/30/77-08/27/91	13	49	
FRSP0055	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/23/96-07/23/96	0	1	
FRSP0063	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/20/96-08/20/96	0	1	
FRSP0065	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/17/98-12/17/98	0	1	
FRSP0080	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/97-05/21/98	1	2	
FRSP0045	No	01091	ZINC, SUSPENDED (UG/L ZN)	12/30/77-04/28/82	4	10	
FRSP0002	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-10/06/75	5	12	
FRSP0008	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-05/02/77	7	14	
FRSP0010	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/77-07/07/86	9	7	
FRSP0012	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-10/06/75	5	13	
FRSP0013	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/17/93-09/15/94	1	2	
FRSP0015	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-05/08/74	4	11	
FRSP0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/06/85-04/17/90	4	2	
FRSP0018	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/29/75-05/02/77	1	3	
FRSP0019	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/17/90-02/26/91	0	2	
FRSP0020	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-04/16/79	3	7	
FRSP0022	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	24	34	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0022	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/18/83-02/17/93	9	4	
FRSP0025	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/18/83-07/18/83	0	1	
FRSP0026	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/25/83-07/25/83	0	1	
FRSP0027	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/26/83-02/17/93	9	4	
FRSP0047	No	01059	THALLIUM, TOTAL (UG/L AS TL)	09/07/78-09/07/78	0	1	
FRSP0048	No	01059	THALLIUM, TOTAL (UG/L AS TL)	06/10/91-03/24/93	1	2	
FRSP0049	No	01059	THALLIUM, TOTAL (UG/L AS TL)	06/10/91-06/10/91	0	1	
FRSP0065	No	01059	THALLIUM, TOTAL (UG/L AS TL)	03/24/93-03/24/93	0	1	
FRSP0080	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/18/83-03/25/93	9	3	
FRSP0087	No	01059	THALLIUM, TOTAL (UG/L AS TL)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	05/22/91-05/22/91	0	1	
FRSP0107	No	01059	THALLIUM, TOTAL (UG/L AS TL)	03/02/93-03/02/93	0	1	
FRSP0112	No	01059	THALLIUM, TOTAL (UG/L AS TL)	03/02/93-03/02/93	0	1	
FRSP0045	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/24/82-08/23/93	10	41	
FRSP0002	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-10/06/75	2	4	
FRSP0008	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/21/73-05/02/77	3	5	
FRSP0010	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/02/77-05/02/77	0	1	
FRSP0012	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-10/06/75	2	4	
FRSP0015	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-08/01/73	0	2	
FRSP0018	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/29/75-05/02/77	1	3	
FRSP0020	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/06/75-04/16/79	3	7	
FRSP0022	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-04/10/79	6	9	
FRSP0023	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/02/77-05/02/77	0	1	
FRSP0025	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/78-03/13/79	1	3	
FRSP0026	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-05/02/77	4	6	
FRSP0027	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/06/75-04/10/79	3	7	
FRSP0028	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-03/17/77	4	4	
FRSP0033	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/26/98-10/26/98	0	1	
FRSP0036	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-10/21/75	2	4	
FRSP0040	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-04/10/79	6	9	
FRSP0045	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	02/20/80-08/23/93	13	50	
FRSP0048	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/11/73-04/16/79	6	11	
FRSP0049	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-04/16/79	5	10	
FRSP0055	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/23/96-07/23/96	0	1	
FRSP0058	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-11/06/78	5	5	
FRSP0063	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/96-08/20/96	0	1	
FRSP0065	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	12/17/98-12/17/98	0	1	
FRSP0072	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/31/77-04/10/79	2	5	
FRSP0080	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/27/75-05/21/98	22	9	
FRSP0107	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/01/74-11/14/78	4	5	
FRSP0112	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/23/77-11/14/78	1	3	
FRSP0045	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	02/20/80-07/12/82	2	9	
FRSP0010	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/23/79-07/07/86	6	6	
FRSP0013	No	01067	NICKEL, TOTAL (UG/L AS NI)	02/17/93-09/15/94	1	2	
FRSP0017	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/06/85-04/17/90	4	2	
FRSP0019	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/17/90-02/26/91	0	2	
FRSP0022	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-09/15/94	14	12	
FRSP0025	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-07/09/86	6	7	
FRSP0026	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/23/79-07/07/86	6	6	
FRSP0027	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/09/79-09/15/94	14	12	
FRSP0043	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/06/84-07/21/94	10	2	
FRSP0045	No	01067	NICKEL, TOTAL (UG/L AS NI)	02/20/80-07/12/82	2	9	
FRSP0047	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/07/78-09/07/78	0	1	
FRSP0048	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/10/91-07/14/94	3	3	
FRSP0049	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/10/91-06/10/91	0	1	
FRSP0058	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/24/89-10/24/89	0	1	
FRSP0065	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/24/89-07/14/94	4	3	
FRSP0080	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-07/21/94	14	10	
FRSP0086	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	1	3	
FRSP0087	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	05/22/91-05/22/91	0	1	
FRSP0097	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	1	3	
FRSP0101	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	1	3	
FRSP0103	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/10/81-03/10/81	0	1	
FRSP0106	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/25/89-03/30/91	1	3	
FRSP0107	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/12/91-09/29/94	2	3	
FRSP0111	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/25/89-03/30/91	1	3	
FRSP0112	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/12/91-09/29/94	2	3	
FRSP0008	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	4	2	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0065	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0080	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/26/95-04/26/95	0	1	
FRSP0084	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	03/29/95-07/31/97	2	2	
FRSP0107	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0014	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/21/86-04/04/86	0	2	
FRSP0024	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/21/86-04/04/86	0	2	
FRSP0032	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/30/70-07/30/70	0	1	
FRSP0033	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/26/98-10/26/98	0	1	
FRSP0045	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/14/83-08/23/93	10	40	
FRSP0065	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/17/98-12/17/98	0	1	
FRSP0080	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/20/97-05/21/98	1	2	
FRSP0109	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/01/77-09/01/77	0	1	
FRSP0010	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0022	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0055	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0063	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0080	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/26/95-04/26/95	0	1	
FRSP0084	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	03/29/95-07/31/97	2	2	
FRSP0107	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0045	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/24/82-08/23/93	10	41	
FRSP0010	No	01140	SILICON, DISSOLVED (UG/L AS SI)	08/02/88-08/16/88	0	4	
FRSP0033	No	01140	SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	2	70	
FRSP0033	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/26/98-10/26/98	0	1	
FRSP0045	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/30/77-08/23/93	15	54	
FRSP0055	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/23/96-07/23/96	0	1	
FRSP0063	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/20/96-08/20/96	0	1	
FRSP0065	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/17/98-12/17/98	0	1	
FRSP0080	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/20/97-05/21/98	1	2	
FRSP0045	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	12/30/77-03/09/81	3	8	
FRSP0010	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/25/83-07/25/83	0	1	
FRSP0013	No	01147	SELENIUM, TOTAL (UG/L AS SE)	02/17/93-09/15/94	1	2	
FRSP0017	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/17/90-04/17/90	0	1	
FRSP0019	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/17/90-02/26/91	0	2	
FRSP0022	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/18/83-09/15/94	11	6	
FRSP0025	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/18/83-07/18/83	0	1	
FRSP0026	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/25/83-07/25/83	0	1	
FRSP0027	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/26/83-09/15/94	11	6	
FRSP0043	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/21/94-07/21/94	0	1	
FRSP0045	No	01147	SELENIUM, TOTAL (UG/L AS SE)	12/30/77-07/12/82	4	12	
FRSP0047	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/07/78-09/07/78	0	1	
FRSP0048	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/10/91-03/24/93	1	2	
FRSP0049	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/10/91-06/10/91	0	1	
FRSP0058	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/24/89-10/24/89	0	1	
FRSP0065	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/24/89-03/24/93	3	2	
FRSP0080	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/18/83-07/21/94	11	5	
FRSP0087	No	01147	SELENIUM, TOTAL (UG/L AS SE)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	05/22/91-05/22/91	0	1	
FRSP0107	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/12/91-09/29/94	2	3	
FRSP0112	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/12/91-09/29/94	2	3	
FRSP0010	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/17/90-04/17/90	0	1	
FRSP0019	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-06/25/97	14	7	
FRSP0023	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0025	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-08/19/86	3	4	
FRSP0026	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/13/84-06/13/84	0	1	
FRSP0027	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/26/83-08/27/97	14	6	
FRSP0043	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0058	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/26/93-07/23/97	4	3	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0023	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/77-05/02/77	0	1	
FRSP0025	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/07/78-07/09/86	8	10	
FRSP0026	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-07/07/86	16	25	
FRSP0027	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-09/15/94	19	19	
FRSP0028	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-03/17/77	6	16	
FRSP0036	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-10/21/75	5	17	
FRSP0040	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	9	21	
FRSP0043	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/06/84-07/21/94	10	2	
FRSP0045	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/30/77-07/12/82	4	12	
FRSP0047	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/07/78-09/07/78	0	1	
FRSP0048	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-07/14/94	24	50	
FRSP0049	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/12/72-06/10/91	19	38	
FRSP0055	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/14/91-08/14/91	0	2	
FRSP0058	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/17/73-10/24/89	16	20	
FRSP0065	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/24/89-07/14/94	4	3	
FRSP0072	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/31/77-04/10/79	2	5	
FRSP0080	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/27/75-07/21/94	19	16	
FRSP0086	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	1	3	
FRSP0087	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/22/91-05/22/91	0	1	
FRSP0097	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	1	3	
FRSP0101	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	1	3	
FRSP0103	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/10/81-03/10/81	0	1	
FRSP0106	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/25/89-03/30/91	1	3	
FRSP0107	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/01/74-09/29/94	19	8	
FRSP0111	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/25/89-03/30/91	1	3	
FRSP0112	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/23/77-09/29/94	17	6	
FRSP0008	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/23/82	4	3	
FRSP0027	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0033	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	10/26/98-10/26/98	0	1	
FRSP0055	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/23/96-07/23/96	0	1	
FRSP0063	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/20/96-08/20/96	0	1	
FRSP0065	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	12/17/98-12/17/98	0	1	
FRSP0080	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/20/97-05/21/98	1	2	
FRSP0047	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/07/78-09/07/78	0	1	
FRSP0107	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	11/12/91-11/12/91	0	1	
FRSP0112	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	11/12/91-11/12/91	0	1	
FRSP0010	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0022	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0055	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/23/96-07/23/96	0	1	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0058	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/29/87-08/22/90	3	30	
FRSP0063	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/20/96-08/20/96	0	1	
FRSP0065	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/29/87-12/17/98	11	92	
FRSP0070	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/20/96-08/20/96	0	1	
FRSP0071	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/20/96-08/20/96	0	1	
FRSP0080	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/23/79-12/16/98	19	202	
FRSP0084	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/27/90-10/21/98	7	21	
FRSP0087	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/22/91-05/22/91	0	1	
FRSP0107	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/09/87-11/04/98	11	62	
FRSP0112	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/19/90-11/04/98	7	29	
FRSP0045	No	01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	01/12/88-02/27/92	4	2	
FRSP0106	No	01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0109	No	22703	URANIUM, NATURAL, DISSOLVED	09/01/77-09/01/77	0	1	
FRSP0002	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	2	11	
FRSP0008	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-07/11/77	9	13	
FRSP0010	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/04/76-07/11/77	0	3	
FRSP0012	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	2	11	
FRSP0015	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	2	11	
FRSP0018	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/11/77-07/11/77	0	1	
FRSP0022	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	8	20	
FRSP0023	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/04/76-07/11/77	0	4	
FRSP0026	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-05/11/76	7	17	
FRSP0028	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-10/06/70	2	14	
FRSP0036	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-01/23/72	3	13	
FRSP0040	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-03/31/77	8	17	
FRSP0048	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/20/71	3	13	
FRSP0104	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/70-07/14/70	0	1	
FRSP0058	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/08/87-10/08/87	0	1	
FRSP0065	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/08/87-10/08/87	0	1	
FRSP0010	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	0	3	
FRSP0023	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	0	4	
FRSP0010	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/04/92-09/15/97	5	23	
FRSP0023	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/05/94-09/15/97	3	19	
FRSP0033	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/08/95-06/08/95	0	1	
FRSP0104	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/70-07/14/70	0	1	
FRSP0002	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-10/06/75	4	34	
FRSP0008	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-06/13/79	8	54	
FRSP0010	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	22	106	
FRSP0012	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-10/06/75	4	34	
FRSP0013	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	6	28	
FRSP0015	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-08/28/74	3	24	
FRSP0017	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/06/85-06/06/85	0	1	
FRSP0018	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/26/74-06/13/79	4	27	
FRSP0019	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/26/91-02/26/91	0	1	
FRSP0020	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/25/75-06/27/79	4	41	
FRSP0021	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/16/74-07/27/78	3	5	
FRSP0022	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	27	217	T,A,S
FRSP0023	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	22	64	
FRSP0025	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	86	
FRSP0026	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	17	123	
FRSP0027	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	24	165	T
FRSP0028	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	7	55	
FRSP0032	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/12/70-06/25/70	0	5	
FRSP0036	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	5	51	
FRSP0040	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	8	68	
FRSP0042	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/77-06/08/77	0	1	
FRSP0043	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/24/94-11/23/98	4	25	
FRSP0048	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	28	151	T,S
FRSP0049	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	19	73	
FRSP0052	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/77-06/08/77	0	1	
FRSP0055	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/14/91-07/23/96	4	3	
FRSP0057	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/23/96-07/23/96	0	1	
FRSP0058	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-03/29/89	15	48	
FRSP0063	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	0	1	
FRSP0065	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	11	72	
FRSP0070	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	0	1	
FRSP0071	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	0	1	
FRSP0072	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/03/76-06/04/79	3	17	
FRSP0080	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	24	220	A
FRSP0081	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/76-10/05/76	0	2	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0080	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-04/26/95	11	7	
FRSP0084	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0087	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0107	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0080	No	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	07/16/91-07/16/91	0	3	
FRSP0010	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0022	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0055	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0058	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0080	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/26/95-04/26/95	0	1	
FRSP0084	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/29/95-07/31/97	2	2	
FRSP0086	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0097	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0106	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0106	No	01300	OIL-GREASE (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01300	OIL-GREASE (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01305	DETERGENT SUDS (SEVERITY)	03/04/87-12/03/91	4	2	
FRSP0106	No	01305	DETERGENT SUDS (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01305	DETERGENT SUDS (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01310	GAS BUBBLES (SEVERITY)	03/04/87-08/26/92	5	4	
FRSP0106	No	01310	GAS BUBBLES (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01310	GAS BUBBLES (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01315	SLUDGE, FLOATING (SEVERITY)	03/04/87-12/04/91	4	4	
FRSP0106	No	01315	SLUDGE, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01315	SLUDGE, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01320	GARBAGE, FLOATING (SEVERITY)	08/13/93-08/13/93	0	1	
FRSP0106	No	01320	GARBAGE, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01320	GARBAGE, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01325	ALGAE, FLOATING MATS (SEVERITY)	08/26/86-06/25/92	5	6	
FRSP0106	No	01325	ALGAE, FLOATING MATS (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01325	ALGAE, FLOATING MATS (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	03/04/87-11/30/93	6	4	
FRSP0106	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0106	No	01340	FISH, DEAD (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01340	FISH, DEAD (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01345	DEBRIS, FLOATING (SEVERITY)	01/21/87-12/22/93	6	26	
FRSP0106	No	01345	DEBRIS, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01345	DEBRIS, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01350	TURBIDITY (SEVERITY)	01/21/87-12/22/93	6	44	
FRSP0086	No	01350	TURBIDITY (SEVERITY)	03/30/91-10/01/91	0	2	
FRSP0097	No	01350	TURBIDITY (SEVERITY)	03/30/91-10/01/91	0	2	
FRSP0101	No	01350	TURBIDITY (SEVERITY)	03/30/91-03/30/91	0	1	
FRSP0106	No	01350	TURBIDITY (SEVERITY)	10/03/90-03/30/91	0	2	
FRSP0110	No	01350	TURBIDITY (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0111	No	01350	TURBIDITY (SEVERITY)	03/30/91-03/30/91	0	1	
FRSP0009	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	04/23/96-04/23/96	0	1	
FRSP0010	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/25/79-04/28/83	3	19	
FRSP0013	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/14/92-11/23/98	6	27	
FRSP0020	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/27/90-03/27/91	0	2	
FRSP0022	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/27/79-11/23/98	19	147	
FRSP0025	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/23/79-06/17/87	7	82	
FRSP0026	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/25/79-03/29/88	8	27	
FRSP0027	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/03/79-11/23/98	19	140	
FRSP0033	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	03/10/92-12/10/98	6	119	
FRSP0043	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	03/24/94-11/23/98	4	25	
FRSP0048	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/13/90-12/17/98	8	74	
FRSP0049	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/13/90-06/10/91	0	10	
FRSP0055	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/14/91-08/14/91	0	1	

Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0047	No	34283	BIS (2-CHLOROISOPROPYL) ETHER	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L		09/07/78-09/07/78	0	1	
FRSP0047	No	34301	CHLOROBENZENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34311	CHLOROETHANE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34320	CHRYSENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34336	DIETHYL PHTHALATE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34341	DIMETHYL PHTHALATE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34346	1,2-DIPHENYLHYDRAZINE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34351	ENDOSULFAN SULFATE	TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	34356	ENDOSULFAN, BETA	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34356	ENDOSULFAN, BETA	TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34356	ENDOSULFAN, BETA	TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34356	ENDOSULFAN, BETA	TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34356	ENDOSULFAN, BETA	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34356	ENDOSULFAN, BETA	TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34356	ENDOSULFAN, BETA	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34356	ENDOSULFAN, BETA	TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34356	ENDOSULFAN, BETA	TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34356	ENDOSULFAN, BETA	TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34356	ENDOSULFAN, BETA	TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34356	ENDOSULFAN, BETA	TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34356	ENDOSULFAN, BETA	TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34356	ENDOSULFAN, BETA	TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34356	ENDOSULFAN, BETA	TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34361	ENDOSULFAN, ALPHA	TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34366	ENDRIN ALDEHYDE	TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0047	No	34371	ETHYLBENZENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34376	FLUORANTHENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34381	FLUORENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34386	HEXACHLOROCYCLOPENTADIENE	TOTWUG/L	09/07/78-09/07/78	0	1	

Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0083	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	0	1	
FRSP0084	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/27/91-10/21/98	7	19	
FRSP0087	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-05/22/91	15	2	
FRSP0095	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/22/91-05/22/91	0	1	
FRSP0098	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	0	1	
FRSP0102	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	0	1	
FRSP0103	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	0	2	
FRSP0107	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/09/74-11/04/98	24	69	
FRSP0108	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/76-01/29/76	0	1	
FRSP0112	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/27/76-11/04/98	22	45	
FRSP0045	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	16	95	
FRSP0086	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	1	3	
FRSP0097	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	1	3	
FRSP0101	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	1	3	
FRSP0106	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	1	4	
FRSP0111	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/25/89-03/30/91	1	3	
FRSP0045	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	16	95	
FRSP0047	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32104	BROMOFORM,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0033	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	0	2	
FRSP0033	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/07/98-10/07/98	0	2	
FRSP0033	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	0	2	
FRSP0033	No	32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	0	2	
FRSP0033	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/07/98-10/07/98	0	2	
FRSP0033	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	10/07/98-10/07/98	0	2	
FRSP0013	No	32240	TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	0	3	
FRSP0022	No	32240	TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	0	3	
FRSP0027	No	32240	TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	0	3	
FRSP0048	No	32240	TANNIN AND LIGNIN (MG/L)	05/20/92-02/24/93	0	8	
FRSP0065	No	32240	TANNIN AND LIGNIN (MG/L)	05/20/92-02/24/93	0	8	
FRSP0080	No	32240	TANNIN AND LIGNIN (MG/L)	05/14/92-09/29/92	0	2	
FRSP0084	No	32240	TANNIN AND LIGNIN (MG/L)	06/27/91-12/22/92	1	3	
FRSP0107	No	32240	TANNIN AND LIGNIN (MG/L)	06/24/92-12/14/92	0	3	
FRSP0112	No	32240	TANNIN AND LIGNIN (MG/L)	06/24/92-12/14/92	0	3	
FRSP0086	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	1	3	
FRSP0097	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	1	3	
FRSP0101	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	1	3	
FRSP0106	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/25/89-03/30/91	1	3	
FRSP0111	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/25/89-03/30/91	1	3	
FRSP0047	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/07/78-09/07/78	0	1	
FRSP0047	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/07/78-09/07/78	0	1	
FRSP0047	No	34200	ACENAPHTHYLENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34205	ACENAPHTHENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34210	ACROLEIN TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34215	ACRYLONITRILE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34220	ANTHRACENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34247	BENZO-A-PYRENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0080	No	34252	BERYLLIUM WET WGTTISMG/KG	07/16/91-07/16/91	0	3	
FRSP0010	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0047	No	34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	09/07/78-09/07/78	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0047	No	34671	PCB - 1016 TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34671	PCB - 1016 TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34671	PCB - 1016 TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34671	PCB - 1016 TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34671	PCB - 1016 TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34671	PCB - 1016 TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34671	PCB - 1016 TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34671	PCB - 1016 TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34671	PCB - 1016 TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0047	No	34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34696	NAPHTHALENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/07/86-07/07/86	0	1	
FRSP0022	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	0	2	
FRSP0025	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/17/85-07/22/86	1	2	
FRSP0055	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	0	2	
FRSP0010	No	38451	DICHLORPROP WATER,SUSPUG/L	07/07/86-07/07/86	0	1	
FRSP0022	No	38451	DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	0	2	
FRSP0025	No	38451	DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	38451	DICHLORPROP WATER,SUSPUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	38451	DICHLORPROP WATER,SUSPUG/L	07/17/85-07/22/86	1	2	
FRSP0055	No	38451	DICHLORPROP WATER,SUSPUG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	38451	DICHLORPROP WATER,SUSPUG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	38451	DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	0	2	
FRSP0084	No	38451	DICHLORPROP WATER,SUSPUG/L	09/28/93-09/28/93	0	1	
FRSP0010	No	38745	2,4-DB WATER, TOTUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	38745	2,4-DB WATER, TOTUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	38745	2,4-DB WATER, TOTUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	38745	2,4-DB WATER, TOTUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	38745	2,4-DB WATER, TOTUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	38745	2,4-DB WATER, TOTUG/L	07/17/85-08/11/93	8	3	
FRSP0048	No	38745	2,4-DB WATER, TOTUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	38745	2,4-DB WATER, TOTUG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	38745	2,4-DB WATER, TOTUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	38745	2,4-DB WATER, TOTUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	38745	2,4-DB WATER, TOTUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	38745	2,4-DB WATER, TOTUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	38745	2,4-DB WATER, TOTUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	38745	2,4-DB WATER, TOTUG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/79-07/07/86	6	4	
FRSP0013	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-08/11/93	13	7	
FRSP0025	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-07/09/86	6	6	
FRSP0026	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/79-07/07/86	6	3	
FRSP0027	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/13/79-08/11/93	13	7	
FRSP0047	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-07/29/93	13	7	
FRSP0084	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0055	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0084	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0010	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-06/25/97	12	5	
FRSP0023	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/01/95-07/30/97	2	2	
FRSP0025	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-08/19/86	1	3	
FRSP0026	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/13/84-06/13/84	0	1	
FRSP0027	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/29/85-08/27/97	11	4	
FRSP0043	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	08/26/91-08/20/96	4	2	

Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name		Start - End	Years	Obs	Plots
FRSP0047	No	34396	HEXACHLOROETHANE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34403	INDENO (1,2,3-CD) PYRENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34408	ISOPHORONE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34413	METHYL BROMIDE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34418	METHYL CHLORIDE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34423	METHYLENE CHLORIDE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34428	N-NITROSODI-N-PROPYLAMINE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34433	N-NITROSODIPHENYLAMINE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34438	N-NITROSODIMETHYLAMINE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34447	NITROBENZENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34452	PARACHLOROMETA CRESOL	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34461	PHENANTHRENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34469	PYRENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34475	TETRACHLOROETHYLENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/18/93-08/27/97	4	3	
FRSP0017	No	34480	THALLIUM	DRY WGTBOTMG/KG	04/17/90-04/17/90	0	1	
FRSP0019	No	34480	THALLIUM	DRY WGTBOTMG/KG	04/17/90-02/26/91	0	2	
FRSP0022	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/16/83-06/25/97	14	7	
FRSP0023	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/01/95-07/30/97	2	2	
FRSP0025	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/16/83-08/19/86	3	4	
FRSP0026	No	34480	THALLIUM	DRY WGTBOTMG/KG	06/13/84-06/13/84	0	1	
FRSP0027	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/26/83-08/27/97	14	6	
FRSP0043	No	34480	THALLIUM	DRY WGTBOTMG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	34480	THALLIUM	DRY WGTBOTMG/KG	07/22/92-07/23/97	5	3	
FRSP0058	No	34480	THALLIUM	DRY WGTBOTMG/KG	10/24/89-10/24/89	0	1	
FRSP0063	No	34480	THALLIUM	DRY WGTBOTMG/KG	08/20/96-08/20/96	0	1	
FRSP0065	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/16/83-04/26/95	11	7	
FRSP0084	No	34480	THALLIUM	DRY WGTBOTMG/KG	06/29/92-07/31/97	5	3	
FRSP0087	No	34480	THALLIUM	DRY WGTBOTMG/KG	05/22/91-05/22/91	0	1	
FRSP0095	Yes	34480	THALLIUM	DRY WGTBOTMG/KG	05/22/91-05/22/91	0	1	
FRSP0107	No	34480	THALLIUM	DRY WGTBOTMG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	34480	THALLIUM	DRY WGTBOTMG/KG	03/16/95-07/01/97	2	2	
FRSP0047	No	34488	TRICHLOROFLUOROMETHANE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34496	1,1-DICHLOROETHANE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34501	1,1-DICHLOROETHYLENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34506	1,1,1-TRICHLOROETHANE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34511	1,1,2-TRICHLOROETHANE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34516	1,1,2,2-TETRACHLOROETHANE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34536	1,2-DICHLOROBENZENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34541	1,2-DICHLOROPROPANE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34551	1,2,4-TRICHLOROBENZENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34556	1,2,5,6-DIBENZANTHRACENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34561	1,3-DICHLOROPROPENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34566	1,3-DICHLOROBENZENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34571	1,4-DICHLOROBENZENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34576	2-CHLOROETHYL VINYL ETHER	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34581	2-CHLORONAPHTHALENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34586	2-CHLOROPHENOL	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34591	2-NITROPHENOL	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34596	DI-N-OCTYL PHTHALATE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34601	2,4-DICHLOROPHENOL	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34606	2,4-DIMETHYLPHENOL	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34611	2,4-DINITROTOLUENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34616	2,4-DINITROPHENOL	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34621	2,4,6-TRICHLOROPHENOL	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34626	2,6-DINITROTOLUENE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34631	3,3'-DICHLOROBENZIDINE	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34636	4-BROMOPHENYL PHENYL ETHER	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34641	4-CHLOROPHENYL PHENYL ETHER	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34646	4-NITROPHENOL	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL)	TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	34671	PCB - 1016	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34671	PCB - 1016	TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34671	PCB - 1016	TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34671	PCB - 1016	TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34671	PCB - 1016	TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34671	PCB - 1016	TOTWUG/L	07/17/85-08/11/93	8	3	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0022	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	
FRSP0047	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	7	
FRSP0013	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	10	
FRSP0025	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	9	
FRSP0026	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	6	
FRSP0027	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	9	
FRSP0047	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	10	
FRSP0084	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/30/81-07/30/97	16	4	
FRSP0013	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-06/25/97	16	6	
FRSP0023	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-06/06/84	3	4	
FRSP0026	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/30/81-06/23/82	1	2	
FRSP0027	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/09/81-08/27/97	16	6	
FRSP0043	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/23/96-07/23/96	0	1	
FRSP0063	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/20/96-08/20/96	0	1	
FRSP0065	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-04/26/95	13	4	
FRSP0084	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0010	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	0	1	
FRSP0013	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/11/93-08/11/93	0	1	
FRSP0022	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-08/11/93	8	3	
FRSP0025	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/09/86	0	2	
FRSP0026	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	0	1	
FRSP0027	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/17/85-08/11/93	8	3	
FRSP0047	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/78-09/07/78	0	1	
FRSP0048	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	0	1	
FRSP0055	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/14/91-07/23/96	4	3	
FRSP0063	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/20/96-08/20/96	0	1	
FRSP0065	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	0	1	
FRSP0080	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/29/93	8	3	
FRSP0084	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/28/93-09/28/93	0	1	
FRSP0107	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	0	1	
FRSP0112	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0065	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-04/26/95	9	6	
FRSP0084	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/29/92-07/31/97	5	3	
FRSP0107	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	03/16/95-07/01/97	2	2	
FRSP0010	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0045	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/20/87-04/28/94	6	35	
FRSP0047	No	39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0047	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	
FRSP0047	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	
FRSP0047	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0040	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/25/71-04/25/71	0	1	
FRSP0048	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/11/71-07/11/71	0	1	
FRSP0010	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0010	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0008	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/02/71-07/02/71	0	1	
FRSP0010	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	
FRSP0047	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/01/95-07/30/97	2	2	
FRSP0013	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/18/93-08/27/97	4	3	
FRSP0022	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-06/25/97	12	5	
FRSP0023	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/01/95-07/30/97	2	2	
FRSP0025	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-08/19/86	1	3	
FRSP0026	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/13/84-06/13/84	0	1	
FRSP0027	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/85-08/27/97	11	4	
FRSP0043	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/03/95-06/25/97	2	2	
FRSP0048	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/92-07/23/97	5	3	
FRSP0055	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/14/91-07/23/96	4	2	
FRSP0063	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/26/91-08/20/96	4	2	
FRSP0065	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/26/93-07/23/97	4	3	
FRSP0080	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-04/26/95	9	6	
FRSP0084	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/29/92-07/31/97	5	3	
FRSP0107	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/16/95-07/01/97	2	2	
FRSP0112	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/16/95-07/01/97	2	2	
FRSP0010	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0010	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	0	1	
FRSP0013	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/11/93-08/11/93	0	1	
FRSP0022	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-08/11/93	8	3	
FRSP0025	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/09/86	0	2	
FRSP0026	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	0	1	
FRSP0027	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/17/85-08/11/93	8	3	
FRSP0047	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/78-09/07/78	0	1	
FRSP0048	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	0	1	
FRSP0055	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/14/91-07/23/96	4	3	
FRSP0063	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/20/96-08/20/96	0	1	
FRSP0065	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	0	1	
FRSP0080	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/29/93	8	3	
FRSP0084	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/28/93-09/28/93	0	1	
FRSP0107	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	0	1	
FRSP0112	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	0	1	
FRSP0010	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/23/79-08/27/81	1	3	
FRSP0022	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	1	4	
FRSP0025	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	1	4	
FRSP0026	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/23/79-08/27/81	1	2	
FRSP0027	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/13/79-09/30/81	2	4	
FRSP0047	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0055	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	1	4	
FRSP0084	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/28/93-09/28/93	0	1	
FRSP0010	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-06/25/97	12	5	
FRSP0023	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0025	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-08/19/86	1	3	
FRSP0026	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/13/84-06/13/84	0	1	
FRSP0027	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/29/85-08/27/97	11	4	
FRSP0043	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/26/91-08/20/96	4	2	
FRSP0065	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-04/26/95	9	6	
FRSP0084	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/29/92-07/31/97	5	3	
FRSP0107	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0010	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0010	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0010	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0047	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0040	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/14/71-12/14/71	0	1	
FRSP0047	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0010	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0047	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/01/95-07/30/97	2	2	
FRSP0013	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/18/93-08/27/97	4	3	
FRSP0022	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-06/25/97	12	5	
FRSP0023	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/01/95-07/30/97	2	2	
FRSP0025	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-08/19/86	1	3	
FRSP0026	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/13/84-06/13/84	0	1	
FRSP0027	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/85-08/27/97	11	4	
FRSP0043	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/03/95-06/25/97	2	2	
FRSP0048	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/92-07/23/97	5	3	
FRSP0055	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/14/91-07/23/96	4	2	
FRSP0063	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/26/91-08/20/96	4	2	
FRSP0065	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/26/93-07/23/97	4	3	
FRSP0080	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-04/26/95	9	6	
FRSP0084	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/29/92-07/31/97	5	3	
FRSP0107	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/16/95-07/01/97	2	2	
FRSP0112	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/16/95-07/01/97	2	2	
FRSP0010	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0047	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0107	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	03/16/95-07/01/97	2	2	
FRSP0055	No	39560	DEMETON IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39560	DEMETON IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0010	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/06/82-07/12/84	2	3	
FRSP0022	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/20/82-08/21/84	1	3	
FRSP0025	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/20/82-08/21/84	1	3	
FRSP0026	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/06/82-07/12/84	2	3	
FRSP0027	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/23/82-07/30/84	1	2	
FRSP0036	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/15/71-07/15/71	0	1	
FRSP0080	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/25/78-08/21/84	6	4	
FRSP0010	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/30/81-06/23/82	1	2	
FRSP0022	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	3	4	
FRSP0025	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	3	4	
FRSP0026	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/30/81-06/23/82	1	2	
FRSP0027	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/09/81-05/16/84	3	4	
FRSP0080	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	3	3	
FRSP0010	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0047	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0080	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0047	No	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	09/07/78-09/07/78	0	1	
FRSP0010	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0048	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0048	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0048	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0022	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	05/19/74-05/19/74	0	1	
FRSP0013	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	1	2	
FRSP0022	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	1	2	
FRSP0027	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	1	2	
FRSP0043	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/21/94-07/21/94	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0027	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0047	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0055	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0084	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0010	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0013	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	5	
FRSP0025	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	5	
FRSP0048	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	5	
FRSP0084	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-06/25/97	12	5	
FRSP0023	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	05/01/95-07/30/97	2	2	
FRSP0025	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-08/19/86	1	3	
FRSP0026	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/13/84-06/13/84	0	1	
FRSP0027	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	10/29/85-08/27/97	11	4	
FRSP0043	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	08/26/91-08/20/96	4	2	
FRSP0065	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-04/26/95	9	6	
FRSP0084	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/29/92-07/31/97	5	3	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0010	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/11/76-06/13/79	3	19	
FRSP0012	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-10/06/75	5	37	
FRSP0015	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-08/28/74	4	29	
FRSP0018	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/26/74-06/13/79	4	27	
FRSP0020	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/06/75-06/27/79	4	41	
FRSP0022	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	9	101	
FRSP0023	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/11/76-06/13/79	3	20	
FRSP0025	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/07/78-05/01/79	1	8	
FRSP0026	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	9	79	
FRSP0027	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	4	50	
FRSP0028	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	7	68	
FRSP0036	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	5	59	
FRSP0040	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	9	52	
FRSP0048	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	9	75	
FRSP0049	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	7	71	
FRSP0058	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/09/73-05/22/79	6	37	
FRSP0072	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	06/03/76-06/04/79	3	17	
FRSP0080	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	4	49	
FRSP0107	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/09/74-05/03/79	4	29	
FRSP0112	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/27/76-05/03/79	2	19	
FRSP0002	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-10/06/75	5	37	
FRSP0003	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0004	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0005	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0006	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0008	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-06/13/79	9	58	
FRSP0010	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	22	60	
FRSP0012	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-10/06/75	5	37	
FRSP0013	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	6	28	
FRSP0015	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-08/28/74	4	29	
FRSP0018	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/26/74-06/13/79	4	27	
FRSP0020	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/06/75-06/27/79	4	42	
FRSP0022	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	28	130	S
FRSP0023	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	22	61	
FRSP0025	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/07/78-05/01/79	1	8	
FRSP0026	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	9	79	
FRSP0027	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	24	78	
FRSP0028	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	7	68	
FRSP0032	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/12/70-06/25/70	0	5	
FRSP0033	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/94-07/08/94	0	1	
FRSP0036	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	5	59	
FRSP0040	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	9	52	
FRSP0043	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/94-11/23/98	4	25	
FRSP0045	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/01/71-08/26/92	20	74	
FRSP0048	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	28	136	T,S
FRSP0049	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	7	71	
FRSP0055	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/23/96-07/23/96	0	1	
FRSP0057	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/23/96-07/23/96	0	1	
FRSP0058	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/09/73-05/22/79	6	38	
FRSP0060	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0061	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0063	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0065	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	6	59	
FRSP0070	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0071	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0072	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/03/76-06/04/79	3	17	
FRSP0074	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	25	
FRSP0075	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	25	
FRSP0076	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/17/93-11/18/94	0	17	
FRSP0077	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	22	
FRSP0080	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	24	122	
FRSP0084	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/29/92-10/21/98	6	19	
FRSP0086	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0097	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0101	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0106	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/25/89-03/30/91	1	3	
FRSP0107	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/09/74-11/04/98	24	53	
FRSP0111	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/25/89-03/30/91	1	3	
FRSP0112	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/27/76-11/04/98	22	42	
FRSP0045	No	71825	ACIDITY, TOTAL (MG/L AS H)	06/14/84-06/14/84	0	1	
FRSP0045	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/25/79-01/13/81	1	13	
FRSP0045	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/05/79-12/04/85	6	23	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0048	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/24/93-07/14/94	1	2	
FRSP0065	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/24/93-07/14/94	1	2	
FRSP0080	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/25/93-07/21/94	1	2	
FRSP0107	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/02/93-09/29/94	1	2	
FRSP0112	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/02/93-09/29/94	1	2	
FRSP0033	No	49567	PHOSPHOROUS PARTICULATE, FIELD FILT..SUSP.WTR MG/L	03/14/95-12/10/98	3	59	
FRSP0033	No	49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	3	59	
FRSP0033	No	49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	3	57	
FRSP0033	No	49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	3	59	
FRSP0033	No	49572	PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	3	59	
FRSP0008	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/20/76-07/20/76	0	1	
FRSP0010	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/76-08/27/87	11	27	
FRSP0018	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/06/75-08/15/78	2	7	
FRSP0020	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-08/09/75	0	1	
FRSP0022	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	15	73	
FRSP0023	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/11/76-05/08/79	2	9	
FRSP0025	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	04/29/81-09/10/85	4	8	
FRSP0026	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/11/76-04/22/85	8	18	
FRSP0027	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-07/22/87	11	12	
FRSP0028	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-07/21/76	3	2	
FRSP0036	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/19/74-08/09/75	1	2	
FRSP0040	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-08/09/75	0	1	
FRSP0048	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/19/74-06/27/79	4	12	
FRSP0049	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/12/74-04/24/78	3	5	
FRSP0058	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/03/74-08/10/87	13	2	
FRSP0080	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/04/75-04/11/84	8	8	
FRSP0107	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/05/75-05/05/75	0	1	
FRSP0109	No	50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	09/01/77-09/01/77	0	1	
FRSP0109	No	50761	BROMINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	09/01/77-09/01/77	0	1	
FRSP0045	No	60050	ALGAE, TOTAL (CELLS/ML)	07/31/78-05/08/81	2	11	
FRSP0029	Yes	61272	INVALID PARAMETER	09/25/95-12/01/95	0	2	
FRSP0031	Yes	61272	INVALID PARAMETER	09/22/95-02/15/96	0	4	
FRSP0035	Yes	61272	INVALID PARAMETER	09/25/95-12/01/95	0	2	
FRSP0062	Yes	61272	INVALID PARAMETER	10/23/95-12/04/95	0	2	
FRSP0078	No	61272	INVALID PARAMETER	02/02/93-02/15/96	3	33	
FRSP0088	No	61272	INVALID PARAMETER	02/02/93-10/27/95	2	36	
FRSP0089	No	61272	INVALID PARAMETER	02/02/93-04/04/96	3	34	
FRSP0092	Yes	61272	INVALID PARAMETER	02/02/93-04/18/96	3	30	
FRSP0093	Yes	61272	INVALID PARAMETER	02/03/93-08/28/95	2	25	
FRSP0094	Yes	61272	INVALID PARAMETER	02/02/93-04/18/96	3	39	
FRSP0029	Yes	61277	INVALID PARAMETER	09/25/95-12/01/95	0	2	
FRSP0031	Yes	61277	INVALID PARAMETER	09/22/95-02/15/96	0	4	
FRSP0035	Yes	61277	INVALID PARAMETER	09/25/95-12/01/95	0	2	
FRSP0062	Yes	61277	INVALID PARAMETER	10/23/95-12/04/95	0	2	
FRSP0078	No	61277	INVALID PARAMETER	03/02/93-02/15/96	2	28	
FRSP0088	No	61277	INVALID PARAMETER	03/02/93-10/27/95	2	31	
FRSP0089	No	61277	INVALID PARAMETER	03/02/93-04/04/96	3	29	
FRSP0092	Yes	61277	INVALID PARAMETER	03/02/93-04/11/96	3	24	
FRSP0093	Yes	61277	INVALID PARAMETER	03/02/93-08/28/95	2	21	
FRSP0094	Yes	61277	INVALID PARAMETER	03/02/93-04/11/96	3	31	
FRSP0029	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/95-12/01/95	0	2	
FRSP0031	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/22/95-12/01/95	0	2	
FRSP0035	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/95-12/01/95	0	2	
FRSP0045	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	25	320	T,S
FRSP0062	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/95-12/04/95	0	2	
FRSP0078	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/14/93-03/21/96	3	35	
FRSP0086	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	1	3	
FRSP0088	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-10/27/95	2	37	
FRSP0089	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-04/11/96	3	38	
FRSP0092	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-04/25/96	3	32	
FRSP0093	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-08/28/95	2	27	
FRSP0094	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-04/18/96	3	40	
FRSP0097	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	1	3	
FRSP0101	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	1	3	
FRSP0106	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/89-03/30/91	1	3	
FRSP0111	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/89-03/30/91	1	3	
FRSP0045	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	18	263	
FRSP0045	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	14	197	
FRSP0045	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	15	262	
FRSP0045	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/30/77-08/23/93	15	100	
FRSP0002	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-10/06/75	5	37	
FRSP0008	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-06/13/79	9	58	

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From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0058	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0085	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/19/91-08/19/91	0	1	
FRSP0086	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0090	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/91-08/20/91	0	1	
FRSP0091	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/19/91-08/19/91	0	1	
FRSP0095	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-08/19/91	1	2	
FRSP0101	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0105	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/91-08/20/91	0	1	
FRSP0106	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0080	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0033	No	71994	VOLUME OF WATER FILTERED LITERS	10/07/98-10/07/98	0	2	
FRSP0014	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/21/86-04/04/86	0	2	
FRSP0024	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/21/86-04/04/86	0	2	
FRSP0010	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0023	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0027	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	04/03/95-08/27/97	2	2	
FRSP0043	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	08/26/91-08/20/96	4	2	
FRSP0065	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/15/91-04/26/95	3	2	
FRSP0084	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/29/92-07/31/97	5	3	
FRSP0107	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0010	No	77825	ALACHLOR WHOLE WATER,UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	77825	ALACHLOR WHOLE WATER,UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	77825	ALACHLOR WHOLE WATER,UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	77825	ALACHLOR WHOLE WATER,UG/L	07/17/85-08/11/93	8	3	
FRSP0048	No	77825	ALACHLOR WHOLE WATER,UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	77825	ALACHLOR WHOLE WATER,UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	77825	ALACHLOR WHOLE WATER,UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	77825	ALACHLOR WHOLE WATER,UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	77825	ALACHLOR WHOLE WATER,UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	77825	ALACHLOR WHOLE WATER,UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	77825	ALACHLOR WHOLE WATER,UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0023	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0027	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	04/03/95-08/27/97	2	2	
FRSP0043	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	08/26/91-08/20/96	4	2	
FRSP0065	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/15/91-04/26/95	3	2	
FRSP0084	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/29/92-07/31/97	5	3	
FRSP0107	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0045	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/77-08/23/93	15	106	
FRSP0106	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/03/90-10/03/90	0	1	

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0014	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/21/86-04/04/86	0	2	
FRSP0024	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/21/86-04/04/86	0	2	
FRSP0045	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	6	204	
FRSP0045	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	05/15/74-08/15/74	0	7	
FRSP0014	No	71885	IRON (UG/L AS FE)	03/21/86-04/04/86	0	2	
FRSP0024	No	71885	IRON (UG/L AS FE)	03/21/86-04/04/86	0	2	
FRSP0045	No	71885	IRON (UG/L AS FE)	10/04/67-09/21/68	0	27	
FRSP0001	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	0	2	
FRSP0007	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	0	2	
FRSP0011	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	0	2	
FRSP0016	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/28/70-08/28/70	0	1	
FRSP0045	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/25/79-12/04/85	6	38	
FRSP0045	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/31/78-05/08/81	3	25	
FRSP0033	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/26/98-10/26/98	0	1	
FRSP0045	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/30/77-04/23/91	13	48	
FRSP0055	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/23/96-07/23/96	0	1	
FRSP0063	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/20/96-08/20/96	0	1	
FRSP0065	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/17/98-12/17/98	0	1	
FRSP0080	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/20/97-05/21/98	1	2	
FRSP0045	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	12/30/77-12/17/81	3	5	
FRSP0002	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-10/06/75	5	11	
FRSP0008	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-05/02/77	6	14	
FRSP0010	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/02/77-07/07/86	9	7	
FRSP0012	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-10/06/75	5	13	
FRSP0013	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/17/93-09/15/94	1	2	
FRSP0015	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-05/08/74	3	11	
FRSP0017	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/06/85-04/17/90	4	2	
FRSP0018	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/29/75-05/02/77	1	3	
FRSP0019	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/17/90-02/26/91	0	2	
FRSP0020	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-04/16/79	3	7	
FRSP0022	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	24	32	
FRSP0023	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/02/77-05/02/77	0	1	
FRSP0025	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/07/78-07/09/86	8	10	
FRSP0026	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-07/07/86	15	23	
FRSP0027	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-09/15/94	19	19	
FRSP0028	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-03/17/77	6	14	
FRSP0036	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-10/21/75	5	16	
FRSP0040	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-04/10/79	8	21	
FRSP0043	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/06/84-07/21/94	10	2	
FRSP0045	No	71900	MERCURY, TOTAL (UG/L AS HG)	12/30/77-07/12/82	4	12	
FRSP0047	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/07/78-09/07/78	0	1	
FRSP0048	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-06/10/91	20	22	
FRSP0049	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/12/72-06/10/91	19	14	
FRSP0055	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/14/91-08/14/91	0	2	
FRSP0058	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/17/73-10/24/89	16	7	
FRSP0065	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/24/89-10/24/89	0	1	
FRSP0072	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/31/77-04/10/79	2	5	
FRSP0080	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/22/75-07/21/94	18	15	
FRSP0086	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	1	3	
FRSP0087	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	05/22/91-05/22/91	0	1	
FRSP0097	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	1	3	
FRSP0101	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	1	3	
FRSP0103	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/10/81-03/10/81	0	1	
FRSP0106	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/25/89-03/30/91	1	3	
FRSP0107	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/01/74-09/29/94	19	8	
FRSP0111	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/25/89-03/30/91	1	3	
FRSP0112	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/23/77-09/29/94	17	6	
FRSP0008	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-07/30/97	20	5	
FRSP0013	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/23/82	4	3	
FRSP0027	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/14/91-07/23/96	4	2	

Station-By-Station Results

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots
FRSP0110	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/03/90-10/03/90	0	1	
FRSP0045	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/77-11/05/85	7	23	
FRSP0014	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	03/21/86-04/04/86	0	2	
FRSP0024	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	03/21/86-04/04/86	0	2	
FRSP0055	No	81281	KEPONE(C10CL10O) WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	81281	KEPONE(C10CL10O) WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/16/91-07/16/91	0	3	
FRSP0080	No	81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	07/16/91-07/16/91	0	3	
FRSP0013	No	82032	CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	0	1	
FRSP0022	No	82032	CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	0	1	
FRSP0027	No	82032	CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	0	1	
FRSP0107	No	82032	CALCIUM - TOTAL UG/L (AS CA)	03/02/93-03/02/93	0	1	
FRSP0112	No	82032	CALCIUM - TOTAL UG/L (AS CA)	03/02/93-03/02/93	0	1	
FRSP0080	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	05/20/97-05/20/97	0	1	
FRSP0055	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/23/96-07/23/96	0	1	
FRSP0063	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	08/20/96-08/20/96	0	1	
FRSP0080	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	05/20/97-05/20/97	0	1	
FRSP0045	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	03/09/81-05/08/81	0	2	
FRSP0013	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	2	9	
FRSP0022	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	2	9	
FRSP0027	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	2	9	
FRSP0043	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/24/94-06/23/94	0	4	
FRSP0048	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/20/92-06/22/94	2	23	
FRSP0065	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/20/92-06/22/94	2	23	
FRSP0080	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-06/23/94	2	24	
FRSP0084	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/29/92-03/31/94	1	5	
FRSP0107	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/92-03/16/94	1	8	
FRSP0112	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/92-03/16/94	1	8	
FRSP0014	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/21/86-04/04/86	0	2	
FRSP0024	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/04/86-04/04/86	0	1	
FRSP0109	No	82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	09/01/77-09/01/77	0	1	
FRSP0045	No	82398	SAMPLING METHOD (CODES)	03/27/78-08/23/93	15	41	
FRSP0014	No	83509	STREAM, WIDTH METER	03/21/86-04/04/86	0	2	
FRSP0024	No	83509	STREAM, WIDTH METER	03/21/86-04/04/86	0	2	
FRSP0080	No	84007	ANATOMY ALPHA CODE	07/16/91-07/16/91	0	3	

Station Inventory for Station: FRSP0001

NPS Station ID: FRSP0001 LAT/LON: 38.243338/ -77.366115 Agency: 1113RAWQ Date Created: / /
Location: FOX SPRING "116" R03 FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): RAPPAHAN R03 /R03 /RP3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 1 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK & YORK RIVERS ECO Region:
RF1 Index: 02080104041 RF1 Mile Point: 23.770 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: FRSP0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	1	26.5	26.5	26.5	26.5	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	2	0.179	0.179	0.222	0.135	0.004	0.062	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-08/28/70	2	0.668	0.668	0.675	0.66	0.	0.011	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	2	0.35	0.35	0.45	0.25	0.02	0.141	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	2	0.205	0.205	0.25	0.16	0.004	0.064	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	2	12.15	12.15	19.1	5.2	96.605	9.829	**	**	**	**
00690 CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	1	10.9	10.9	10.9	10.9	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	2	0.3	0.3	0.35	0.25	0.005	0.071	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0001

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									

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

Parameter Inventory for Station: FRSP0002

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	05/19/71-10/06/75	34##	1.849	2.264	4.903	1.699	0.641	0.801	1.699	1.699	2.719	3.579
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		183.738								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-10/06/75	37##	0.05	0.077	0.4	0.025	0.004	0.066	0.05	0.05	0.1	0.116
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-10/06/75	37	0.05	0.052	0.19	0.01	0.001	0.037	0.01	0.03	0.055	0.1
71900 MERCURY, TOTAL (UG/L AS HG)	09/03/70-10/06/75	11##	0.25	0.505	2.8	0.25	0.585	0.765	0.25	0.25	0.25	2.34

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

EPA Water Quality Criteria Analysis for Station: FRSP0002

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	47	2	0.04	31	1	0.03	1	0	0.00	15	1	0.07			
00400 PH	Fresh Chronic	9.	46	0	0.00	31	0	0.00	1	0	0.00	14	0	0.00			
	Other-Lo Lim.	6.5	46	2	0.04	31	0	0.00	1	0	0.00	14	2	0.14			
00403 PH, LAB	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	4	2	0.50				1	0	0.00	3	2	0.67			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	37	0	0.00	23	0	0.00				14	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	37	1	0.03	23	0	0.00				14	1	0.07			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	33	0	0.00	24	0	0.00				9	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	3	0	0.00				1	0	0.00			
	Drinking Water	50.	4	0	0.00	3	0	0.00				1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1&	0	0.00	1	0	0.00									
	Drinking Water	5.	1&	0	0.00	1	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	6	0	0.00				6	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	10	1	0.10	5	0	0.00				5	1	0.20			
	Drinking Water	1300.	10	0	0.00	5	0	0.00				5	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	6	0	0.00				3	0	0.00			
	Drinking Water	15.	9	0	0.00	6	0	0.00				3	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	6	0	0.00				6	0	0.00			
	Drinking Water	5000.	12	0	0.00	6	0	0.00				6	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	11	6	0.55	6	3	0.50	1	1	1.00	4	2	0.50			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	34	12	0.35	23	7	0.30				11	5	0.45			
71900 MERCURY, TOTAL	Fresh Acute	2.4	11	1	0.09	7	0	0.00				4	1	0.25			
	Drinking Water	2.	11	1	0.09	7	0	0.00				4	1	0.25			

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

Station Inventory for Station: FRSP0010

NPS Station ID: FRSP0010 LAT/LON: 38.255282/ -77.411948 Agency: 21VASWCB Date Created: 04/19/76
Location: 100 YARDS BELOW MASSAPONOX STP FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP104.47 /VA3-01-X0076/VA3-3X0076
RMI-Indexes: 0215002 Within Park Boundary: No
RMI-Miles: 0104.47
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 0.710 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	189	20.1	18.46	32.	0.8	74.594	8.637	5.8	11.1	25.7	28.3
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/23/80-10/23/80	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)		02/21/91-10/04/93	6	8.85	9.533	16.	5.	14.543	3.813	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	58	9.2	11.895	35.	0.4	54.277	7.367	5.15	6.9	14.375	22.3
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	112	0.95	1.311	35.	0.15	10.638	3.262	0.4	0.6	1.25	1.97
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	174	86.	101.586	2000.	6.	21396.776	146.276	71.	77.	100.	129.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	97	81.	86.32	157.	63.	346.741	18.621	70.	76.	90.5	107.
00096 SALINITY AT 25 DEGREES C (MG/ML)		05/03/88-12/01/94	70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	126	8.6	9.187	15.3	5.4	5.018	2.24	6.7	7.3	11.2	12.5
00300 OXYGEN, DISSOLVED	MG/L	06/24/76-09/29/87	64	8.4	8.594	12.9	4.8	2.737	1.654	6.85	7.6	9.275	10.7
00310p BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	164	1.	1.58	6.	0.5	1.341	1.158	0.5	1.	2.	3.
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	102	8.	9.167	25.	0.5	20.323	4.508	4.	6.	13.	15.
00400p PH (STANDARD UNITS)		05/11/76-12/10/98	181	7.2	7.098	8.9	5.6	0.264	0.514	6.4	6.69	7.4	7.6
00400p CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	181	7.2	6.815	8.9	5.6	0.344	0.587	6.4	6.69	7.4	7.6
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	181	0.063	0.153	2.512	0.001	0.056	0.236	0.025	0.04	0.204	0.398
00403 PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	105	6.9	6.878	8.	3.	0.28	0.529	6.5	6.65	7.1	7.44
00403 CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	105	6.9	5.014	8.	3.	3.789	1.946	6.5	6.65	7.1	7.44
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	105	0.126	9.686	1000.	0.01	9520.704	97.574	0.037	0.079	0.225	0.316
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	105	21.	21.943	35.	12.	23.67	4.865	16.	18.	25.	30.
00480 SALINITY - PARTS PER THOUSAND		08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	44	75.5	75.182	146.	51.	318.385	17.843	53.5	60.25	83.25	95.
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	44	21.	30.136	400.	11.	3293.051	57.385	14.	16.25	25.75	30.
00510 RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	44	50.	53.364	112.	33.	235.074	15.332	36.	42.	60.75	74.5
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	171	9.	11.471	104.	0.	160.729	12.678	2.5	5.	13.	22.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	172	2.	4.218	200.	0.	232.541	15.249	1.	1.5	4.	6.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	172	6.	13.285	800.	0.	3763.718	61.349	2.	3.	10.	18.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	69	0.08	0.111	0.41	0.016	0.007	0.086	0.02	0.041	0.15	0.25
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	103	0.1	0.149	0.9	0.02	0.028	0.166	0.02	0.05	0.2	0.368
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	69	0.005	0.009	0.03	0.001	0.	0.007	0.005	0.005	0.01	0.02
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	102	0.01	0.024	0.6	0.005	0.005	0.072	0.005	0.005	0.02	0.04
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	69	0.52	0.51	1.06	0.02	0.053	0.23	0.18	0.35	0.675	0.81
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/25/79-12/10/98	84	0.455	0.461	1.2	0.005	0.052	0.227	0.16	0.27	0.627	0.735
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	159	0.4	0.448	1.6	0.05	0.066	0.258	0.2	0.3	0.6	0.8

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

Station Inventory for Station: FRSP0002

NPS Station ID: FRSP0002 LAT/LON: 38.244448/ -77.367781 Agency: 21VASWCB Date Created: / /
Location: BUOY 116 FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP103.27 /VA3-01-X0044/VA3-3X0044
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02070011 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02070011 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0041 TOPO MAP NAME: RAPPAHANNOCK ACADEMY, VA

Parameter Inventory for Station: FRSP0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-10/06/75	47	26.1	24.419	31.1	10.	23.109	4.807	17.68	20.6	28.3	30.
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-10/06/75	47	7.6	7.696	12.	2.6	3.429	1.852	5.88	6.6	8.8	10.
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/31/69-07/16/74	6	2.35	2.183	3.	1.	0.682	0.826	**	**	**	**
00400 PH (STANDARD UNITS)		07/02/68-10/06/75	46	6.95	7.004	8.7	6.4	0.159	0.398	6.67	6.8	7.2	7.36
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-10/06/75	46	6.947	6.892	8.7	6.4	0.172	0.414	6.67	6.8	7.2	7.36
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-10/06/75	46	0.113	0.128	0.398	0.002	0.006	0.078	0.045	0.063	0.158	0.215
00403 PH, LAB, STANDARD UNITS	SU	03/31/69-05/27/70	4	6.6	6.625	6.8	6.5	0.022	0.15	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		03/31/69-05/27/70	4	6.589	6.606	6.8	6.5	0.023	0.152	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/31/69-05/27/70	4	0.258	0.248	0.316	0.158	0.007	0.081	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/31/69-05/27/70	5	16.	17.4	24.	13.	20.8	4.561	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		03/31/69-09/13/71	6	131.	172.833	384.	88.	11852.167	108.868	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		03/31/69-09/13/71	6	39.	45.667	105.	4.	1444.667	38.009	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		03/31/69-09/13/71	6	86.5	109.167	279.	12.	8130.167	90.167	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	17.5	20.667	39.	8.	136.667	11.69	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	6.	8.167	20.	1.	53.767	7.333	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	10.	12.5	26.	7.	47.5	6.892	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/13/70-10/06/75	36	0.1	0.166	1.149	0.05	0.038	0.194	0.05	0.05	0.2	0.324
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/13/70-10/06/75	37	0.01	0.012	0.05	0.005	0.	0.01	0.005	0.005	0.01	0.022
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/13/70-10/06/75	37	0.47	0.864	13.29	0.09	4.479	2.116	0.148	0.355	0.74	0.942
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-10/06/75	37	0.3	0.432	1.899	0.1	0.092	0.304	0.2	0.3	0.5	0.7
00945 SULFATE, TOTAL (MG/L AS SO4)		06/22/70-10/06/75	33	13.	16.727	57.	1.	123.892	11.131	5.8	9.5	21.5	34.4
01002 ARSENIC, TOTAL (UG/L AS AS)		08/08/71-10/06/75	4##	2.5	3.125	6.	1.5	3.896	1.974	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		08/08/71-10/06/75	7##	5.	4.357	5.	0.5	2.893	1.701	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		04/13/70-10/06/75	12##	5.	6.667	20.	5.	19.697	4.438	5.	5.	5.	17.
01042 COPPER, TOTAL (UG/L AS CU)		04/13/70-05/08/74	10##	5.	8.	20.	5.	23.333	4.83	5.	5.	10.	19.
01051 LEAD, TOTAL (UG/L AS PB)		08/08/71-10/06/75	9##	5.	4.444	5.	1.	1.778	1.333	1.	4.5	5.	5.
01055 MANGANESE, TOTAL (UG/L AS MN)		04/13/70-04/13/70	1	109.9	109.9	109.9	109.9	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)		05/17/73-10/06/75	4##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		04/13/70-10/06/75	12##	5.	14.583	70.	5.	365.72	19.124	5.	5.	17.5	58.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)		07/02/68-10/07/70	11	2300.	17253.636	150000.	430.	1956801205.455	44235.746	494.	750.	11000.	122200.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150		07/02/68-10/07/70	11	3.362	3.481	5.176	2.633	0.574	0.758	2.682	2.875	4.041	4.949
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506				GEOMETRIC MEAN =	3026.188								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/19/71-10/06/75	34##	75.	2980.882	80000.	50.	187298184.046	13685.693	50.	50.	525.	4200.

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

Station Inventory for Station: FRSP0003

NPS Station ID: FRSP0003 LAT/LON: 38.241031/ -77.372171 Agency: 11NPSWRD Date Created: 02/13/99
Location: UNNAMED TRIB AT WETLAND EXIT AT BERGER PRESERVE FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): FRSP_GMU_BP4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

THE STATION IS LOCATED ON THE RAPPAHANNOCK ACADEMY; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED TRIBUTARY OF SNOW CREEK AT THE EXIT POINT OF A WETLAND AT BERGER PRESERVE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: FRSP0003

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		11/19/93-11/18/94	26	121.5	109.115	135.	40.	614.666	24.792	76.8	86.25	128.25	134.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	26	11.35	11.404	19.6	6.6	11.21	3.348	7.14	8.6	13.15	17.13
00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	26	6.7	6.662	7.2	6.	0.093	0.305	6.17	6.5	6.825	7.
00403	CONVERTED PH, LAB, STANDARD UNITS		11/19/93-11/18/94	26	6.7	6.547	7.2	6.	0.107	0.326	6.17	6.5	6.825	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/19/93-11/18/94	26	0.2	0.284	1.	0.063	0.059	0.242	0.1	0.15	0.316	0.68
00665	PHOSPHORUS, TOTAL (MG/L AS P)		12/02/93-11/18/94	25	0.028	0.044	0.371	0.011	0.005	0.069	0.016	0.021	0.044	0.051
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		12/02/93-11/18/94	25	0.016	0.017	0.047	0.006	0.	0.009	0.007	0.01	0.02	0.031
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		11/19/93-11/18/94	26	0.009	0.011	0.04	0.005	0.	0.007	0.006	0.007	0.012	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 time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0003

			Total	Exceed	Prop.	7/01-10/14			10/15- 3/31			4/01- 6/30			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00			
	Other-Lo Lim.	6.5	26	7	0.27	8	1	0.13	12	5	0.42	6	1	0.17			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	31	26.7	26.342	31.1	17.2	11.21	3.348	20.7	25.	28.9	30.
00300 OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	31	7.4	7.474	12.	4.	3.487	1.867	5.52	6.5	8.2	11.02
00400 PH (STANDARD UNITS)	07/02/68-10/06/75	31	7.	7.071	8.7	6.6	0.187	0.432	6.7	6.8	7.2	7.46
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	31	7.	6.952	8.7	6.6	0.201	0.449	6.7	6.8	7.2	7.46
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	31	0.1	0.112	0.251	0.002	0.004	0.061	0.035	0.063	0.158	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 box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	07/02/68-10/06/75	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	15	20.	21.407	28.3	13.3	19.148	4.376	15.64	17.8	25.	28.3
00300 OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	15	8.4	8.	10.	2.6	3.209	1.791	5.	7.2	9.	9.94
00400 PH (STANDARD UNITS)	07/02/68-10/06/75	14	6.85	6.871	7.5	6.4	0.085	0.292	6.45	6.675	7.025	7.35
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	14	6.847	6.788	7.5	6.4	0.093	0.305	6.45	6.675	7.025	7.35
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	14	0.142	0.163	0.398	0.032	0.011	0.103	0.047	0.095	0.212	0.357

** - 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

Station Inventory for Station: FRSP0005

NPS Station ID: FRSP0005 LAT/LON: 38.240338/ -77.372171 Agency: 11NPSWRD Date Created: 02/13/99
Location: SNOW CRK AT WETLAND ENTRANCE AT BERGER PRESERVE FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): FRSP_GMU_BP1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

THE STATION IS LOCATED ON THE RAPPAHANNOCK ACADEMY; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT SNOW CREEK AT THE ENTRANCE POINT OF A WETLAND AT BERGER PRESERVE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: FRSP0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	26	75.5	74.923	133.	46.	402.314	20.058	49.5	58.75	89.5	98.3
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	26	9.6	10.335	17.	6.8	8.01	2.83	7.28	8.15	11.925	15.22
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	26	6.65	6.738	8.2	5.1	0.485	0.696	5.88	6.3	7.225	7.73
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	26	6.647	6.185	8.2	5.1	0.803	0.896	5.88	6.3	7.225	7.73
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	26	0.225	0.653	7.943	0.006	2.483	1.576	0.019	0.06	0.501	1.454
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	25	0.029	0.04	0.185	0.009	0.002	0.042	0.014	0.022	0.038	0.103
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	25	0.013	0.014	0.043	0.004	0.	0.008	0.006	0.008	0.017	0.022
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	26	0.008	0.009	0.035	0.003	0.	0.006	0.004	0.005	0.011	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

EPA Water Quality Criteria Analysis for Station: FRSP0005

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00			
	Other-Lo Lim.	6.5	26	8	0.31	8	0	0.00	12	6	0.50	6	2	0.33			

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

Station Inventory for Station: FRSP0004

NPS Station ID: FRSP0004 LAT/LON: 38.240865/ -77.371949 Agency: 11NPSWRD Date Created: 02/13/99
Location: SNOW CREEK AT EXIT OF WETLAND AT BERGER PRESERVE FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): FRSP_GMU_BP2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

THE STATION IS LOCATED ON THE RAPPAHANNOCK ACADEMY; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT SNOW CREEK AT THE EXIT POINT OF A WETLAND AT BERGER PRESERVE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: FRSP0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		11/19/93-11/18/94	26	78.	71.846	95.	42.	260.375	16.136	45.4	57.	84.5	90.9
00136 TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	26	10.8	11.481	19.5	7.5	9.917	3.149	8.36	8.875	13.7	16.54
00403 PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	26	6.8	6.796	8.	5.9	0.224	0.474	5.97	6.575	7.1	7.33
00403 CONVERTED PH, LAB, STANDARD UNITS		11/19/93-11/18/94	26	6.8	6.553	8.	5.9	0.286	0.535	5.97	6.575	7.1	7.33
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/19/93-11/18/94	26	0.158	0.28	1.259	0.01	0.122	0.349	0.047	0.079	0.267	1.078
00665 PHOSPHORUS, TOTAL (MG/L AS P)		12/02/93-11/18/94	25	0.027	0.036	0.15	0.014	0.001	0.028	0.018	0.021	0.04	0.071
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		12/02/93-11/18/94	25	0.011	0.014	0.06	0.005	0.	0.011	0.007	0.009	0.013	0.025
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		11/19/93-11/18/94	26	0.009	0.009	0.028	0.003	0.	0.005	0.004	0.006	0.01	0.013

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

EPA Water Quality Criteria Analysis for Station: FRSP0004

			Total	Exceed	Prop.	7/01-10/14			10/15- 3/31			4/01- 6/30			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00			
	Other-Lo Lim.	6.5	26	6	0.23	8	1	0.13	12	4	0.33	6	1	0.17			

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

Station Inventory for Station: FRSP0007

NPS Station ID: FRSP0007 LAT/LON: 38.247226/ -77.394170 Agency: 1113RAWQ Date Created: / /
Location: BELVEDERE "118" R2A FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): RAPPAHAN R2A /R2A /RP2A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 1 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK & YORK RIVERS ECO Region:
RF1 Index: 02080104041 RF1 Mile Point: 25.730 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: FRSP0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	2	0.169	0.169	0.189	0.149	0.001	0.028	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-07/29/70	1	0.67	0.67	0.67	0.67	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	2	0.21	0.21	0.23	0.19	0.001	0.028	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	2	11.35	11.35	16.9	5.8	61.605	7.849	**	**	**	**
00690 CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	1	11.	11.	11.	11.	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	2	0.305	0.305	0.36	0.25	0.006	0.078	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0007

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: FRSP0006

NPS Station ID: FRSP0006 LAT/LON: 38.240698/ -77.372920 Agency: 11NPSWRD Date Created: 02/13/99
Location: UNNAMED TRIB AT WETLAND ENTRANCE AT BERGER PRSRV FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): FRSP_GMU_BP3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

THE STATION IS LOCATED ON THE RAPPAHANNOCK ACADEMY; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED TRIBUTARY OF SNOW CREEK AT THE ENTRANCE POINT OF A WETLAND AT BERGER PRESERVE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: FRSP0006

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		11/19/93-11/18/94	26	115.	104.769	137.	43.	882.665	29.71	54.	78.25	129.	135.3
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB		11/19/93-11/18/94	26	10.4	11.569	21.5	5.2	16.969	4.119	6.54	8.775	13.5	19.13
00403	PH, LAB, STANDARD UNITS	SU	11/19/93-11/18/94	26	6.8	6.712	7.8	5.9	0.239	0.489	6.07	6.275	7.	7.46
00403	CONVERTED PH, LAB, STANDARD UNITS		11/19/93-11/18/94	26	6.8	6.485	7.8	5.9	0.292	0.54	6.07	6.275	7.	7.46
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/19/93-11/18/94	26	0.158	0.327	1.259	0.016	0.106	0.326	0.035	0.1	0.534	0.856
00665	PHOSPHORUS, TOTAL (MG/L AS P)		12/02/93-11/18/94	25	0.027	0.036	0.21	0.007	0.002	0.04	0.012	0.014	0.041	0.063
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		12/02/93-11/18/94	25	0.014	0.015	0.047	0.006	0.	0.009	0.006	0.009	0.019	0.025
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		11/19/93-11/18/94	26	0.009	0.011	0.034	0.005	0.	0.006	0.005	0.007	0.013	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 time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0006

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00			
	Other-Lo Lim.	6.5	26	9	0.35	8	1	0.13	12	6	0.50	6	2	0.33			

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

Parameter Inventory for Station: FRSP0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/29/77	1	32.89	32.89	32.89	32.89	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	06/02/71-05/02/77	12##	5.	5.	10.	1.	3.818	1.954	1.9	5.	5.	8.5
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/29/77	1	41.19	41.19	41.19	41.19	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/21/73-05/02/77	5##	50.	50.	50.	50.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-05/02/77	14##	5.	16.429	40.	5.	224.725	14.991	5.	5.	32.5	40.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/29/77	1	84.89	84.89	84.89	84.89	0.	0.	**	**	**	**
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-07/11/77	13	2300.	6202.385	39000.	11.	110223753.923	10498.75	150.6	680.	7650.	27800.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/02/68-07/11/77	13	3.362	3.277	4.591	1.041	0.767	0.876	1.647	2.801	3.837	4.371
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	1893.963								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-06/13/79	54	100.	1957.778	80000.	40.	117966372.327	10861.233	50.	50.	650.	1700.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-06/13/79	54	2.	2.255	4.903	1.602	0.496	0.705	1.699	1.699	2.809	3.23
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	179.873								
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/02/71-07/02/71	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	07/20/76-07/20/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-06/13/79	58##	0.05	0.077	0.4	0.025	0.003	0.058	0.05	0.05	0.1	0.103
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-06/13/79	58	0.05	0.054	0.36	0.01	0.003	0.053	0.01	0.03	0.06	0.081
71900 MERCURY, TOTAL (UG/L AS HG)	09/03/70-05/02/77	14##	0.25	0.404	1.6	0.25	0.143	0.378	0.25	0.25	0.313	1.2
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/29/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	2	0	0.00				1	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	65	1	0.02	42	1	0.02	1	0	0.00	22	0	0.00			
00400 PH	Fresh Chronic	9.	65	0	0.00	42	0	0.00	1	0	0.00	22	0	0.00			
	Other-Lo Lim.	6.5	65	1	0.02	42	0	0.00	1	1	1.00	22	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	5	3	0.60	1	1	1.00	1	0	0.00	3	2	0.67			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	58	0	0.00	36	0	0.00				22	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	44	0	0.00	28	0	0.00				16	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	8	0	0.00				6	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	55	0	0.00	36	0	0.00				19	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	4	0	0.00				3	0	0.00			
	Drinking Water	50.	7	0	0.00	4	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1&	0	0.00	1	0	0.00									
	Drinking Water	5.	1&	0	0.00	1	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	14	0	0.00	7	0	0.00				7	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	13	1	0.08	6	0	0.00				7	1	0.14			
	Drinking Water	1300.	13	0	0.00	6	0	0.00				7	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	12	0	0.00	7	0	0.00				5	0	0.00			
	Drinking Water	15.	12	0	0.00	7	0	0.00				5	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	14	0	0.00	7	0	0.00				7	0	0.00			
	Drinking Water	5000.	14	0	0.00	7	0	0.00				7	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	13	9	0.69	7	5	0.71	1	1	1.00	5	3	0.60			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	54	22	0.41	35	13	0.37				19	9	0.47			
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	14	0	0.00	8	0	0.00				6	0	0.00			
	Drinking Water	2.	14	0	0.00	8	0	0.00				6	0	0.00			

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

Station Inventory for Station: FRSP0008

NPS Station ID: FRSP0008 LAT/LON: 38.248059/ -77.396115 Agency: 21VASWCB Date Created: / /
Location: BUOY 118 FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP105.30 /VA3-01-X0045/VA3-3X0045
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104041 RF1 Mile Point: 25.980 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0039 TOPO MAP NAME: GUINEA, VA

Parameter Inventory for Station: FRSP0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-06/13/79	65	26.1	23.772	31.1	2.1	38.779	6.227	16.72	20.3	28.3	29.64
00070 TURBIDITY, (JACKSON CANDLE UNITS)		06/02/71-07/21/71	3	25.	21.333	29.	10.	100.333	10.017	**	**	**	**
00077 TRANSPARENCY, SECCHI DISC (INCHES)		08/15/78-08/15/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-08/15/78	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-06/13/79	65	7.8	7.889	12.8	3.8	2.263	1.504	6.24	7.05	8.8	9.88
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/31/69-07/16/74	6	1.85	1.867	2.9	1.2	0.359	0.599	**	**	**	**
00400 PH (STANDARD UNITS)		07/02/68-06/13/79	65	7.1	7.154	8.7	6.4	0.176	0.42	6.7	6.8	7.35	7.58
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-06/13/79	65	7.1	7.011	8.7	6.4	0.197	0.444	6.7	6.8	7.35	7.58
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-06/13/79	65	0.079	0.098	0.398	0.002	0.005	0.071	0.027	0.045	0.158	0.2
00403 PH, LAB, STANDARD UNITS	SU	03/31/69-05/27/70	5	6.4	6.52	6.8	6.3	0.047	0.217	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		03/31/69-05/27/70	5	6.4	6.48	6.8	6.3	0.049	0.221	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/31/69-05/27/70	5	0.398	0.331	0.501	0.158	0.021	0.146	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/31/69-05/27/70	5	16.	17.2	23.	14.	14.7	3.834	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND		08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		03/31/69-09/13/71	6	117.5	134.333	269.	80.	4897.067	69.979	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		03/31/69-09/13/71	6	30.5	37.667	88.	15.	786.267	28.04	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		03/31/69-09/13/71	6	82.5	96.667	181.	61.	2105.867	45.89	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	19.5	22.167	40.	6.	210.167	14.497	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/31/69-09/13/71	5	4.	7.	21.	2.	62.5	7.906	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	15.	16.333	37.	6.	125.867	11.219	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/13/70-06/13/79	57	0.1	0.183	0.9	0.005	0.032	0.179	0.05	0.05	0.235	0.368
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/13/70-06/13/79	58	0.01	0.014	0.09	0.005	0.	0.016	0.005	0.005	0.02	0.022
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/13/70-09/23/76	44	0.405	0.476	1.299	0.07	0.074	0.272	0.155	0.293	0.678	0.865
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-06/13/79	57	0.4	0.42	1.099	0.05	0.064	0.254	0.1	0.2	0.55	0.72
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/12/76-06/13/79	14	0.265	0.487	1.8	0.09	0.236	0.485	0.095	0.138	0.675	1.4
00945 SULFATE, TOTAL (MG/L AS SO4)		06/22/70-06/13/79	55	12.	21.291	235.	5.	1057.655	32.522	6.6	9.	22.	34.2
01002 ARSENIC, TOTAL (UG/L AS AS)		06/02/71-05/02/77	7##	2.5	2.214	3.	1.	0.488	0.699	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)		06/29/77-06/29/77	1##	8.25	8.25	8.25	8.25	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		08/08/71-05/02/77	9##	5.	4.778	5.	3.	0.444	0.667	3.	5.	5.	5.
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)		06/29/77-06/29/77	1##	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)		06/29/77-06/29/77	1	20.69	20.69	20.69	20.69	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		04/13/70-05/02/77	14##	5.	6.107	20.	0.5	19.468	4.412	2.75	5.	5.	15.
01042 COPPER, TOTAL (UG/L AS CU)		04/13/70-05/02/77	13##	5.	8.077	30.	5.	48.077	6.934	5.	5.	10.	22.

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

Station Inventory for Station: FRSP0009

NPS Station ID: FRSP0009 LAT/LON: 38.231392/ -77.403338 Agency: 21VASWCB Date Created: 03/29/97
Location: MATTOX CREEK, RT. 625 FIPS State/County: 51099 VIRGINIA/KING GEORGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 1AMA0010.27
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02070011 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 1-POTOMAC-SHENANDOAH ECO Region:
RF1 Index: 02070011 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 1A POTOMAC REGION: 3 NORTHERN
RIVER: MATTOX CREEK SECTION: 01A TOPO MAP #: 0054 TOPO MAP NAME: ROLLINS FORK, VA

Parameter Inventory for Station: FRSP0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/23/96-04/23/96	1	21.9	21.9	21.9	21.9	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		04/23/96-04/23/96	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	04/23/96-04/23/96	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		04/23/96-04/23/96	1	5.57	5.57	5.57	5.57	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		04/23/96-04/23/96	1	5.57	5.57	5.57	5.57	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/96-04/23/96	1	2.692	2.692	2.692	2.692	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0009

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-06/13/79	42	27.8	25.031	31.1	2.1	41.684	6.456	17.44	22.8	28.9	30.
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-06/13/79	42	7.4	7.574	12.8	3.8	2.502	1.582	5.51	6.975	8.225	9.41
00400 PH (STANDARD UNITS)		07/02/68-06/13/79	42	7.15	7.205	8.7	6.7	0.191	0.437	6.7	6.9	7.4	7.71
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-06/13/79	42	7.147	7.063	8.7	6.7	0.212	0.46	6.7	6.9	7.4	7.71
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-06/13/79	42	0.071	0.087	0.2	0.002	0.003	0.058	0.021	0.04	0.126	0.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/13/70-06/13/79	36	0.17	0.202	0.9	0.01	0.036	0.188	0.05	0.09	0.238	0.432
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/13/70-06/13/79	36	0.01	0.013	0.05	0.005	0.	0.011	0.005	0.005	0.018	0.026
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/13/70-09/23/76	28	0.385	0.409	0.89	0.07	0.045	0.213	0.099	0.245	0.57	0.709
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-06/13/79	36	0.4	0.436	1.099	0.1	0.067	0.259	0.17	0.225	0.6	0.86
00945 SULFATE, TOTAL (MG/L AS SO4)		06/22/70-06/13/79	36	14.5	24.389	235.	5.	1441.387	37.966	7.4	10.	26.	36.6
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/19/71-06/13/79	35	100.	562.286	6000.	50.	1270635.798	1127.225	50.	50.	430.	1780.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/19/71-06/13/79	35	2.	2.206	3.778	1.699	0.416	0.645	1.699	1.699	2.633	3.25
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	160.58								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		04/13/70-06/13/79	36##	0.05	0.079	0.4	0.05	0.004	0.067	0.05	0.05	0.1	0.13
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		04/13/70-06/13/79	36	0.05	0.056	0.36	0.01	0.003	0.057	0.017	0.03	0.07	0.083

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-06/13/79	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-06/13/79	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		07/02/68-06/13/79	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-06/13/79	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-06/13/79	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-06/13/79	22	21.05	22.023	30.	12.8	20.59	4.538	16.36	18.625	26.15	28.15
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-06/13/79	22	8.4	8.405	10.	5.	1.359	1.166	7.06	7.75	9.25	10.
00400 PH (STANDARD UNITS)		07/02/68-06/13/79	22	7.	7.091	8.	6.6	0.128	0.357	6.7	6.8	7.325	7.64
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-06/13/79	22	7.	6.979	8.	6.6	0.141	0.375	6.7	6.8	7.325	7.64
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-06/13/79	22	0.1	0.105	0.251	0.01	0.004	0.067	0.023	0.048	0.158	0.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/13/70-06/13/79	21	0.08	0.149	0.65	0.005	0.025	0.159	0.042	0.05	0.25	0.38
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/13/70-06/13/79	22	0.01	0.016	0.09	0.005	0.	0.022	0.005	0.005	0.02	0.055
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/13/70-09/23/76	16	0.545	0.594	1.299	0.18	0.107	0.327	0.187	0.303	0.835	1.076
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-06/13/79	21	0.4	0.393	1.099	0.05	0.062	0.249	0.1	0.2	0.5	0.7
00945 SULFATE, TOTAL (MG/L AS SO4)		06/22/70-06/13/79	19	12.	15.421	86.	6.	314.702	17.74	6.	8.	15.	24.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/19/71-06/13/79	19	100.	4528.421	80000.	40.	334183402.924	18280.684	50.	50.	800.	1300.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/19/71-06/13/79	19	2.	2.346	4.903	1.602	0.662	0.814	1.699	1.699	2.903	3.114
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	221.684								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		04/13/70-06/13/79	22##	0.05	0.073	0.2	0.025	0.002	0.04	0.05	0.05	0.1	0.121
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		04/13/70-06/13/79	22	0.05	0.051	0.21	0.01	0.002	0.048	0.01	0.028	0.05	0.137

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

Station Inventory for Station: FRSP0010

NPS Station ID: FRSP0010 LAT/LON: 38.255282/ -77.411948 Agency: 21VASWCB Date Created: 04/19/76
Location: 100 YARDS BELOW MASSAPONOX STP FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP104.47 /VA3-01-X0076/VA3-3X0076
RMI-Indexes: 0215002 Within Park Boundary: No
RMI-Miles: 0104.47
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 0.710 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	189	20.1	18.46	32.	0.8	74.594	8.637	5.8	11.1	25.7	28.3
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/23/80-10/23/80	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)		02/21/91-10/04/93	6	8.85	9.533	16.	5.	14.543	3.813	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	58	9.2	11.895	35.	0.4	54.277	7.367	5.15	6.9	14.375	22.3
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	112	0.95	1.311	35.	0.15	10.638	3.262	0.4	0.6	1.25	1.97
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	174	86.	101.586	2000.	6.	21396.776	146.276	71.	77.	100.	129.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	97	81.	86.32	157.	63.	346.741	18.621	70.	76.	90.5	107.
00096 SALINITY AT 25 DEGREES C (MG/ML)		05/03/88-12/01/94	70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	126	8.6	9.187	15.3	5.4	5.018	2.24	6.7	7.3	11.2	12.5
00300 OXYGEN, DISSOLVED	MG/L	06/24/76-09/29/87	64	8.4	8.594	12.9	4.8	2.737	1.654	6.85	7.6	9.275	10.7
00310p BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	164	1.	1.58	6.	0.5	1.341	1.158	0.5	1.	2.	3.
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	102	8.	9.167	25.	0.5	20.323	4.508	4.	6.	13.	15.
00400p PH (STANDARD UNITS)		05/11/76-12/10/98	181	7.2	7.098	8.9	5.6	0.264	0.514	6.4	6.69	7.4	7.6
00400p CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	181	7.2	6.815	8.9	5.6	0.344	0.587	6.4	6.69	7.4	7.6
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	181	0.063	0.153	2.512	0.001	0.056	0.236	0.025	0.04	0.204	0.398
00403 PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	105	6.9	6.878	8.	3.	0.28	0.529	6.5	6.65	7.1	7.44
00403 CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	105	6.9	5.014	8.	3.	3.789	1.946	6.5	6.65	7.1	7.44
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	105	0.126	9.686	1000.	0.01	9520.704	97.574	0.037	0.079	0.225	0.316
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	105	21.	21.943	35.	12.	23.67	4.865	16.	18.	25.	30.
00480 SALINITY - PARTS PER THOUSAND		08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	44	75.5	75.182	146.	51.	318.385	17.843	53.5	60.25	83.25	95.
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	44	21.	30.136	400.	11.	3293.051	57.385	14.	16.25	25.75	30.
00510 RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	44	50.	53.364	112.	33.	235.074	15.332	36.	42.	60.75	74.5
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	171	9.	11.471	104.	0.	160.729	12.678	2.5	5.	13.	22.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	172	2.	4.218	200.	0.	232.541	15.249	1.	1.5	4.	6.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	172	6.	13.285	800.	0.	3763.718	61.349	2.	3.	10.	18.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	69	0.08	0.111	0.41	0.016	0.007	0.086	0.02	0.041	0.15	0.25
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	103	0.1	0.149	0.9	0.02	0.028	0.166	0.02	0.05	0.2	0.368
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	69	0.005	0.009	0.03	0.001	0.	0.007	0.005	0.005	0.01	0.02
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	102	0.01	0.024	0.6	0.005	0.005	0.072	0.005	0.005	0.02	0.04
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	69	0.52	0.51	1.06	0.02	0.053	0.23	0.18	0.35	0.675	0.81
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/25/79-12/10/98	84	0.455	0.461	1.2	0.005	0.052	0.227	0.16	0.27	0.627	0.735
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	159	0.4	0.448	1.6	0.05	0.066	0.258	0.2	0.3	0.6	0.8

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Parameter Inventory for Station: FRSP0010

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)	05/11/76-06/13/79	19	0.36	0.497	1.8	0.02	0.176	0.419	0.1	0.15	0.7	0.9
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	141	0.07	0.08	0.3	0.02	0.002	0.044	0.04	0.05	0.1	0.1
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	63	0.03	0.028	0.05	0.01	0.	0.012	0.01	0.02	0.03	0.05
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	112	0.02	0.03	0.18	0.005	0.001	0.027	0.01	0.01	0.04	0.057
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	140	4.	4.483	13.	0.9	4.58	2.14	2.	3.	6.	8.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	61	28.	29.164	58.	18.	38.206	6.181	23.2	26.	32.	36.
00940 CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	46	6.	6.141	14.	2.5	7.374	2.716	2.5	5.	7.	10.6
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	47	7.	10.457	152.	2.5	448.987	21.189	6.	6.	8.	12.
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/03/88-12/01/94	67	10.1	9.563	13.	1.1	5.821	2.413	6.18	8.9	11.	12.
01002 ARSENIC, TOTAL (UG/L AS AS)	05/02/77-07/07/86	7##	0.5	0.643	1.	0.5	0.06	0.244	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-07/30/97	4##	6.75	5.674	8.295	0.9	11.26	3.356	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	07/25/83-07/25/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/02/77-07/07/86	7##	0.5	2.429	5.	0.5	5.786	2.405	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	4##	0.098	0.176	0.415	0.095	0.025	0.159	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	4	21.745	18.41	25.	5.15	81.242	9.013	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/02/77-07/07/86	7##	5.	3.143	5.	0.5	5.393	2.322	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/02/77-07/07/86	7##	5.	7.857	20.	5.	32.143	5.669	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-07/30/97	4	18.895	15.593	22.8	1.78	90.33	9.504	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	10/23/79-10/23/79	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/02/77-07/07/86	7##	1.5	4.643	25.	0.5	80.81	8.989	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-07/30/97	4	17.945	21.893	49.9	1.78	407.923	20.197	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	10/23/79-10/23/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	07/25/83-07/25/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/02/77-05/02/77	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	10/23/79-07/07/86	6##	7.5	17.5	50.	5.	347.5	18.641	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	4	9.95	8.125	11.7	0.9	25.696	5.069	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/02/77-07/07/86	7##	5.	10.714	30.	5.	103.571	10.177	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-07/30/97	4	54.495	53.725	96.3	9.61	1259.744	35.493	**	**	**	**
01140 SILICON, DISSOLVED (UG/L AS SI)	08/02/88-08/16/88	2	9800.	9800.	10500.	9100.	980000.	989.949	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/25/83-07/25/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/04/76-07/11/77	3	440.	3276.667	9300.	90.	27241033.333	5219.294	**	**	**	**
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/04/76-07/11/77	3	2.643	2.855	3.968	1.954	1.048	1.024	**	**	**	**
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506		GEOMETRIC MEAN =		716.791								
31614 FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	3	33.	34.667	49.	22.	184.333	13.577	**	**	**	**
31614 LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	3	1.519	1.517	1.69	1.342	0.03	0.174	**	**	**	**
31614 GM FECAL COLIFORM,MPN,TUBE CONFIGURATION		GEOMETRIC MEAN =		32.889								
31615 FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/04/92-09/15/97	23	45.	248.261	2200.	1.	309503.02	556.33	9.	20.	120.	1244.
31615 LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/04/92-09/15/97	23	1.653	1.737	3.342	0.	0.573	0.757	0.954	1.301	2.079	3.038
31615 GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)		GEOMETRIC MEAN =		54.601								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	105	100.	476.59	8000.	2.	1176440.167	1084.638	50.	50.	400.	1280.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	105	2.	2.14	3.903	0.301	0.408	0.639	1.699	1.699	2.602	3.106
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		137.976								
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442 DICAMBA (BANVEL) WATER,DISSUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451 DICHLORPROP WATER,SUSPUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39062 CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39065 CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39068 CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39071 CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39305 O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39315 O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39327 ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	7	0.	0.007	0.05	0.	0.	0.019	**	**	**	**

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

Parameter Inventory for Station: FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/30/81-07/30/97	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/06/82-07/12/84	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39631 ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/30/81-06/23/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/76-08/27/87	27	0.1	0.122	1.	0.	0.04	0.201	0.	0.	0.2	0.3
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/11/76-06/13/79	19##	0.05	0.074	0.2	0.05	0.002	0.048	0.05	0.05	0.1	0.2
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	60	0.04	0.04	0.16	0.005	0.001	0.026	0.01	0.02	0.05	0.07
71900 MERCURY, TOTAL (UG/L AS HG)	05/02/77-07/07/86	7##	0.15	0.2	0.4	0.15	0.009	0.096	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-07/30/97	3##	0.1	0.097	0.1	0.09	0.	0.006	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	0	0.00	2	0	0.00	4	0	0.00						
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	58	0	0.00	21	0	0.00	19	0	0.00	18	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	126	0	0.00	48	0	0.00	41	0	0.00	37	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	64	0	0.00	33	0	0.00	12	0	0.00	19	0	0.00			
00400 PH	Fresh Chronic	9.	181	0	0.00	76	0	0.00	50	0	0.00	55	0	0.00			
	Other-Lo Lim.	6.5	181	32	0.18	76	12	0.16	50	9	0.18	55	11	0.20			
00403 PH, LAB	Fresh Chronic	9.	105	0	0.00	37	0	0.00	32	0	0.00	36	0	0.00			
	Other-Lo Lim.	6.5	105	15	0.14	37	1	0.03	32	8	0.25	36	6	0.17			
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	69	0	0.00	22	0	0.00	20	0	0.00	27	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	102	0	0.00	45	0	0.00	26	0	0.00	31	0	0.00			
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	69	0	0.00	22	0	0.00	20	0	0.00	27	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	84	0	0.00	34	0	0.00	27	0	0.00	23	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	11	0	0.00				8	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	46	0	0.00	18	0	0.00	17	0	0.00	11	0	0.00			
	Drinking Water	250.	46	0	0.00	18	0	0.00	17	0	0.00	11	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	47	0	0.00	18	0	0.00	17	0	0.00	12	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	50.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
	Drinking Water	4.	1	0	0.00	1	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	4&	0	0.00	4	0	0.00									
	Drinking Water	5.	4&	0	0.00	4	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	7	1	0.14	5	1	0.20	1	0	0.00	1	0	0.00			
	Drinking Water	1300.	7	0	0.00	5	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

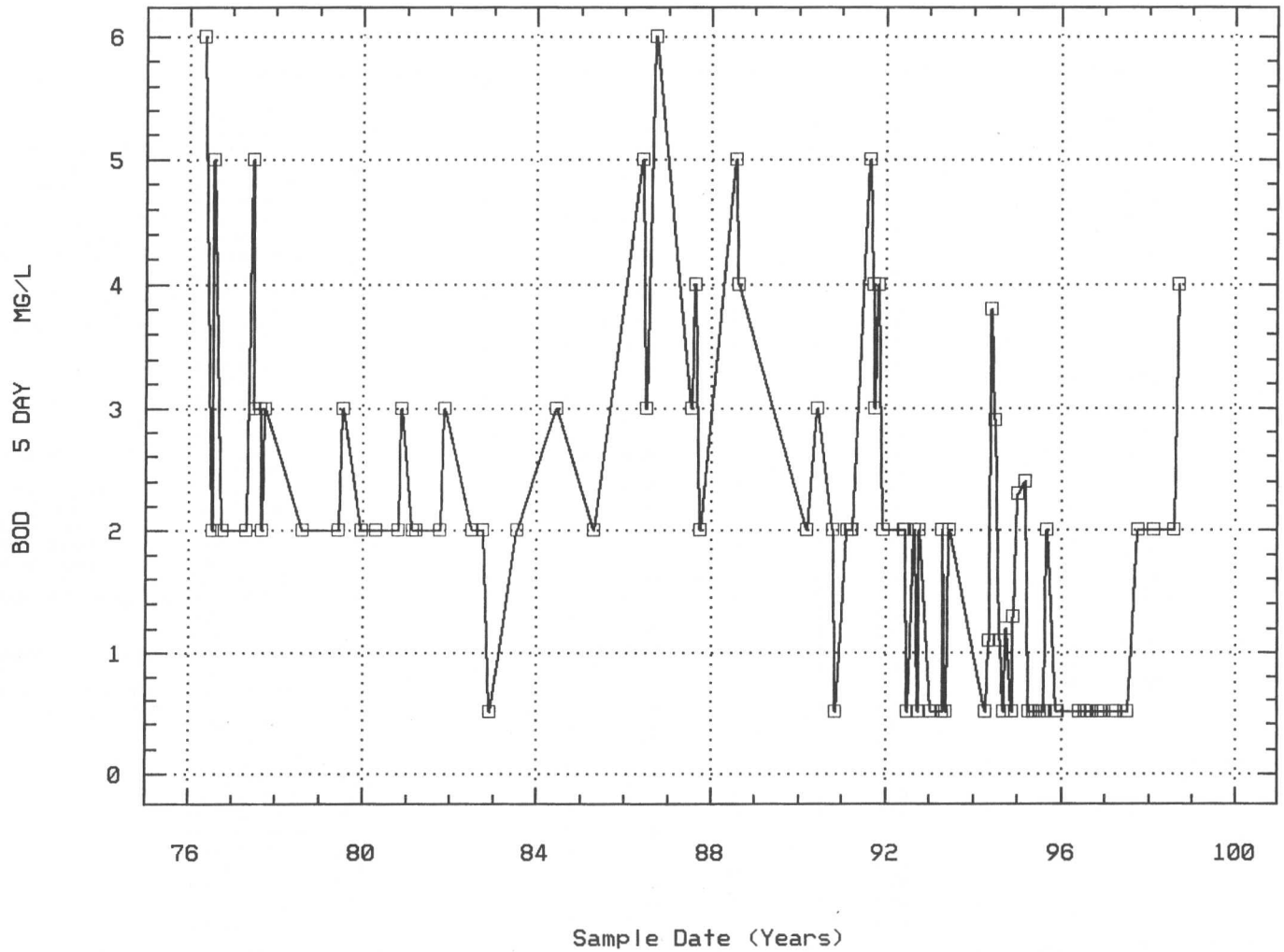
EPA Water Quality Criteria Analysis for Station: FRSP0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01051 LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	15.	7	1	0.14	5	1	0.20	1	0	0.00	1	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	5	0	0.00	1	0	0.00						
	Drinking Water	100.	6	0	0.00	5	0	0.00	1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	5000.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
	Drinking Water	50.	1	0	0.00	1	0	0.00									
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	1	0.33	2	1	0.50				1	0	0.00			
31614 FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	3	0	0.00				1	0	0.00	2	0	0.00			
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	23	4	0.17	10	3	0.30	9	1	0.11	4	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	105	39	0.37	43	14	0.33	27	10	0.37	35	15	0.43			
34356 ENDOSULFAN, BETA	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	1.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
	Drinking Water	3.	1	0	0.00	1	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
	Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00									
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	1.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	27	15	0.56	17	13	0.76	3	0	0.00	7	2	0.29			
71900 MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	7	0	0.00	5	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: FRSP0010 Parameter Code: 00310

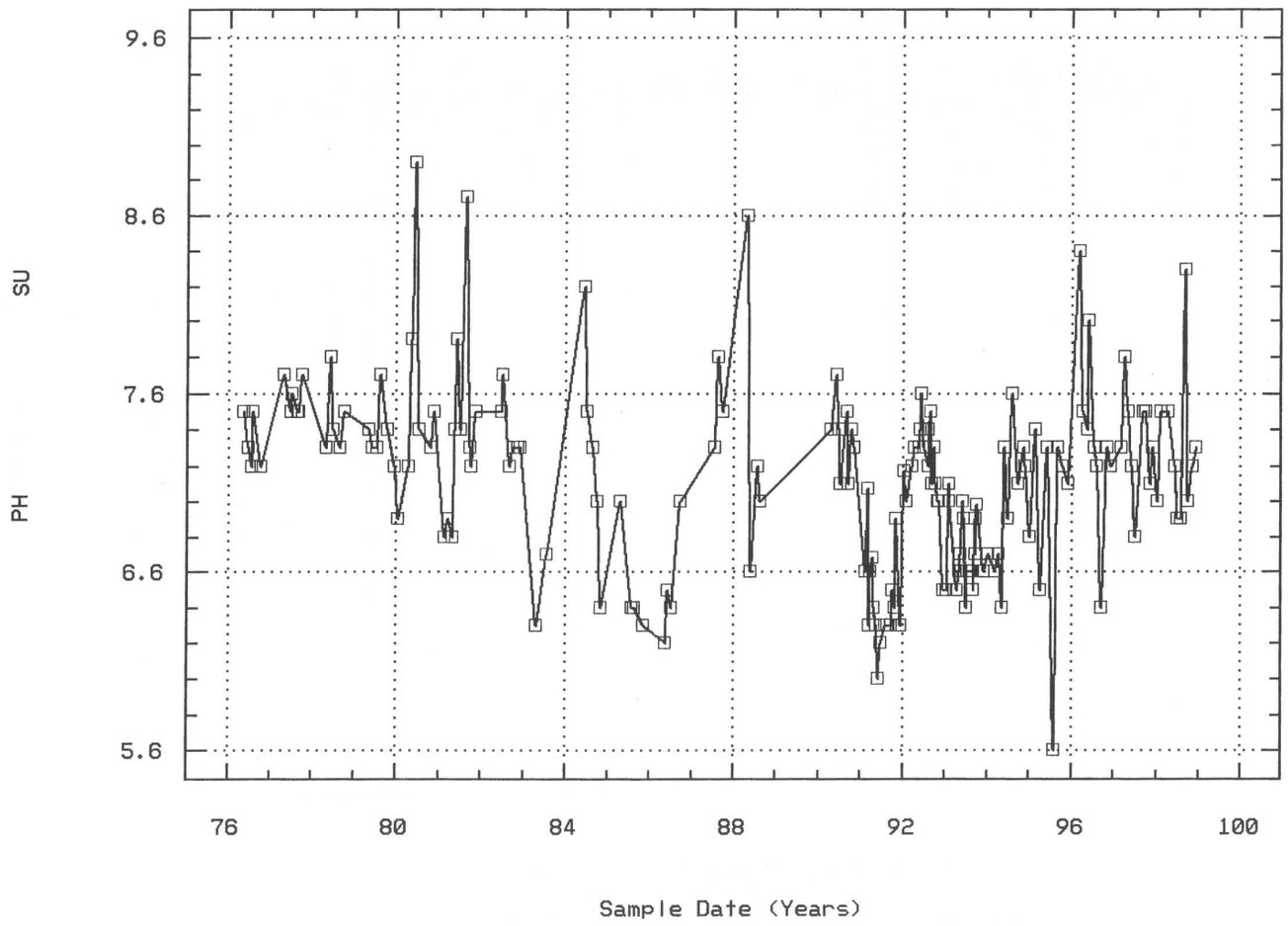
BOD, 5 DAY, 20 DEG C



100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00400

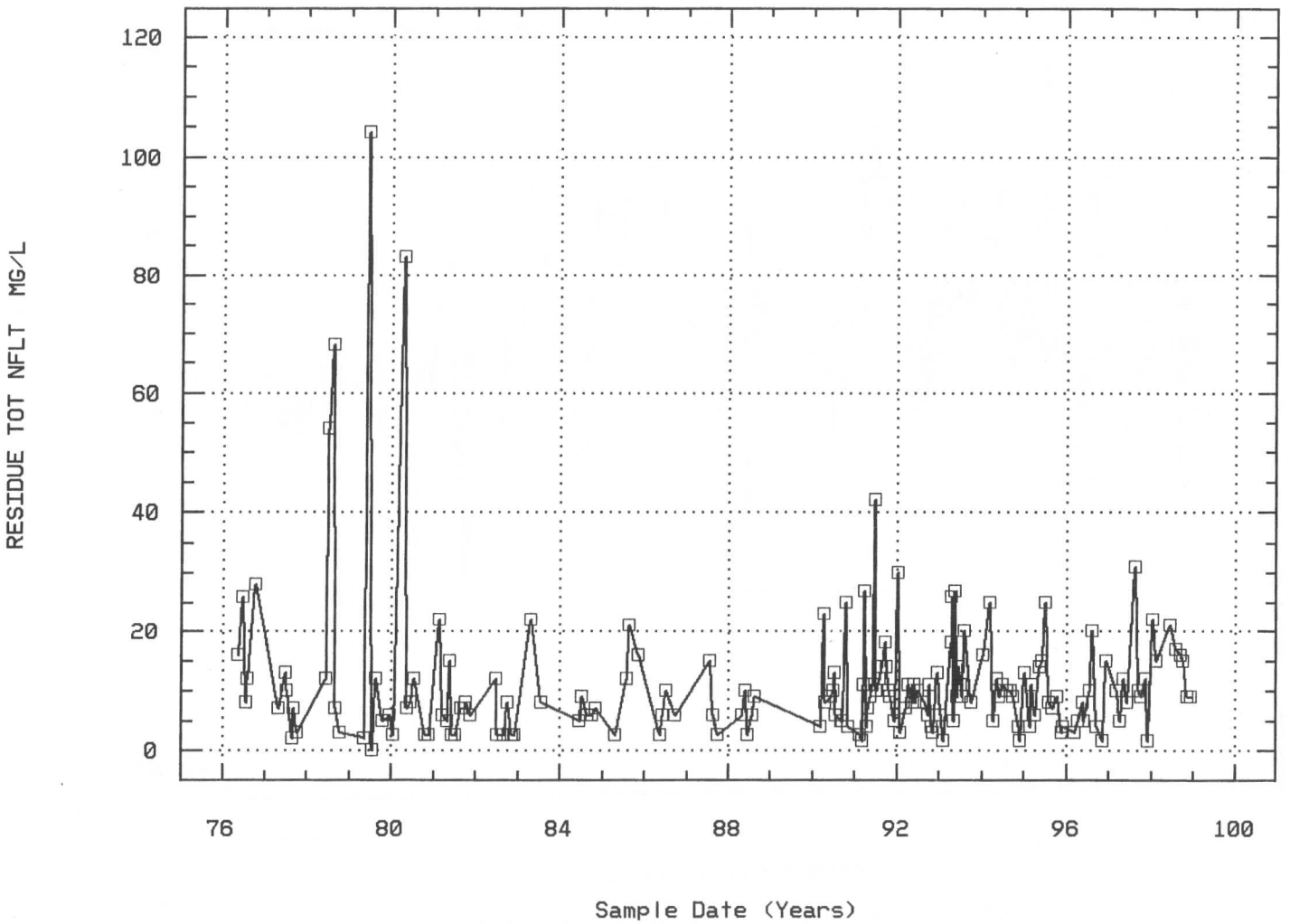
PH (STANDARD UNITS)



100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00530

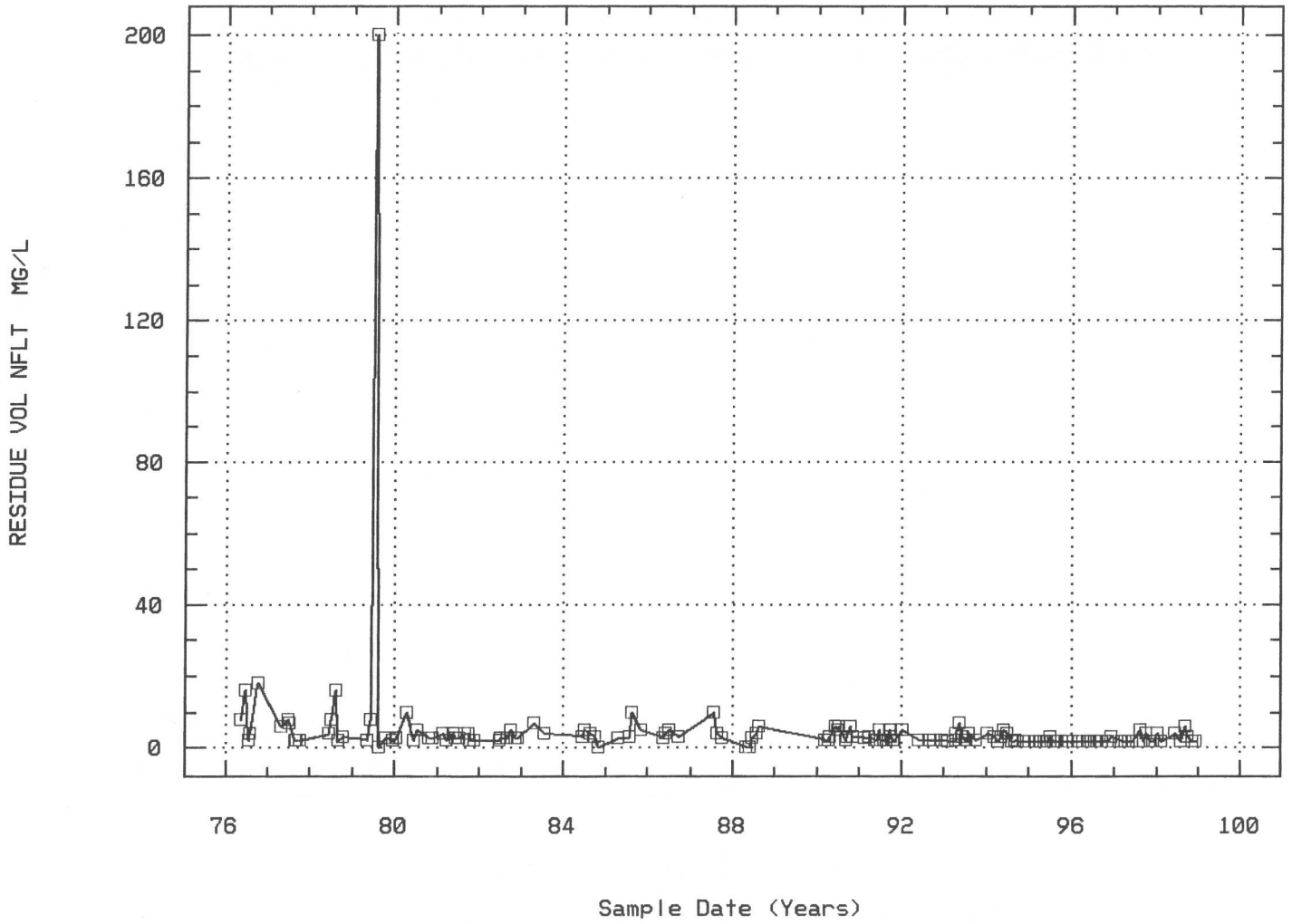
RESIDUE, TOTAL NONFILTRABLE (MG/L)



100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00535

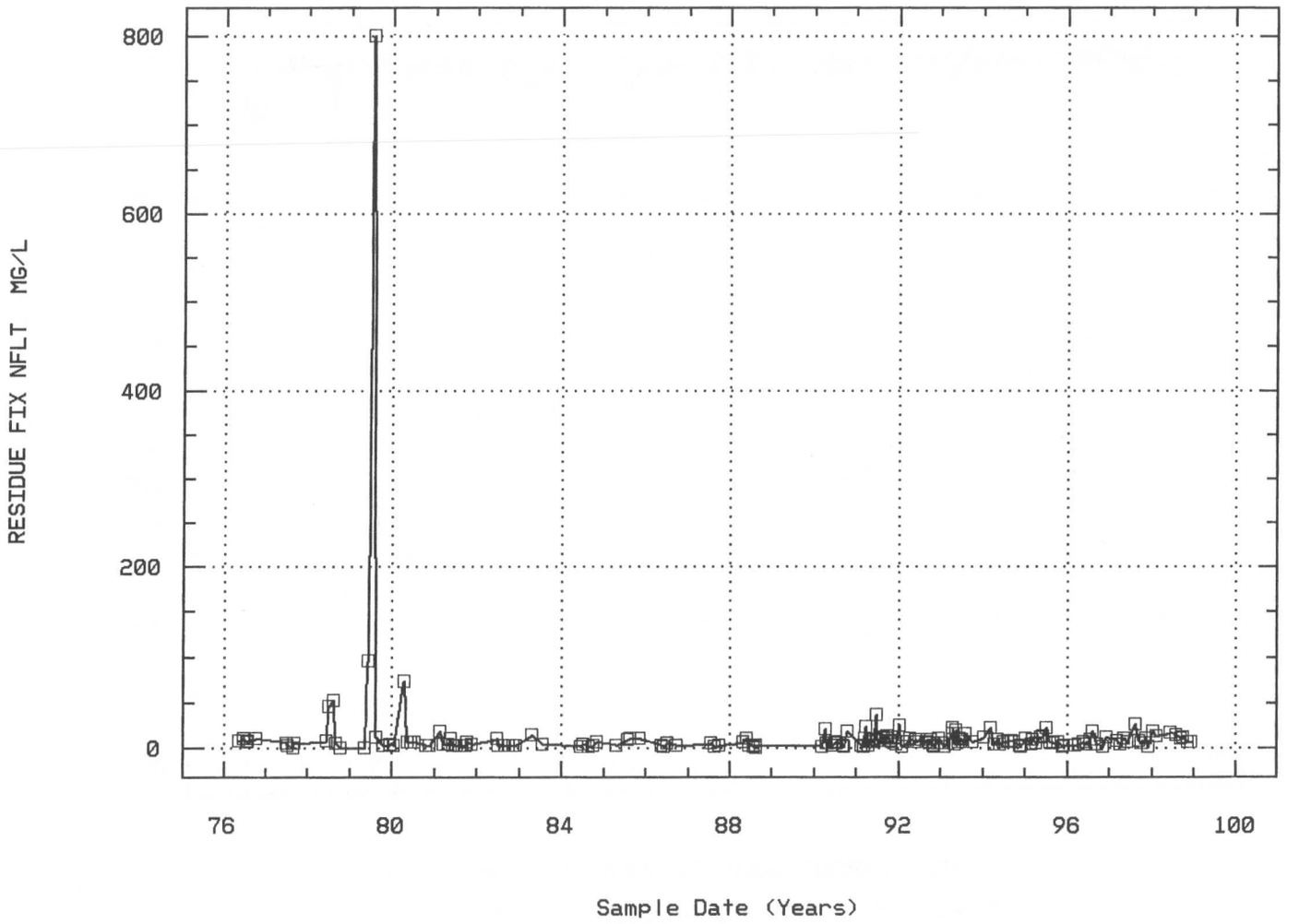
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



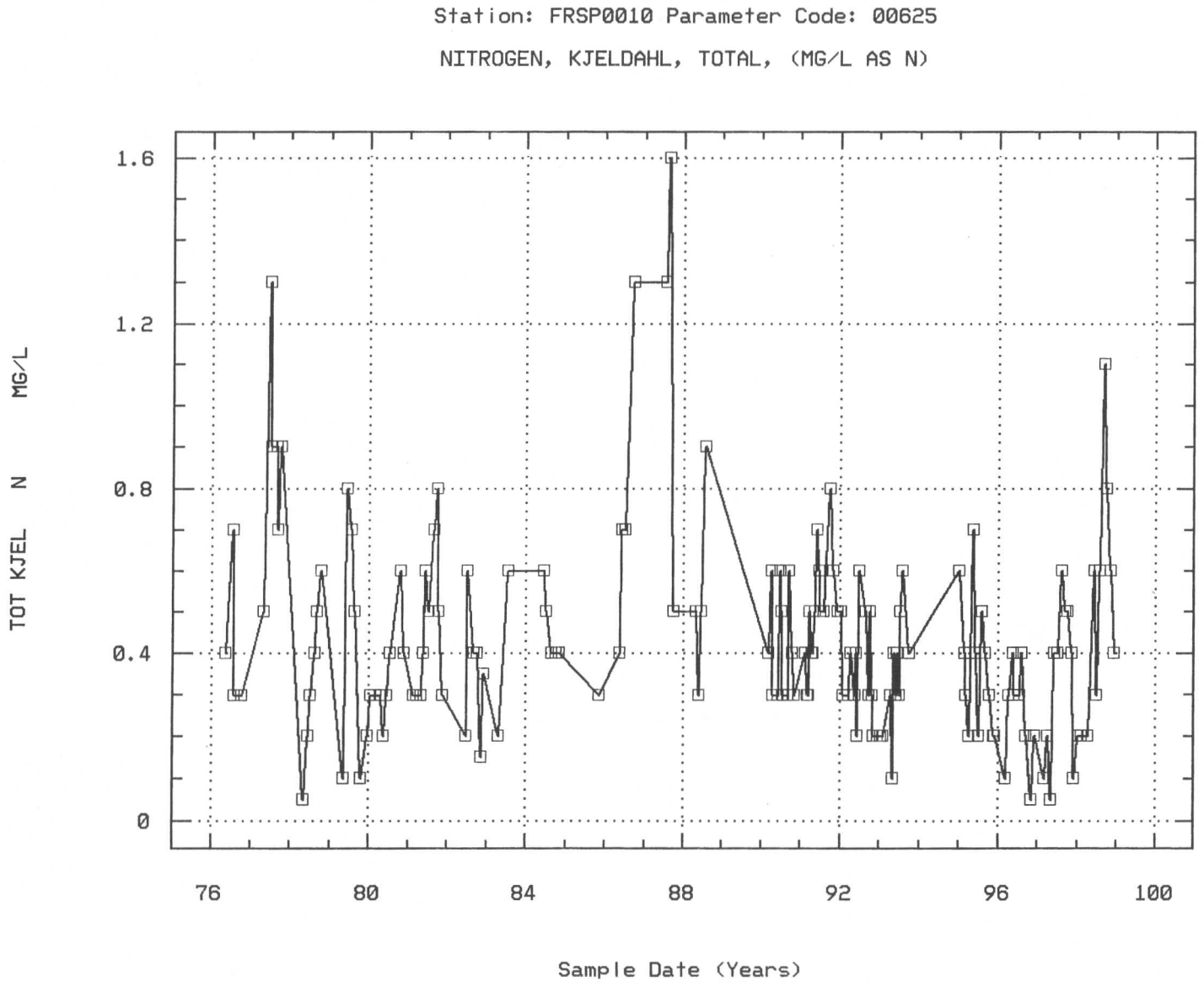
100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00540

RESIDUE, FIXED NONFILTRABLE (MG/L)



100 YARDS BELOW MASSAPONOX STP



100 YARDS BELOW MASSAPONOX STP

Annual Analysis for 1976 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	4	28.3	24.7	28.9	13.3	57.84	7.605	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	5	2.	3.2	6.	1.	4.7	2.168	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	5	7.3	7.34	7.5	7.2	0.023	0.152	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	5	7.3	7.32	7.5	7.2	0.024	0.153	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	5	0.05	0.048	0.063	0.032	0.	0.016	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	5	16.	18.	28.	8.	76.	8.718	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	5	8.	9.6	18.	2.	50.8	7.127	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	5	8.	8.4	10.	6.	2.8	1.673	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	5	0.1	0.1	0.2	0.05	0.004	0.061	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	5	0.01	0.093	0.42	0.005	0.033	0.183	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	4	0.35	0.425	0.7	0.3	0.036	0.189	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	5	6.	6.2	9.	4.	3.2	1.789	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	5	0.03	0.03	0.04	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 box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	6	11.5	14.483	30.	2.1	180.73	13.444	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	6	3.	3.	5.	2.	1.2	1.095	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	6	7.55	7.583	7.7	7.5	0.01	0.098	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	6	7.547	7.574	7.7	7.5	0.01	0.099	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	6	0.028	0.027	0.032	0.02	0.	0.006	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	6	7.	7.	13.	2.	17.2	4.147	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	6	4.	4.5	8.	2.	7.9	2.811	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	6	2.	2.5	5.	0.	4.7	2.168	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	6	0.5	0.5	0.9	0.2	0.08	0.283	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	6	0.02	0.023	0.04	0.005	0.	0.012	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	6	0.9	0.866	1.299	0.5	0.07	0.266	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	6	6.5	6.667	8.	5.	1.467	1.211	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	1	152.	152.	152.	152.	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	6	0.02	0.022	0.04	0.005	0.	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

Annual Analysis for 1978 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	6	24.25	23.417	30.	16.	30.642	5.535	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	6	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	5	7.4	7.46	7.8	7.3	0.043	0.207	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	5	7.4	7.426	7.8	7.3	0.044	0.211	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	5	0.04	0.038	0.05	0.016	0.	0.014	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	5	12.	28.8	68.	3.	898.7	29.978	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	5	4.	6.6	16.	2.	32.8	5.727	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	5	8.	22.3	52.	0.5	605.7	24.611	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	6	0.15	0.158	0.3	0.05	0.008	0.092	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	6	0.01	0.018	0.05	0.005	0.	0.017	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	6	0.35	0.342	0.6	0.05	0.04	0.201	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	6	5.	5.5	9.	2.	9.1	3.017	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	6	0.05	0.043	0.08	0.01	0.001	0.029	**	**	**	**

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Annual Analysis for 1979 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	6	22.	19.917	29.	2.5	84.242	9.178	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	4	79.	557.	2000.	70.	925478.667	962.018	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	6	1.5	1.667	3.	1.	0.667	0.816	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	4	5.5	7.5	16.	3.	35.	5.916	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	6	7.35	7.383	7.7	7.2	0.03	0.172	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	6	7.347	7.358	7.7	7.2	0.03	0.174	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	6	0.045	0.044	0.063	0.02	0.	0.015	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	3	76.	95.667	146.	65.	1930.333	43.936	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	3	30.	150.	400.	20.	46900.	216.564	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	3	56.	67.667	112.	35.	1584.333	39.804	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	6	5.5	21.5	104.	0.	1650.3	40.624	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	6	2.25	35.75	200.	0.	6481.975	80.511	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	6	8.	152.5	800.	0.5	101969.	319.326	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	6##	0.075	0.158	0.4	0.05	0.023	0.153	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	6##	0.008	0.019	0.05	0.005	0.	0.02	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/25/79-12/10/98	4	0.55	0.55	0.7	0.4	0.017	0.129	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	6	0.35	0.4	0.8	0.1	0.096	0.31	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	4##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-12/01/94	4	0.025	0.035	0.08	0.01	0.001	0.031	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	6	7.	7.167	9.	6.	1.767	1.329	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	2	0.085	0.085	0.16	0.01	0.011	0.106	**	**	**	**

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Annual Analysis for 1980 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	7	17.	15.414	28.	3.	89.071	9.438	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	7	82.	85.	107.	65.	287.667	16.961	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	7	1.	1.571	3.	1.	0.619	0.787	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	7	7.	6.214	13.	0.5	18.821	4.338	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	7	7.4	7.586	8.9	6.9	0.428	0.654	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	7	7.4	7.334	8.9	6.9	0.502	0.709	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	7	0.04	0.046	0.126	0.001	0.002	0.041	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	7	7.	16.786	83.	2.5	865.405	29.418	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	7	2.5	3.643	10.	1.	9.31	3.051	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	7	6.	14.214	73.	2.5	675.738	25.995	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	7##	0.05	0.086	0.2	0.05	0.003	0.056	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	6##	0.008	0.009	0.02	0.005	0.	0.006	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/25/79-12/10/98	7	0.45	0.5	0.8	0.17	0.045	0.212	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	7	0.3	0.357	0.6	0.2	0.016	0.127	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	7	0.1	0.114	0.3	0.05	0.007	0.085	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-12/01/94	7	0.01	0.041	0.13	0.01	0.002	0.046	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	7	7.	6.714	9.	5.	1.571	1.254	**	**	**	**

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Annual Analysis for 1981 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	10	17.45	17.51	31.	5.	78.03	8.833	5.19	8.4	25.6	30.67
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	10	96.5	94.8	125.	73.	280.178	16.739	73.5	79.5	105.	123.9
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	9	1.	1.556	3.	1.	0.528	0.726	1.	1.	2.	3.
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	10	6.5	8.8	17.	4.	21.956	4.686	4.1	5.75	14.25	16.8
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	10	7.35	7.39	8.7	6.8	0.33	0.574	6.8	6.875	7.6	8.62

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Annual Analysis for 1981 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.347	7.166	8.7	6.8	0.386	0.621	6.8	6.875	7.6	8.62
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	10	0.045	0.068	0.158	0.002	0.003	0.058	0.003	0.027	0.134	0.158
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	10	6.5	8.1	22.	2.5	36.044	6.004	2.5	4.375	9.75	21.3
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	10	2.5	2.8	4.	1.	1.233	1.111	1.1	2.	4.	4.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	10	4.	5.8	18.	2.5	24.789	4.979	2.5	2.875	7.25	17.3
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	10	0.15	0.16	0.4	0.05	0.011	0.105	0.05	0.088	0.2	0.38
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.008	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.013	0.029
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	10	0.355	0.418	1.2	0.11	0.102	0.32	0.115	0.19	0.525	1.14
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	10	0.45	0.47	0.8	0.3	0.033	0.183	0.3	0.3	0.625	0.79
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	10##	0.05	0.07	0.2	0.05	0.002	0.048	0.05	0.05	0.063	0.19
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	10	0.03	0.048	0.18	0.005	0.003	0.054	0.006	0.01	0.063	0.172
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	10	7.5	7.	13.	1.	10.	3.162	1.3	5.5	8.25	12.6

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Annual Analysis for 1982 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	15.65	16.325	25.5	8.5	67.856	8.237	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	6	84.5	86.167	97.	76.	69.367	8.329	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	1.	1.25	2.	0.5	0.375	0.612	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	6	11.	10.167	14.	4.	13.367	3.656	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	6	7.3	7.383	7.7	7.2	0.034	0.183	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	6	7.3	7.355	7.7	7.2	0.035	0.186	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	6	0.05	0.044	0.063	0.02	0.	0.016	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6##	2.5	5.	12.	2.5	16.6	4.074	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6##	2.5	2.833	5.	2.	1.167	1.08	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6##	2.5	3.833	10.	2.5	9.167	3.028	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.15	0.167	0.4	0.05	0.018	0.133	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	6	0.38	0.428	0.9	0.15	0.081	0.285	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.375	0.35	0.6	0.15	0.026	0.161	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	6	0.1	0.1	0.2	0.05	0.003	0.055	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	6	0.045	0.058	0.13	0.02	0.001	0.039	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	3.	3.167	4.	2.	0.567	0.753	**	**	**	**

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Annual Analysis for 1983 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	2	21.25	21.25	28.	14.5	91.125	9.546	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	2	0.725	0.725	1.05	0.4	0.211	0.46	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	2	63.5	63.5	67.	60.	24.5	4.95	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	2	7.	7.	9.	5.	8.	2.828	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	2	6.5	6.5	6.7	6.3	0.08	0.283	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	2	6.455	6.455	6.7	6.3	0.084	0.29	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	2	0.35	0.35	0.501	0.2	0.045	0.213	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	15.	15.	22.	8.	98.	9.899	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	9.5	9.5	15.	4.	60.5	7.778	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	2	0.35	0.35	0.6	0.1	0.125	0.354	**	**	**	**

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Annual Analysis for 1983 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	2##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	2	0.4	0.4	0.6	0.2	0.08	0.283	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	2##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**

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Annual Analysis for 1984 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	5	25.	23.5	32.	12.5	61.5	7.842	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	5	80.	78.	85.	60.	107.5	10.368	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	5	1.	1.4	3.	1.	0.8	0.894	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	5	8.	9.2	15.	6.	11.7	3.421	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	5	7.3	7.28	8.2	6.4	0.437	0.661	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	5	7.3	6.931	8.2	6.4	0.589	0.768	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	5	0.05	0.117	0.398	0.006	0.026	0.161	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	6.	6.6	9.	5.	2.3	1.517	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	3.	3.	5.	0.	3.5	1.871	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	3.	3.6	7.	2.	4.3	2.074	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	5	0.1	0.14	0.2	0.1	0.003	0.055	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	5##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	5	0.43	0.446	0.74	0.27	0.032	0.18	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	5	0.4	0.46	0.6	0.4	0.008	0.089	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	5	0.1	0.1	0.2	0.05	0.004	0.061	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	5	0.05	0.056	0.1	0.02	0.001	0.029	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	5	5.	4.8	7.	3.	3.2	1.789	**	**	**	**

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Annual Analysis for 1985 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	24.	21.9	25.6	14.	28.307	5.32	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	2	0.875	0.875	1.25	0.5	0.281	0.53	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	4	73.5	79.75	105.	67.	296.917	17.231	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	4	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	4	11.	12.	20.	6.	40.	6.325	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	4	6.4	6.525	7.	6.3	0.103	0.32	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	4	6.4	6.457	7.	6.3	0.109	0.33	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	4	0.398	0.349	0.501	0.1	0.03	0.173	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	14.	12.875	21.	2.5	61.396	7.836	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	4.	5.125	10.	2.5	11.729	3.425	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	10.	8.375	11.	2.5	16.229	4.029	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	2	0.385	0.385	0.64	0.13	0.13	0.361	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	4	4.5	4.75	8.	2.	6.25	2.5	**	**	**	**

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Annual Analysis for 1986 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	25.5	25.	28.5	20.5	11.167	3.342	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	4	83.	91.	124.	74.	544.667	23.338	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	4	4.	3.75	6.	1.	4.917	2.217	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	4	8.	8.	12.	4.	13.333	3.651	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	4	6.45	6.525	7.	6.2	0.116	0.34	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	4	6.447	6.442	7.	6.2	0.125	0.354	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	4	0.357	0.361	0.631	0.1	0.048	0.219	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	4	7.05	7.175	7.9	6.7	0.263	0.512	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	4	7.047	7.009	7.9	6.7	0.299	0.547	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	4	0.09	0.098	0.2	0.013	0.006	0.077	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	4	27.5	27.25	31.	23.	10.917	3.304	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	6.	6.125	10.	2.5	9.396	3.065	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	3.5	3.625	5.	2.5	1.229	1.109	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	2.75	3.125	5.	2.	1.729	1.315	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	4	0.2	0.275	0.5	0.2	0.023	0.15	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	4	0.015	0.016	0.03	0.005	0.	0.011	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	4	0.21	0.208	0.32	0.09	0.009	0.097	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	4	0.7	0.775	1.3	0.4	0.143	0.377	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	4	0.15	0.15	0.2	0.1	0.003	0.058	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	4	0.045	0.043	0.06	0.02	0.	0.017	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	4	5.	4.75	6.	3.	1.583	1.258	**	**	**	**

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

Annual Analysis for 1987 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	29.1	27.75	31.2	21.6	20.73	4.553	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	3	110.	117.333	152.	90.	1001.333	31.644	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	3	3.	3.	4.	2.	1.	1.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	3	9.	12.333	25.	3.	129.333	11.372	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	4	7.4	7.475	7.8	7.3	0.056	0.236	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	4	7.389	7.433	7.8	7.3	0.058	0.241	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	4	0.041	0.037	0.05	0.016	0.	0.017	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	3	7.1	7.167	7.4	7.	0.043	0.208	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	3	7.1	7.136	7.4	7.	0.045	0.211	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	3	0.079	0.073	0.1	0.04	0.001	0.031	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	3	29.	28.	30.	25.	7.	2.646	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	3	6.	7.833	15.	2.5	41.583	6.449	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	3	4.	5.5	10.	2.5	15.75	3.969	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	3	2.5	3.167	5.	2.	2.583	1.607	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	3	0.6	0.533	0.8	0.2	0.093	0.306	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	3	0.02	0.033	0.07	0.01	0.001	0.032	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	3	0.34	0.427	0.69	0.25	0.054	0.232	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	3	1.3	1.133	1.6	0.5	0.323	0.569	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	3	0.03	0.027	0.04	0.01	0.	0.015	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	2	29.	29.	30.	28.	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 1988 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	7	24.5	24.843	30.7	17.	30.82	5.552	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	5	0.6	0.74	1.1	0.5	0.083	0.288	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	6	65.	67.167	103.	6.	1271.367	35.656	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	6	7.25	6.95	7.6	6.1	0.403	0.635	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	4	7.1	7.35	8.6	6.6	0.757	0.87	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	4	7.089	6.982	8.6	6.6	0.937	0.968	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	4	0.082	0.104	0.251	0.003	0.011	0.106	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	5	6.	6.7	10.	2.5	8.7	2.95	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	6	3.25	3.083	6.	0.	7.442	2.728	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	6	2.75	3.922	10.	0.03	12.595	3.549	**	**	**	**
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	5	0.2	0.23	0.41	0.14	0.011	0.104	**	**	**	**
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	5	0.03	0.028	0.03	0.02	0.	0.004	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	5	0.2	0.292	0.72	0.02	0.087	0.295	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	5	0.5	0.64	1.	0.3	0.088	0.297	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	5	0.07	0.07	0.1	0.04	0.001	0.025	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		05/03/88-12/01/94	5	0.03	0.026	0.03	0.02	0.	0.005	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-12/01/94	5	0.02	0.022	0.03	0.01	0.	0.008	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		05/03/88-12/01/94	3	6.6	7.2	12.	3.	20.52	4.53	**	**	**	**

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

Annual Analysis for 1990 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	8	22.15	21.238	28.	13.4	34.043	5.835	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	10	0.825	0.765	1.5	0.25	0.157	0.397	0.25	0.363	1.	1.45
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	10	89.	87.	92.	80.	23.111	4.807	80.	80.75	91.	91.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	11	80.	80.909	107.	70.	85.491	9.246	71.	78.	81.	101.8
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	8	7.65	7.913	10.	6.5	1.807	1.344	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	11	1.	1.318	3.	0.5	0.514	0.717	0.6	1.	2.	2.8
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	10	7.	8.2	15.	4.	12.4	3.521	4.1	5.75	11.25	14.7
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	8	7.4	7.363	7.7	7.1	0.04	0.2	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	8	7.4	7.323	7.7	7.1	0.042	0.204	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	8	0.04	0.047	0.079	0.02	0.	0.021	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	11	6.7	6.755	7.4	6.3	0.081	0.284	6.34	6.6	6.9	7.32
00403 CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	11	6.7	6.681	7.4	6.3	0.087	0.294	6.34	6.6	6.9	7.32
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	11	0.2	0.208	0.501	0.04	0.015	0.122	0.052	0.126	0.251	0.464
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	11	22.	20.727	23.	16.	4.218	2.054	16.6	19.	22.	22.8
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	11	8.	10.182	25.	4.	54.564	7.387	4.	5.	13.	24.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	11	3.	3.545	6.	1.	3.473	1.864	1.2	2.	6.	6.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	11	5.	6.636	21.	1.	46.855	6.845	1.2	2.	7.	20.6
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	11	0.13	0.152	0.28	0.05	0.005	0.07	0.058	0.11	0.2	0.274
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	11	0.01	0.01	0.02	0.005	0.	0.006	0.005	0.005	0.01	0.02
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	11	0.53	0.533	0.77	0.23	0.026	0.16	0.256	0.47	0.66	0.768
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	11	0.4	0.418	0.6	0.3	0.018	0.133	0.3	0.3	0.6	0.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	11	0.05	0.057	0.11	0.02	0.001	0.027	0.022	0.04	0.07	0.108
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		05/03/88-12/01/94	11	0.03	0.028	0.05	0.01	0.	0.011	0.012	0.02	0.03	0.048
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-12/01/94	11	0.02	0.023	0.04	0.01	0.	0.008	0.012	0.02	0.03	0.038
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	11	2.9	2.755	4.4	0.9	0.991	0.995	1.06	2.	3.4	4.3
00955 SILICA, DISSOLVED (MG/L AS SI02)		05/03/88-12/01/94	11	10.1	10.064	13.	4.6	5.895	2.428	5.28	9.	12.	13.

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

Annual Analysis for 1991 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	18	13.85	16.311	28.	6.4	59.71	7.727	6.49	9.95	24.35	27.46
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	17	0.75	0.835	2.	0.15	0.284	0.533	0.23	0.5	1.25	1.92
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	18	88.5	100.778	154.	76.	696.771	26.396	76.	82.	115.5	149.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	15	79.	87.533	139.	69.	494.41	22.235	70.8	73.	93.	138.4
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	18	7.85	8.694	12.5	5.8	5.13	2.265	6.61	6.775	11.075	12.5
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	14	2.	2.143	5.	1.	1.824	1.351	1.	1.	3.25	4.5
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	10	13.	12.3	17.	6.	15.344	3.917	6.2	8.	16.	16.9
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	16	6.35	6.447	7.07	6.	0.073	0.27	6.14	6.3	6.6	6.951
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	16	6.347	6.38	7.07	6.	0.078	0.279	6.14	6.3	6.6	6.951
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	16	0.45	0.417	1.	0.085	0.049	0.221	0.114	0.251	0.501	0.742
00403 PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	12	6.85	6.925	7.4	6.7	0.062	0.249	6.7	6.7	7.175	7.34
00403 CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	12	6.847	6.868	7.4	6.7	0.066	0.256	6.7	6.7	7.175	7.34
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	12	0.142	0.136	0.2	0.04	0.004	0.064	0.047	0.067	0.2	0.2
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	12	20.	21.	33.	16.	26.909	5.187	16.3	17.	22.5	31.8
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	17	10.	12.176	42.	1.5	95.936	9.795	2.3	6.	14.	30.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	17	2.	2.206	5.	1.	1.533	1.238	1.	1.	2.75	5.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	17	8.	10.206	37.	2.	74.158	8.612	2.4	5.	11.5	26.6
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	16	0.135	0.158	0.33	0.02	0.01	0.099	0.034	0.078	0.263	0.309
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	16##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.013
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	16	0.52	0.568	1.06	0.22	0.05	0.223	0.29	0.39	0.725	0.927
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	16	0.5	0.563	1.	0.3	0.047	0.216	0.3	0.4	0.675	1.
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	16	0.09	0.084	0.2	0.03	0.002	0.042	0.037	0.043	0.1	0.151
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		05/03/88-12/01/94	16	0.03	0.029	0.05	0.01	0.	0.011	0.017	0.02	0.038	0.05
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-12/01/94	16	0.02	0.024	0.04	0.005	0.	0.012	0.005	0.013	0.038	0.04
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	15	3.5	3.58	6.5	1.7	1.639	1.28	1.94	2.7	4.3	5.66
00955 SILICA, DISSOLVED (MG/L AS SI02)		05/03/88-12/01/94	16	10.15	8.55	12.	1.1	8.736	2.956	3.97	6.55	10.8	11.3

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Annual Analysis for 1992 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	20	16.1	15.945	27.4	2.9	75.125	8.667	5.1	6.525	24.4	26.97
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	14	1.	1.107	2.5	0.3	0.408	0.639	0.35	0.75	1.388	2.35
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	20	81.5	82.4	100.	67.	100.884	10.044	67.5	74.25	93.25	96.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	10	82.	82.2	97.	68.	82.178	9.065	68.2	75.25	89.75	96.5
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	20	9.25	9.535	12.7	6.9	4.04	2.01	6.95	7.825	11.675	12.49
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	13	1.	1.231	2.	0.5	0.317	0.563	0.5	1.	2.	2.
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	2	11.5	11.5	14.	9.	12.5	3.536	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	19	7.2	7.156	7.6	6.5	0.081	0.285	6.5	7.	7.3	7.5
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	19	7.2	7.048	7.6	6.5	0.094	0.306	6.5	7.	7.3	7.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	19	0.063	0.09	0.316	0.025	0.007	0.083	0.032	0.05	0.1	0.316
00403 PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	13	7.1	7.185	7.7	6.7	0.116	0.341	6.74	6.85	7.5	7.62
00403 CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	13	7.1	7.069	7.7	6.7	0.131	0.362	6.74	6.85	7.5	7.62
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	13	0.079	0.085	0.2	0.02	0.004	0.06	0.025	0.032	0.142	0.183
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	13	21.	20.692	27.	15.	13.231	3.637	15.4	18.	22.5	27.
00500 RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	14	8.	9.5	30.	3.	44.577	6.677	3.	5.5	11.	21.5
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	14	1.	1.571	5.	1.	1.187	1.089	1.	1.	2.	3.5
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	14	7.	7.929	25.	2.	32.379	5.69	2.	4.5	9.25	18.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	14	0.065	0.061	0.09	0.02	0.	0.022	0.03	0.04	0.08	0.09
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	14##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	14	0.57	0.561	0.93	0.14	0.067	0.258	0.145	0.43	0.785	0.895
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	14	0.3	0.357	0.6	0.2	0.016	0.128	0.2	0.275	0.5	0.55
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	14	0.05	0.063	0.12	0.03	0.001	0.027	0.035	0.048	0.085	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

Annual Analysis for 1992 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	14	0.025	0.029	0.05	0.01	0.	0.013	0.015	0.02	0.043	0.05
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	14	0.02	0.02	0.04	0.01	0.	0.011	0.01	0.01	0.03	0.04
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	13	3.5	3.623	6.6	1.4	2.13	1.46	1.64	2.55	4.65	6.16
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	10	31.	32.4	42.	26.	22.044	4.695	26.2	29.5	36.	41.4
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	14	10.2	9.943	12.4	4.	4.061	2.015	6.45	9.225	11.175	12.2

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Annual Analysis for 1993 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	24	22.25	19.321	29.2	2.7	84.188	9.175	3.6	12.05	27.525	28.85
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	7	13.8	15.071	22.	9.	33.596	5.796	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	12	0.9	1.	2.5	0.3	0.34	0.583	0.36	0.6	1.25	2.2
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	24	95.5	100.083	135.	66.	613.297	24.765	73.5	77.	131.5	133.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	8	75.	75.75	95.	64.	97.929	9.896	**	**	**	**
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	24	8.45	8.692	13.3	5.7	4.979	2.231	6.05	6.725	10.9	12.2
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	11	1.	1.045	2.	0.5	0.273	0.522	0.5	0.5	1.	2.
00340 COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	24	6.6	6.674	7.1	6.4	0.039	0.197	6.5	6.5	6.85	7.
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	24	6.6	6.637	7.1	6.4	0.04	0.201	6.5	6.5	6.85	7.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	24	0.251	0.231	0.398	0.079	0.008	0.087	0.1	0.144	0.316	0.316
00403 PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	11	7.	7.136	8.	6.6	0.223	0.472	6.62	6.7	7.4	7.98
00403 CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	11	7.	6.963	8.	6.6	0.256	0.506	6.62	6.7	7.4	7.98
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	11	0.1	0.109	0.251	0.01	0.007	0.082	0.011	0.04	0.2	0.241
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	11	19.	19.909	26.	14.	16.091	4.011	14.2	17.	24.	25.8
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	10.	12.875	27.	1.5	67.824	8.236	2.55	6.5	19.5	26.7
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	2.	2.708	7.	1.	2.839	1.685	1.	1.625	3.75	6.1
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	8.	10.292	22.	1.5	44.657	6.683	2.25	5.25	16.	21.4
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	12	0.06	0.075	0.17	0.02	0.003	0.053	0.02	0.025	0.12	0.164
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	12##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	12	0.43	0.478	0.84	0.21	0.043	0.207	0.222	0.32	0.64	0.822
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	12	0.3	0.333	0.6	0.1	0.019	0.137	0.13	0.225	0.4	0.57
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	12	0.06	0.059	0.1	0.03	0.001	0.024	0.03	0.033	0.08	0.097
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	12	0.02	0.023	0.05	0.01	0.	0.013	0.01	0.01	0.03	0.047
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	12	0.015	0.018	0.05	0.005	0.	0.013	0.005	0.01	0.028	0.044
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	12	3.1	3.483	6.3	2.5	1.316	1.147	2.5	2.625	4.225	5.82
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	11	34.	31.273	38.	26.	23.418	4.839	26.	26.	36.	37.6
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	12	9.9	9.75	12.2	6.6	1.995	1.413	7.05	9.125	10.6	11.72

** - 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 1994 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	11	15.8	16.427	29.9	0.8	86.31	9.29	2.02	8.2	25.3	29.04
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	7.35	8.26	20.	3.	26.192	5.118	3.01	3.625	11.325	19.14
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	8	1.	1.203	2.	0.52	0.319	0.565	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	12	97.	94.667	111.	71.	163.879	12.802	72.8	82.75	102.5	111.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	88.	84.9	103.	63.	171.878	13.11	63.7	70.	95.25	102.3
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	11	9.1	10.082	15.3	8.2	4.502	2.122	8.26	8.7	11.7	14.58
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10	1.1	1.39	3.8	0.5	1.203	1.097	0.5	0.5	1.7	3.71
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.	6.98	7.6	6.4	0.144	0.379	6.42	6.675	7.3	7.57
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	10	6.989	6.841	7.6	6.4	0.165	0.407	6.42	6.675	7.3	7.57
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	10	0.103	0.144	0.398	0.025	0.014	0.118	0.028	0.05	0.212	0.383

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0010

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	10	6.6	6.63	6.9	6.4	0.027	0.164	6.41	6.5	6.8	6.89
00403	CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	10	6.6	6.604	6.9	6.4	0.028	0.166	6.41	6.5	6.8	6.89
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	10	0.251	0.249	0.398	0.126	0.008	0.088	0.129	0.158	0.316	0.39
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	10	25.	22.8	30.	12.	29.956	5.473	12.4	18.25	26.	29.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	11	10.	10.227	25.	1.5	40.068	6.33	2.	5.	12.	23.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	11	2.	2.591	5.	1.5	1.641	1.281	1.5	1.5	4.	4.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	11	7.	7.773	22.	1.5	31.368	5.601	1.8	4.	9.	20.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	11	0.041	0.05	0.09	0.016	0.001	0.024	0.016	0.04	0.071	0.088
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	11	0.008	0.008	0.017	0.001	0.	0.005	0.001	0.004	0.01	0.016
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	11	0.48	0.47	0.94	0.17	0.055	0.234	0.172	0.26	0.58	0.898
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		05/03/88-12/01/94	5	0.03	0.034	0.05	0.02	0.	0.011	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-12/01/94	11	0.027	0.023	0.04	0.007	0.	0.012	0.007	0.009	0.031	0.039
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	5	3.4	3.36	5.3	1.8	2.023	1.422	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)		08/27/87-12/10/98	4	22.5	22.75	26.	20.	6.25	2.5	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	5	7.	7.	8.	6.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	5	6.	6.4	7.	6.	0.3	0.548	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)		05/03/88-12/01/94	11	11.	10.491	12.5	7.	3.055	1.748	7.28	9.1	11.9	12.4

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

Annual Analysis for 1995 - Station FRSP0010

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	11	11.6	14.664	25.9	2.1	91.333	9.557	2.64	5.8	25.1	25.74
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	12	8.55	13.1	35.	5.7	88.864	9.427	5.76	7.225	15.125	33.2
00078	TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	12	0.95	1.042	2.	0.3	0.299	0.547	0.33	0.725	1.6	1.94
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	11	88.	93.455	112.	82.	125.473	11.201	82.2	85.	102.	111.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	12	86.	91.917	109.	80.	115.902	10.766	80.3	84.	104.	108.1
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	11	10.5	10.182	13.6	7.1	6.034	2.456	7.14	7.9	12.2	13.44
00310	BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	12##	0.5	1.017	2.4	0.5	0.582	0.763	0.5	0.5	1.75	2.37
00340	COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	12	10.	10.208	17.	2.5	18.703	4.325	3.25	7.25	13.75	16.4
00400	PH (STANDARD UNITS)		05/11/76-12/10/98	8	7.15	6.9	7.4	5.6	0.366	0.605	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	8	7.147	6.389	7.4	5.6	0.665	0.815	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	8	0.071	0.409	2.512	0.04	0.731	0.855	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	12	6.85	6.792	7.2	6.3	0.074	0.271	6.33	6.6	6.975	7.17
00403	CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	12	6.847	6.71	7.2	6.3	0.081	0.284	6.33	6.6	6.975	7.17
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	12	0.142	0.195	0.501	0.063	0.018	0.134	0.068	0.106	0.251	0.47
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	12	21.5	21.833	31.	17.	13.788	3.713	17.	20.	23.	29.2
00500	RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	12	75.5	75.417	102.	53.	148.083	12.169	55.7	67.5	80.75	96.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	12	20.	21.417	33.	14.	32.265	5.68	14.3	16.75	24.75	31.8
00510	RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	12	56.	54.	78.	34.	153.636	12.395	36.4	42.25	60.75	74.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	12	8.5	9.917	25.	3.	38.811	6.23	3.3	4.5	13.75	22.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	12##	1.5	1.625	3.	1.5	0.188	0.433	1.5	1.5	1.5	2.55
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	12	7.	8.292	22.	1.5	31.748	5.635	1.95	4.25	11.75	19.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	12	0.065	0.077	0.21	0.02	0.003	0.056	0.02	0.025	0.105	0.189
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	12	0.01	0.012	0.05	0.005	0.	0.013	0.005	0.005	0.01	0.041
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		07/25/79-12/10/98	12	0.57	0.516	0.72	0.08	0.036	0.19	0.131	0.423	0.66	0.702
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	12	0.35	0.367	0.7	0.2	0.028	0.167	0.2	0.2	0.475	0.67
00665	PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	12##	0.075	0.075	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	12	4.75	4.608	6.	3.2	0.983	0.991	3.26	3.525	5.5	5.97
00900	HARDNESS, TOTAL (MG/L AS CACO3)		08/27/87-12/10/98	12	28.	27.917	32.	24.	6.629	2.575	24.3	26.	30.5	31.7
00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	12	6.	6.333	10.	5.	2.424	1.557	5.	5.	7.	9.4
00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	12	7.	7.5	10.	6.	1.545	1.243	6.	7.	8.75	9.7
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	12	0.04	0.041	0.07	0.02	0.	0.016	0.023	0.03	0.048	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

Annual Analysis for 1996 - Station FRSP0010

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	9	19.1	16.611	26.6	4.3	86.796	9.316	4.3	6.85	25.6	26.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	9	7.2	9.867	27.	0.4	58.778	7.667	0.4	5.35	13.7	27.
00078	TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	8	1.2	1.338	2.5	0.5	0.637	0.798	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	9	85.	83.333	87.	77.	12.	3.464	77.	80.5	86.	87.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	9	80.	80.556	87.	76.	12.778	3.575	76.	77.5	83.5	87.
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	9	9.1	10.344	14.5	7.3	7.45	2.73	7.3	7.9	12.9	14.5
00310	BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	9##	0.5	0.667	1.	0.5	0.063	0.25	0.5	0.5	1.	1.
00340	COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	9	7.	6.944	10.	2.5	5.278	2.297	2.5	6.	9.	10.
00400	PH (STANDARD UNITS)		05/11/76-12/10/98	9	7.3	7.411	8.4	6.4	0.309	0.556	6.4	7.2	7.75	8.4
00400	CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	9	7.3	7.103	8.4	6.4	0.415	0.645	6.4	7.2	7.75	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	9	0.05	0.079	0.398	0.004	0.015	0.122	0.004	0.021	0.063	0.398
00403	PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	9	7.1	7.189	7.6	6.9	0.059	0.242	6.9	7.	7.4	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	9	7.1	7.135	7.6	6.9	0.062	0.249	6.9	7.	7.4	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	9	0.079	0.073	0.126	0.025	0.001	0.036	0.025	0.041	0.103	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	9	20.	20.667	25.	17.	10.25	3.202	17.	17.5	24.	25.
00500	RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	9	75.	69.222	93.	53.	183.944	13.563	53.	56.	77.	93.
00505	RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	9	23.	22.778	38.	13.	61.944	7.87	13.	16.	27.5	38.
00510	RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	9	48.	46.444	55.	34.	46.028	6.784	34.	41.5	52.	55.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	9	5.	7.944	20.	1.5	37.278	6.106	1.5	3.5	12.5	20.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	9##	1.5	1.667	3.	1.5	0.25	0.5	1.5	1.5	1.5	3.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	9	4.	6.833	18.	1.5	28.	5.292	1.5	3.5	10.5	18.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	9##	0.02	0.041	0.13	0.02	0.001	0.038	0.02	0.02	0.06	0.13
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	9##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		07/25/79-12/10/98	9	0.56	0.57	0.81	0.42	0.014	0.117	0.42	0.48	0.63	0.81
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	9	0.3	0.25	0.4	0.05	0.015	0.122	0.05	0.15	0.35	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	9##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	6	3.1	2.933	4.2	1.4	1.267	1.125	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)		08/27/87-12/10/98	9	26.	25.889	30.	22.	6.861	2.619	22.	24.	28.	30.
00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	9	5.	4.944	6.	2.5	1.028	1.014	2.5	5.	5.5	6.
00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	9	6.	6.333	7.	6.	0.25	0.5	6.	6.	7.	7.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	9	0.03	0.032	0.06	0.02	0.	0.014	0.02	0.02	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

Annual Analysis for 1997 - Station FRSP0010

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	9	18.7	16.911	28.2	5.9	57.424	7.578	5.9	9.65	22.95	28.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	10	10.45	12.36	25.	3.7	40.469	6.362	4.09	8.05	15.725	24.59
00078	TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	9	1.	1.356	3.	0.5	0.59	0.768	0.5	0.8	1.8	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	9	77.	81.444	101.	72.	96.278	9.812	72.	74.5	89.5	101.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	10	77.	83.6	107.	69.	165.156	12.851	69.6	75.75	92.	106.7
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	9	8.8	9.578	13.5	7.3	4.487	2.118	7.3	7.95	11.55	13.5
00310	BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	9##	1.	0.944	2.	0.5	0.215	0.464	0.5	0.5	1.	2.
00340	COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	6	8.	7.75	11.	2.5	7.975	2.824	**	**	**	**
00400	PH (STANDARD UNITS)		05/11/76-12/10/98	9	7.3	7.333	7.8	6.8	0.083	0.287	6.8	7.15	7.5	7.8
00400	CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	9	7.3	7.245	7.8	6.8	0.091	0.302	6.8	7.15	7.5	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	9	0.05	0.057	0.158	0.016	0.002	0.043	0.016	0.032	0.071	0.158
00403	PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	10	6.9	6.85	7.3	6.1	0.114	0.337	6.15	6.675	7.05	7.29
00403	CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	10	6.9	6.706	7.3	6.1	0.137	0.37	6.15	6.675	7.05	7.29
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	10	0.126	0.197	0.794	0.05	0.048	0.218	0.051	0.091	0.212	0.74
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	10	20.5	21.	32.	15.	25.556	5.055	15.	16.5	24.	31.2
00500	RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	10	61.5	66.4	93.	51.	153.378	12.385	51.7	58.	74.	91.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	10	17.	18.3	30.	11.	35.344	5.945	11.	14.	22.	29.5
00510	RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	10	46.	48.1	77.	38.	129.433	11.377	38.2	40.75	50.	74.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	9	10.	10.944	31.	1.5	67.903	8.24	1.5	6.5	12.	31.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	9##	1.5	2.167	5.	1.5	1.813	1.346	1.5	1.5	2.75	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 1997 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	8.	8.833	26.	1.5	49.25	7.018	1.5	4.5	10.	26.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.02	0.046	0.13	0.02	0.002	0.043	0.02	0.02	0.068	0.129
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.008	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.019
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	10	0.605	0.538	0.81	0.2	0.044	0.21	0.207	0.323	0.712	0.804
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	10	0.4	0.325	0.6	0.05	0.038	0.196	0.055	0.1	0.5	0.59
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	10	0.1	0.08	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	6	25.	24.5	31.	18.	19.1	4.37	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	10	5.	5.2	9.	2.5	3.9	1.975	2.5	3.625	6.25	8.8
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	10	7.	6.85	10.	2.5	4.114	2.028	2.85	6.	8.	9.8
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	10	0.03	0.037	0.07	0.01	0.	0.022	0.011	0.02	0.063	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

Annual Analysis for 1998 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	10	17.15	17.26	27.5	6.2	69.747	8.351	6.21	9.675	26.05	27.43
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	9.	13.22	27.5	6.2	63.068	7.942	6.25	6.85	21.25	26.95
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	9	0.8	0.867	1.4	0.5	0.097	0.312	0.5	0.55	1.1	1.4
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	10	96.5	105.2	153.	64.	1147.289	33.872	64.3	71.5	138.	151.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	98.	107.6	157.	65.	1416.933	37.642	65.	68.75	145.5	156.3
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	10	9.9	9.46	12.9	5.4	4.847	2.202	5.61	7.725	10.85	12.8
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10##	1.	1.5	4.	1.	0.944	0.972	1.	1.	2.	3.8
00340 COD, .25N K2CR207 MG/L	07/25/79-12/10/98	7	8.	9.143	17.	2.5	32.393	5.691	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.2	7.28	8.3	6.9	0.177	0.421	6.9	6.975	7.5	8.22
00400 CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.2	7.157	8.3	6.9	0.194	0.441	6.9	6.975	7.5	8.22
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	10	0.063	0.07	0.126	0.005	0.002	0.042	0.008	0.032	0.106	0.126
00403 PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	10	6.5	6.17	6.6	3.	1.247	1.117	3.34	6.4	6.6	6.6
00403 CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	10	6.5	3.999	6.6	3.	6.485	2.546	3.34	6.4	6.6	6.6
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	10	0.316	100.275	1000.	0.251	99938.909	316.131	0.251	0.251	0.398	900.04
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	10	28.	25.7	35.	15.	59.567	7.718	15.	16.5	32.	34.7
00500 RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	9	87.	86.333	105.	61.	167.75	12.952	61.	77.5	95.	105.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	9	24.	24.	29.	15.	20.25	4.5	15.	21.5	28.5	29.
00510 RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	9	65.	62.333	80.	33.	174.75	13.219	33.	57.	70.	80.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	8	15.5	15.5	22.	9.	22.857	4.781	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	8##	2.25	2.875	6.	1.5	2.839	1.685	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	8	12.5	12.25	18.	7.	17.071	4.132	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	10	0.08	0.114	0.32	0.02	0.012	0.11	0.02	0.02	0.223	0.311
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	10	0.015	0.02	0.06	0.005	0.	0.02	0.005	0.005	0.028	0.059
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	10	0.38	0.445	0.78	0.16	0.043	0.208	0.169	0.265	0.633	0.775
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	10	0.5	0.5	1.1	0.2	0.089	0.298	0.2	0.2	0.65	1.07
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	10	0.1	0.115	0.2	0.05	0.002	0.047	0.055	0.1	0.125	0.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	7	35.	35.286	58.	24.	131.571	11.47	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	10	7.	7.5	14.	2.5	23.944	4.893	2.5	2.5	12.25	13.9
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	10	7.5	9.2	13.	6.	8.4	2.898	6.1	7.	12.25	13.
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	10	0.045	0.052	0.1	0.03	0.	0.021	0.031	0.04	0.058	0.098

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	80	25.6	24.073	31.2	2.1	35.068	5.922	17.9	20.925	28.	29.18
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	38	0.8	0.785	1.8	0.4	0.075	0.273	0.49	0.5	1.	1.005
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	69	98.	128.739	2000.	67.	52696.313	229.557	78.	85.5	111.	135.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	30	87.5	93.1	157.	73.	371.472	19.274	76.2	80.	98.75	108.8
00096 SALINITY AT 25 DEGREES C (MG/ML)		05/03/88-12/01/94	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	48	7.45	7.546	10.5	5.4	1.231	1.11	6.09	6.725	8.5	8.81
00300 OXYGEN, DISSOLVED	MG/L	06/24/76-09/29/87	33	7.9	7.761	10.4	4.8	1.447	1.203	6.	7.1	8.4	9.16
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	67	1.	1.824	6.	0.5	1.685	1.298	0.5	1.	2.	4.
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	41	11.	10.878	25.	3.	22.51	4.744	6.	7.5	14.	17.
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	76	7.2	7.097	8.7	5.6	0.243	0.493	6.4	6.7	7.4	7.6
00400 CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	76	7.2	6.799	8.7	5.6	0.333	0.577	6.4	6.7	7.4	7.6
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	76	0.063	0.159	2.512	0.002	0.092	0.304	0.025	0.04	0.2	0.398
00403 PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	37	6.9	6.814	7.6	3.	0.482	0.694	6.6	6.7	7.1	7.24
00403 CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	37	6.9	4.566	7.6	3.	5.673	2.382	6.6	6.7	7.1	7.24
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	37	0.126	27.163	1000.	0.025	27019.471	164.376	0.058	0.079	0.2	0.251
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	37	25.	24.378	32.	15.	19.631	4.431	19.	21.	27.	31.2
00500 RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	17	79.	85.765	146.	58.	405.066	20.126	62.	75.5	95.	113.2
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	17	24.	46.176	400.	14.	8349.654	91.376	15.6	20.	29.5	110.4
00510 RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	17	56.	61.118	112.	42.	324.11	18.003	42.	47.	72.5	86.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	67	9.	11.507	68.	0.	113.42	10.65	2.9	6.	12.	20.2
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	68	3.	6.559	200.	0.	576.228	24.005	1.5	2.	4.75	7.1
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	68	6.	19.699	800.	0.	9298.58	96.429	2.	3.	9.75	16.2
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	22	0.125	0.15	0.41	0.02	0.011	0.107	0.04	0.055	0.22	0.321
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	45	0.12	0.201	0.8	0.02	0.036	0.19	0.04	0.07	0.25	0.54
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	22	0.01	0.011	0.03	0.004	0.	0.007	0.005	0.005	0.012	0.02
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	45	0.01	0.028	0.42	0.005	0.004	0.063	0.005	0.008	0.025	0.054
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	22	0.44	0.437	0.76	0.14	0.031	0.177	0.203	0.258	0.573	0.702
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/25/79-12/10/98	34	0.39	0.401	0.81	0.01	0.044	0.209	0.1	0.25	0.573	0.695
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	63	0.5	0.586	1.6	0.2	0.081	0.284	0.3	0.4	0.7	1.
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	52	0.1	0.089	0.2	0.02	0.002	0.04	0.05	0.05	0.1	0.121
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		05/03/88-12/01/94	21	0.03	0.034	0.05	0.01	0.	0.011	0.02	0.03	0.04	0.05
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-12/01/94	41	0.03	0.04	0.18	0.005	0.001	0.032	0.01	0.02	0.05	0.068
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	53	4.5	5.034	9.	1.	4.234	2.058	2.74	3.05	6.75	8.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		08/27/87-12/10/98	21	30.	31.	58.	24.	49.4	7.029	26.	26.5	33.	35.8
00945 SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	18	7.	7.611	13.	6.	4.605	2.146	6.	6.	8.25	12.1
00955 SILICA, DISSOLVED (MG/L AS SI02)		05/03/88-12/01/94	20	10.1	9.785	13.	5.3	4.296	2.073	6.42	8.525	11.3	12.44
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/11/76-12/10/98	43	100.	538.093	8000.	15.	1843027.086	1357.581	50.	50.	400.	1340.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/11/76-12/10/98	43	2.	2.14	3.903	1.176	0.387	0.622	1.699	1.699	2.602	3.122
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	138.043								
50060 CHLORINE, TOTAL RESIDUAL (MG/L)		06/24/76-08/27/87	17	0.1	0.182	1.	0.	0.054	0.232	0.	0.05	0.2	0.44
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	26	0.04	0.043	0.08	0.005	0.	0.018	0.017	0.03	0.06	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: 10/15 to 3/31 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	53	6.9	7.889	19.	0.8	15.607	3.951	2.78	5.05	10.6	13.7
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	34	1.225	2.297	35.	0.25	34.011	5.832	0.35	0.575	2.	2.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	54	83.5	89.037	154.	64.	395.244	19.881	72.5	75.	95.25	113.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	32	82.	88.563	144.	63.	502.19	22.41	68.3	75.25	91.25	138.7
00096 SALINITY AT 25 DEGREES C (MG/ML)		05/03/88-12/01/94	22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	41	11.8	11.629	15.3	6.7	2.907	1.705	9.82	11.	12.6	13.58
00300 OXYGEN, DISSOLVED	MG/L	06/24/76-09/29/87	12	10.55	10.675	12.9	7.8	3.051	1.747	8.01	9.15	12.625	12.9
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	44	1.	1.352	4.	0.5	0.64	0.8	0.5	1.	2.	2.35
00340 COD, .25N K2CR2O7	MG/L	07/25/79-12/10/98	31	8.	8.032	16.	0.5	19.049	4.365	2.5	5.	11.	15.
00400 PH (STANDARD UNITS)		05/11/76-12/10/98	50	7.085	7.009	8.4	6.3	0.169	0.411	6.41	6.6	7.3	7.4

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0010

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	50	7.085	6.833	8.4	6.3	0.201	0.448	6.41	6.6	7.3	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	50	0.082	0.147	0.501	0.004	0.019	0.137	0.04	0.05	0.251	0.39
00403	PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	32	6.85	6.925	8.	6.1	0.245	0.495	6.33	6.525	7.375	7.64
00403	CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	32	6.847	6.707	8.	6.1	0.294	0.542	6.33	6.525	7.375	7.64
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	32	0.142	0.196	0.794	0.01	0.032	0.18	0.023	0.042	0.3	0.47
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	32	19.	20.75	35.	12.	34.645	5.886	15.	17.	24.25	31.4
00500	RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	16	69.	69.625	93.	53.	143.717	11.988	53.	60.	76.75	88.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	16	20.	21.438	30.	11.	38.663	6.218	13.8	15.5	28.75	29.3
00510	RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	16	48.	48.188	72.	33.	126.563	11.25	33.7	36.75	56.75	64.3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	48	6.	8.323	30.	1.5	50.952	7.138	1.5	3.	11.75	22.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	48	1.5	2.094	6.	0.	1.411	1.188	1.	1.5	2.5	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	48	4.	6.708	25.	1.	34.722	5.893	1.5	2.5	10.	18.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	20	0.07	0.081	0.27	0.017	0.004	0.065	0.022	0.04	0.095	0.227
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	27##	0.05	0.088	0.23	0.02	0.007	0.082	0.02	0.02	0.2	0.212
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	20##	0.005	0.007	0.014	0.001	0.	0.003	0.005	0.005	0.01	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	26##	0.005	0.009	0.05	0.005	0.	0.009	0.005	0.005	0.01	0.02
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-12/01/94	20	0.75	0.653	0.94	0.15	0.057	0.239	0.188	0.51	0.833	0.924
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		07/25/79-12/10/98	27	0.62	0.574	1.2	0.16	0.05	0.224	0.202	0.43	0.7	0.802
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	43	0.3	0.306	0.6	0.05	0.021	0.144	0.1	0.2	0.4	0.56
00665	PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-12/10/98	43	0.05	0.07	0.2	0.03	0.002	0.039	0.03	0.05	0.1	0.106
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		05/03/88-12/01/94	18	0.025	0.026	0.05	0.01	0.	0.012	0.01	0.018	0.03	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-12/01/94	32	0.02	0.031	0.13	0.01	0.001	0.029	0.01	0.01	0.039	0.085
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	34	4.05	4.306	13.	0.9	5.794	2.407	1.55	2.675	5.6	6.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)		08/27/87-12/10/98	19	29.	28.895	42.	18.	39.099	6.253	20.	24.	34.	38.
00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	17	7.	7.559	13.	2.5	5.684	2.384	5.3	6.5	8.	12.2
00955	SILICA, DISSOLVED (MG/L AS SI02)		05/03/88-12/01/94	20	10.6	9.705	13.	1.1	9.123	3.02	4.66	9.375	11.925	12.38
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/11/76-12/10/98	27	100.	219.259	1200.	2.	81102.43	284.785	49.	50.	300.	584.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/11/76-12/10/98	27	2.	2.041	3.079	0.301	0.317	0.563	1.69	1.699	2.477	2.752
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	109.808								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)		06/24/76-08/27/87	3	0.	0.	0.	0.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	15	0.04	0.039	0.08	0.02	0.	0.019	0.02	0.02	0.04	0.074

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0010

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	56	20.75	20.446	32.	8.7	32.325	5.686	12.19	15.825	24.95	26.97
00078	TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-12/10/98	40	1.	0.972	1.9	0.15	0.193	0.439	0.31	0.638	1.25	1.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/25/79-12/10/98	51	80.	78.137	100.	6.	198.521	14.09	65.	73.	87.	93.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	35	78.	78.457	109.	64.	95.373	9.766	67.4	73.	82.	88.8
00096	SALINITY AT 25 DEGREES C (MG/ML)		05/03/88-12/01/94	28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-12/10/98	37	8.3	8.611	11.8	6.6	1.859	1.363	6.88	7.5	9.55	10.6
00300	OXYGEN, DISSOLVED	MG/L	06/24/76-09/29/87	19	8.5	8.726	10.8	6.8	0.963	0.981	7.2	8.3	9.3	10.4
00310	BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	53	1.	1.46	6.	0.5	1.401	1.184	0.5	1.	2.	3.
00340	COD, .25N K2CR207	MG/L	07/25/79-12/10/98	30	8.	8.	17.	1.	13.103	3.62	4.	5.75	10.	13.9
00400	PH (STANDARD UNITS)		05/11/76-12/10/98	55	7.3	7.18	8.9	6.	0.373	0.611	6.36	6.6	7.5	7.9
00400	CONVERTED PH (STANDARD UNITS)		05/11/76-12/10/98	55	7.3	6.82	8.9	6.	0.505	0.711	6.36	6.6	7.5	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/76-12/10/98	55	0.05	0.151	1.	0.001	0.04	0.201	0.013	0.032	0.251	0.439
00403	PH, LAB, STANDARD UNITS	SU	05/19/86-12/10/98	36	6.9	6.903	7.9	6.4	0.112	0.334	6.5	6.7	7.1	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS		05/19/86-12/10/98	36	6.9	6.798	7.9	6.4	0.123	0.351	6.5	6.7	7.1	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/19/86-12/10/98	36	0.126	0.159	0.398	0.013	0.011	0.103	0.04	0.079	0.2	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		05/19/86-12/10/98	36	20.5	20.5	28.	14.	9.743	3.121	16.	18.25	23.	24.
00500	RESIDUE, TOTAL (MG/L)		07/25/79-12/10/98	11	62.	66.909	92.	51.	190.291	13.795	51.2	54.	77.	89.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)		07/25/79-12/10/98	11	17.	18.	25.	11.	22.2	4.712	11.4	14.	23.	24.8
00510	RESIDUE, TOTAL FIXED (MG/L)		07/25/79-12/10/98	11	42.	48.909	68.	37.	135.491	11.64	37.2	40.	60.	67.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	56	9.	14.125	104.	2.	301.33	17.359	3.55	6.	14.75	26.3

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	56	2.	3.196	16.	0.	8.061	2.839	1.	1.5	4.	7.3
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	56	7.	11.134	96.	0.5	251.386	15.855	2.5	4.	10.75	21.3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	27	0.09	0.1	0.29	0.016	0.005	0.069	0.02	0.04	0.15	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	31	0.07	0.128	0.9	0.02	0.028	0.166	0.02	0.05	0.2	0.2
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	27##	0.005	0.009	0.03	0.001	0.	0.008	0.005	0.005	0.01	0.03
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	31	0.01	0.031	0.6	0.005	0.011	0.106	0.005	0.005	0.02	0.02
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	27	0.49	0.463	1.06	0.02	0.049	0.22	0.14	0.32	0.57	0.714
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	23	0.43	0.417	0.9	0.005	0.046	0.215	0.142	0.24	0.56	0.732
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	53	0.4	0.4	1.299	0.05	0.047	0.216	0.2	0.3	0.5	0.66
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	46	0.06	0.08	0.3	0.03	0.002	0.049	0.04	0.05	0.1	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	24	0.02	0.025	0.05	0.01	0.	0.01	0.015	0.02	0.03	0.045
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	39	0.02	0.021	0.07	0.005	0.	0.014	0.007	0.01	0.02	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	53	3.5	4.045	9.	1.4	3.805	1.951	2.	2.45	5.3	6.84
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	21	26.	27.571	38.	22.	23.757	4.874	22.	24.	30.5	36.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	12	7.	18.833	152.	6.	1759.424	41.945	6.	6.	7.	109.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	27	10.	9.293	12.	3.	4.84	2.2	6.08	8.4	10.6	12.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	35	100.	599.543	5400.	9.	1186891.138	1089.445	20.	50.	600.	2160.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	35	2.	2.216	3.732	0.954	0.513	0.716	1.301	1.699	2.778	3.333
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	164.456								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/76-08/27/87	7	0.	0.029	0.1	0.	0.002	0.049	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	19	0.03	0.036	0.16	0.005	0.001	0.037	0.01	0.01	0.04	0.1

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

Station Inventory for Station: FRSP0011

NPS Station ID: FRSP0011 LAT/LON: 38.256948/ -77.415838 Agency: 1113RAWQ Date Created: / /
Location: FOX SPRING "120" R02 FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): RAPPAHAN R02 /R02 /RP2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 1 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK & YORK RIVERS ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 0.910 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: FRSP0011

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	1	28.5	28.5	28.5	28.5	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	2	0.122	0.122	0.16	0.083	0.003	0.054	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-08/28/70	2	0.818	0.818	0.842	0.793	0.001	0.035	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	2	0.355	0.355	0.42	0.29	0.008	0.092	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	2	0.215	0.215	0.22	0.21	0.	0.007	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	2	15.	15.	25.4	4.6	216.32	14.708	**	**	**	**
00690 CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	2	0.39	0.39	0.45	0.33	0.007	0.085	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0011

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: FRSP0012

NPS Station ID: FRSP0012 LAT/LON: 38.257226/ -77.418893 Agency: 21VASWCB Date Created: / /
Location: BUOY 120 FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP106.80 /VA3-01-X0046/VA3-3X0046
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 1.020 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-10/06/75	46	26.1	24.537	31.1	8.9	25.897	5.089	17.62	20.	28.3	30.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		06/02/71-07/21/71	3	22.	21.	29.	12.	73.	8.544	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-10/06/75	45	7.6	7.644	10.8	3.8	2.452	1.566	5.34	6.9	8.5	9.88
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/31/69-09/03/70	6	1.65	1.883	3.	0.9	0.646	0.804	**	**	**	**
00400 PH (STANDARD UNITS)		07/02/68-10/06/75	43	7.	7.077	8.5	6.5	0.127	0.356	6.7	6.9	7.2	7.5
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-10/06/75	43	7.	6.978	8.5	6.5	0.137	0.37	6.7	6.9	7.2	7.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-10/06/75	43	0.1	0.105	0.316	0.003	0.004	0.062	0.032	0.063	0.126	0.2
00403 PH, LAB, STANDARD UNITS	SU	03/31/69-09/03/70	6	6.65	6.617	7.	6.2	0.082	0.286	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		03/31/69-09/03/70	6	6.647	6.538	7.	6.2	0.089	0.298	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/31/69-09/03/70	6	0.225	0.29	0.631	0.1	0.038	0.195	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/31/69-09/03/70	6	18.5	20.5	32.	14.	49.1	7.007	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		03/31/69-09/13/71	6	131.5	147.667	272.	101.	3997.467	63.226	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		03/31/69-09/13/71	6	41.	40.333	55.	22.	119.467	10.93	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		03/31/69-09/13/71	6	91.5	107.333	234.	56.	4267.867	65.329	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	14.5	22.167	48.	6.	270.167	16.437	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	5.	9.667	32.	1.	142.267	11.928	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	8.5	20.833	84.	5.	968.567	31.122	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/13/70-10/06/75	36	0.1	0.152	0.5	0.02	0.012	0.11	0.05	0.075	0.198	0.329
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/13/70-10/06/75	37	0.01	0.012	0.08	0.005	0.	0.013	0.005	0.005	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/13/70-10/06/75	37	0.47	0.472	1.019	0.05	0.056	0.236	0.178	0.31	0.615	0.792
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-10/06/75	37	0.3	0.4	1.299	0.1	0.06	0.245	0.2	0.2	0.5	0.72
00945 SULFATE, TOTAL (MG/L AS SO4)		06/22/70-10/06/75	32	12.5	16.594	75.	5.	183.539	13.548	7.3	8.	19.5	28.1
01002 ARSENIC, TOTAL (UG/L AS AS)		06/02/71-10/06/75	6##	2.5	3.417	9.	1.5	7.642	2.764	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		08/08/71-10/06/75	8##	5.	4.625	5.	2.	1.125	1.061	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		04/13/70-10/06/75	13##	5.	6.154	10.	5.	4.808	2.193	5.	5.	7.5	10.
01042 COPPER, TOTAL (UG/L AS CU)		04/13/70-05/08/74	11##	5.	9.545	40.	5.	107.273	10.357	5.	5.	10.	34.
01051 LEAD, TOTAL (UG/L AS PB)		06/02/71-10/06/75	11##	5.	5.545	10.	1.	6.273	2.505	1.8	5.	5.	10.
01055 MANGANESE, TOTAL (UG/L AS MN)		04/13/70-04/13/70	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)		05/17/73-10/06/75	4##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		04/13/70-10/06/75	13##	5.	11.154	30.	5.	88.141	9.388	5.	5.	15.	30.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)		07/02/68-10/07/70	11	9300.	9606.364	43000.	150.	151743505.455	12318.421	198.	930.	11000.	37400.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150		07/02/68-10/07/70	11	3.968	3.563	4.633	2.176	0.578	0.76	2.259	2.968	4.041	4.542
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506				GEOMETRIC MEAN =	3656.837								

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

Parameter Inventory for Station: FRSP0012

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-10/06/75	34	200.	704.412	8000.	50.	2154146.613	1467.701	50.	50.	750.	2000.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-10/06/75	34	2.301	2.315	3.903	1.699	0.441	0.664	1.699	1.699	2.872	3.3
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	206.492								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-10/06/75	37##	0.05	0.092	0.8	0.05	0.016	0.126	0.05	0.05	0.1	0.12
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-10/06/75	37	0.05	0.051	0.21	0.01	0.001	0.034	0.02	0.035	0.05	0.084
71900 MERCURY, TOTAL (UG/L AS HG)	09/03/70-10/06/75	13##	0.25	0.465	2.3	0.25	0.347	0.589	0.25	0.25	0.25	1.78

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

EPA Water Quality Criteria Analysis for Station: FRSP0012

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	2	0	0.00				1	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	45	1	0.02	31	1	0.03	1	0	0.00	13	0	0.00			
00400 PH	Fresh Chronic	9.	43	0	0.00	30	0	0.00	1	0	0.00	12	0	0.00			
	Other-Lo Lim.	6.5	43	1	0.02	30	0	0.00	1	0	0.00	12	1	0.08			
00403 PH, LAB	Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	6	2	0.33	2	1	0.50	1	0	0.00	3	1	0.33			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	37	0	0.00	24	0	0.00				13	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	37	0	0.00	24	0	0.00				13	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	32	0	0.00	24	0	0.00				8	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	4	0	0.00				2	0	0.00			
	Drinking Water	50.	6	0	0.00	4	0	0.00				2	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1&	0	0.00	1	0	0.00									
	Drinking Water	5.	1&	0	0.00	1	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00	7	0	0.00				6	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	11	1	0.09	6	0	0.00				5	1	0.20			
	Drinking Water	1300.	11	0	0.00	6	0	0.00				5	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	7	0	0.00				4	0	0.00			
	Drinking Water	15.	11	0	0.00	7	0	0.00				4	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	13	0	0.00	7	0	0.00				6	0	0.00			
	Drinking Water	5000.	13	0	0.00	7	0	0.00				6	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	11	8	0.73	6	3	0.50	1	1	1.00	4	4	1.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	34	18	0.53	24	10	0.42				10	8	0.80			
71900 MERCURY, TOTAL	Fresh Acute	2.4	13	0	0.00	8	0	0.00				5	0	0.00			
	Drinking Water	2.	13	1	0.08	8	0	0.00				5	1	0.20			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-10/06/75	31	27.2	26.413	31.1	17.2	12.687	3.562	20.12	25.6	28.9	30.
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-10/06/75	31	7.5	7.358	10.8	3.8	2.727	1.651	4.62	6.6	8.	9.9
00400 PH (STANDARD UNITS)		07/02/68-10/06/75	30	7.	7.107	8.5	6.7	0.139	0.373	6.7	6.9	7.2	7.5
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-10/06/75	30	7.	7.006	8.5	6.7	0.15	0.387	6.7	6.9	7.2	7.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-10/06/75	30	0.1	0.099	0.2	0.003	0.003	0.054	0.032	0.063	0.126	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 box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-10/06/75	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-10/06/75	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		07/02/68-10/06/75	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-10/06/75	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-10/06/75	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-10/06/75	14	20.	21.5	28.9	13.3	23.231	4.82	15.25	17.8	26.375	28.6
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-10/06/75	13	8.1	8.085	9.8	6.4	0.921	0.96	6.64	7.25	8.9	9.48
00400 PH (STANDARD UNITS)		07/02/68-10/06/75	12	7.	6.942	7.3	6.5	0.048	0.219	6.56	6.8	7.075	7.27
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-10/06/75	12	7.	6.888	7.3	6.5	0.051	0.226	6.56	6.8	7.075	7.27
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-10/06/75	12	0.1	0.129	0.316	0.05	0.005	0.073	0.054	0.085	0.158	0.281

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

Station Inventory for Station: FRSP0013

NPS Station ID: FRSP0013 LAT/LON: 38.228892/ -77.427503 Agency: 21VASWCB Date Created: 03/07/92
Location: RT. 609 (SPOTSYLVANIA COUNTY) FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-MAP002.61
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN
RIVER: MASSAPONAX CREEK SECTION: 04 TOPO MAP #: 0039 TOPO MAP NAME: GUINEA, VA

Parameter Inventory for Station: FRSP0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/92-11/23/98	28	14.	13.4	25.	0.5	59.872	7.738	1.99	6.5	20.275	24.24
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/17/92-03/17/92	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/15/94-11/23/98	19	8.9	11.589	25.	4.3	31.842	5.643	6.8	8.2	14.6	24.1
00080	COLOR (PLATINUM-COBALT UNITS)	03/17/92-02/17/93	4	104.5	101.	147.	48.	1670.	40.866	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/17/92-11/23/98	29	95.	102.793	301.	66.	1694.17	41.16	80.	87.5	104.	128.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/92-11/23/98	29	86.	97.931	303.	61.	1817.709	42.635	77.	81.	102.	126.
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/92-11/23/98	28	9.25	9.546	13.6	6.5	4.511	2.124	6.99	7.925	11.325	13.03
00310	BOD, 5 DAY, 20 DEG C MG/L	03/17/92-11/23/98	29	1.	1.224	2.	0.5	0.255	0.505	0.5	1.	1.8	2.
00340	COD, .25N K2CR2O7 MG/L	03/17/92-11/23/98	26	14.5	13.558	24.	2.5	23.087	4.805	7.7	9.75	16.25	19.9
00400	PH (STANDARD UNITS)	05/14/92-11/23/98	27	7.1	7.096	8.5	6.3	0.206	0.454	6.6	6.8	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	05/14/92-11/23/98	27	7.1	6.916	8.5	6.3	0.24	0.49	6.6	6.8	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/92-11/23/98	27	0.079	0.121	0.501	0.003	0.012	0.11	0.025	0.04	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	03/17/92-11/23/98	29	6.4	6.476	7.3	6.1	0.067	0.259	6.2	6.3	6.65	6.8
00403	CONVERTED PH, LAB, STANDARD UNITS	03/17/92-11/23/98	29	6.4	6.414	7.3	6.1	0.071	0.266	6.2	6.3	6.65	6.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/17/92-11/23/98	29	0.398	0.385	0.794	0.05	0.036	0.188	0.158	0.225	0.501	0.631
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	29	9.	9.172	16.	3.	12.148	3.485	5.	7.	12.	15.
00500	RESIDUE, TOTAL (MG/L)	03/17/92-11/23/98	29	80.	84.621	196.	58.	678.815	26.054	65.	69.	91.	113.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/17/92-11/23/98	29	26.	26.69	50.	8.	92.15	9.599	15.	20.5	32.	40.
00510	RESIDUE, TOTAL FIXED (MG/L)	03/17/92-11/23/98	29	56.	57.552	147.	23.	473.328	21.756	40.	45.5	63.	73.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/17/92-11/23/98	29	4.	8.793	71.	1.5	177.509	13.323	2.	3.	8.5	18.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/17/92-11/23/98	29##	1.5	2.103	11.	1.	3.882	1.97	1.	1.5	2.	3.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/17/92-11/23/98	29	3.	6.931	60.	1.5	127.727	11.302	1.5	2.	7.	15.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/92-11/23/98	29##	0.02	0.032	0.1	0.02	0.	0.02	0.02	0.02	0.04	0.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	29##	0.005	0.007	0.03	0.005	0.	0.005	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	29	0.07	0.085	0.39	0.02	0.006	0.076	0.02	0.03	0.12	0.16
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	29	0.3	0.345	0.7	0.1	0.021	0.145	0.2	0.25	0.4	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	29##	0.05	0.067	0.2	0.05	0.001	0.033	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/17/92-03/17/92	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/92-07/01/96	19	5.	5.163	8.2	2.5	2.151	1.467	3.2	4.3	6.	7.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	26	24.	25.731	40.	18.	41.485	6.441	19.4	20.	30.5	36.3
00940	CHLORIDE,TOTAL IN WATER MG/L	03/17/92-11/23/98	27	9.	11.963	76.	5.	176.96	13.303	6.	7.	11.	16.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/17/92-11/23/98	27	12.	13.741	28.	7.	28.199	5.31	8.	10.	16.	22.
00951	FLUORIDE, TOTAL (MG/L AS F)	03/17/92-02/17/93	4##	0.1	0.125	0.25	0.05	0.009	0.096	**	**	**	**

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Parameter Inventory for Station: FRSP0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955 SILICA, DISSOLVED (MG/L AS SIO2)	03/17/92-11/09/92	4	14.9	14.525	16.8	11.5	5.829	2.414	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	02/17/93-09/15/94	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	02/17/93-02/17/93	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	02/17/93-09/15/94	2##	3.25	3.25	5.	1.5	6.125	2.475	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	02/17/93-09/15/94	2##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	02/17/93-09/15/94	2##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	02/17/93-09/15/94	2	1633.	1633.	2207.	1059.	658952.	811.759	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	02/17/93-09/15/94	2##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	02/17/93-09/15/94	2	186.65	186.65	213.3	160.	1420.445	37.689	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	02/17/93-02/17/93	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	02/17/93-09/15/94	2##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	02/17/93-09/15/94	2##	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	02/17/93-09/15/94	2##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	28	100.	201.607	1200.	45.	80516.766	283.755	50.	50.	200.	720.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	28	2.	2.047	3.079	1.653	0.186	0.431	1.699	1.699	2.301	2.856
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	111.536								
32240 TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	3	0.6	0.633	0.8	0.5	0.023	0.153	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	08/11/93-08/11/93	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	08/11/93-08/11/93	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	2	19.	19.	20.	18.	2.	1.414	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	28	0.025	0.027	0.05	0.01	0.	0.009	0.02	0.02	0.03	0.04
71900 MERCURY, TOTAL (UG/L AS HG)	02/17/93-09/15/94	2##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	08/11/93-08/11/93	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82032 CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	1	4200.	4200.	4200.	4200.	0.	0.	**	**	**	**
82078 TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	9	13.6	14.689	33.	3.7	79.271	8.903	3.7	8.6	20.4	33.

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

EPA Water Quality Criteria Analysis for Station: FRSP0013

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - 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: FRSP0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	0	0.00	6	0	0.00	8	0	0.00	5	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	28	0	0.00	8	0	0.00	12	0	0.00	8	0	0.00			
00400	PH	Fresh Chronic	9.	27	0	0.00	8	0	0.00	11	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	27	1	0.04	8	0	0.00	11	1	0.09	8	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	29	0	0.00	8	0	0.00	13	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	29	20	0.69	8	5	0.63	13	10	0.77	8	5	0.63			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	29	0	0.00	8	0	0.00	13	0	0.00	8	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	29	0	0.00	8	0	0.00	13	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	27	0	0.00	7	0	0.00	13	0	0.00	7	0	0.00			
		Drinking Water	250.	27	0	0.00	7	0	0.00	13	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	27	0	0.00	7	0	0.00	13	0	0.00	7	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	1	0	0.00	3	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	0&	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1&	0	0.00	1	0	0.00									
		Drinking Water	5.	1&	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1&	0	0.00				1	0	0.00						
		Drinking Water	1300.	2	0	0.00	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						
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	2.	0&	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	28	9	0.32	7	3	0.43	13	1	0.08	8	5	0.63			
34356	ENDOSULFAN, BETA	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361	ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	1.	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									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
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						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	9	0	0.00	2	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: 7/01 to 10/14 - Station FRSP0013

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/14/92-11/23/98	8	22.9	22.225	25.	16.2	8.579	2.929	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		03/17/92-11/23/98	8	98.	103.375	128.	94.	152.268	12.34	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/17/92-11/23/98	8	101.	100.5	126.	86.	170.	13.038	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/14/92-11/23/98	8	7.2	7.413	8.6	6.5	0.481	0.694	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C	MG/L	03/17/92-11/23/98	8	1.	0.963	2.	0.5	0.254	0.504	**	**	**	**
00340	COD, .25N K2CR2O7	MG/L	03/17/92-11/23/98	6	15.	14.167	19.	8.	14.167	3.764	**	**	**	**
00400	PH (STANDARD UNITS)		05/14/92-11/23/98	8	7.	7.05	7.5	6.6	0.103	0.321	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		05/14/92-11/23/98	8	7.	6.954	7.5	6.6	0.113	0.337	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/14/92-11/23/98	8	0.1	0.111	0.251	0.032	0.006	0.075	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	03/17/92-11/23/98	8	6.45	6.475	6.8	6.2	0.048	0.219	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		03/17/92-11/23/98	8	6.447	6.428	6.8	6.2	0.05	0.224	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/17/92-11/23/98	8	0.357	0.373	0.631	0.158	0.033	0.181	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/17/92-11/23/98	8	11.	10.375	15.	7.	8.268	2.875	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)		03/17/92-11/23/98	8	87.5	85.625	103.	69.	124.554	11.16	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)		03/17/92-11/23/98	8	23.	22.75	32.	8.	63.929	7.996	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)		03/17/92-11/23/98	8	61.5	61.5	71.	48.	51.714	7.191	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/17/92-11/23/98	8	4.	8.438	27.	1.5	82.674	9.093	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/17/92-11/23/98	8##	1.5	2.25	6.	1.	2.643	1.626	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		03/17/92-11/23/98	8	3.	6.5	21.	1.5	53.643	7.324	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/17/92-11/23/98	8##	0.02	0.031	0.06	0.02	0.	0.016	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		03/17/92-11/23/98	8##	0.008	0.01	0.03	0.005	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		03/17/92-11/23/98	8	0.075	0.085	0.14	0.02	0.002	0.039	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/17/92-11/23/98	8	0.35	0.4	0.6	0.2	0.023	0.151	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)		03/17/92-11/23/98	8##	0.05	0.069	0.1	0.05	0.001	0.026	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)		03/17/92-11/23/98	6	27.5	29.167	40.	24.	39.367	6.274	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	03/17/92-11/23/98	7	9.	9.429	13.	7.	4.619	2.149	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		03/17/92-11/23/98	7	16.	17.	28.	10.	56.333	7.506	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/17/92-11/23/98	7	100.	235.714	700.	50.	55595.238	235.786	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/17/92-11/23/98	7	2.	2.207	2.845	1.699	0.16	0.4	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	160.967								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/14/92-11/23/98	8	0.03	0.033	0.05	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 box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0013

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/14/92-11/23/98	12	5.9	6.4	14.3	0.5	18.193	4.265	0.92	2.65	8.	14.12
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		03/17/92-11/23/98	13	96.	113.154	301.	70.	3486.808	59.049	74.	86.	113.	235.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/17/92-11/23/98	13	86.	107.462	303.	62.	3780.269	61.484	68.	80.5	110.5	234.2
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	05/14/92-11/23/98	12	11.45	11.242	13.6	8.5	3.248	1.802	8.5	9.5	12.975	13.51
00310	BOD, 5 DAY, 20 DEG C	MG/L	03/17/92-11/23/98	13	1.	1.315	2.	1.	0.186	0.432	1.	1.	1.8	2.
00340	COD, .25N K2CR2O7	MG/L	03/17/92-11/23/98	13	12.	12.115	22.	2.5	27.09	5.205	4.3	9.	16.	20.8
00400	PH (STANDARD UNITS)		05/14/92-11/23/98	11	7.1	7.145	8.5	6.3	0.391	0.625	6.36	6.6	7.5	8.32
00400	CONVERTED PH (STANDARD UNITS)		05/14/92-11/23/98	11	7.1	6.846	8.5	6.3	0.489	0.7	6.36	6.6	7.5	8.32
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/14/92-11/23/98	11	0.079	0.143	0.501	0.003	0.024	0.154	0.008	0.032	0.251	0.451
00403	PH, LAB, STANDARD UNITS	SU	03/17/92-11/23/98	13	6.4	6.462	7.3	6.1	0.093	0.304	6.14	6.3	6.6	7.06
00403	CONVERTED PH, LAB, STANDARD UNITS		03/17/92-11/23/98	13	6.4	6.391	7.3	6.1	0.098	0.313	6.14	6.3	6.6	7.06
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/17/92-11/23/98	13	0.398	0.407	0.794	0.05	0.037	0.193	0.11	0.258	0.501	0.729
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/17/92-11/23/98	13	7.	8.154	16.	3.	16.141	4.018	3.4	5.5	11.5	15.2
00500	RESIDUE, TOTAL (MG/L)		03/17/92-11/23/98	13	73.	86.077	196.	65.	1256.577	35.448	65.	67.5	83.5	162.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)		03/17/92-11/23/98	13	29.	30.154	50.	15.	121.308	11.014	15.4	23.	37.	49.6
00510	RESIDUE, TOTAL FIXED (MG/L)		03/17/92-11/23/98	13	50.	55.923	147.	23.	892.91	29.882	28.2	40.5	56.5	117.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/17/92-11/23/98	13	4.	5.346	16.	1.5	15.724	3.965	1.7	3.	7.5	13.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/17/92-11/23/98	13##	1.5	1.5	2.	1.	0.083	0.289	1.	1.5	1.5	2.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		03/17/92-11/23/98	13	3.	4.077	14.	1.5	12.994	3.605	1.5	1.5	5.5	11.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/17/92-11/23/98	13##	0.02	0.03	0.07	0.02	0.	0.017	0.02	0.02	0.04	0.066

** - 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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	13##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	13	0.06	0.094	0.39	0.02	0.011	0.104	0.02	0.02	0.135	0.31
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	13	0.3	0.3	0.5	0.1	0.012	0.108	0.14	0.2	0.4	0.46
00665 PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	13##	0.05	0.073	0.2	0.05	0.002	0.044	0.05	0.05	0.1	0.16
00900 HARDNESS, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	13	22.	24.923	37.	18.	43.91	6.626	18.8	20.	31.	36.6
00940 CHLORIDE,TOTAL IN WATER MG/L	03/17/92-11/23/98	13	10.	15.154	76.	6.	357.141	18.898	6.	6.5	12.5	55.2
00945 SULFATE, TOTAL (MG/L AS SO4)	03/17/92-11/23/98	13	15.	14.077	21.	8.	14.41	3.796	8.4	11.5	17.	19.8
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	13##	50.	80.385	400.	45.	9418.59	97.049	47.	50.	50.	280.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	13##	1.699	1.788	2.602	1.653	0.067	0.259	1.672	1.699	1.699	2.361
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		61.387								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	12	0.02	0.022	0.03	0.01	0.	0.006	0.013	0.02	0.028	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: 4/01 to 6/30 - Station FRSP0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/92-11/23/98	8	15.1	15.075	20.2	10.	17.554	4.19	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/17/92-11/23/98	8	87.5	85.375	99.	66.	100.554	10.028	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/92-11/23/98	8	81.	79.875	89.	61.	71.554	8.459	**	**	**	**
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/92-11/23/98	8	9.3	9.137	11.1	7.1	1.491	1.221	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	03/17/92-11/23/98	8	1.1	1.338	2.	0.5	0.34	0.583	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	03/17/92-11/23/98	7	15.	15.714	24.	9.	19.905	4.461	**	**	**	**
00400 PH (STANDARD UNITS)	05/14/92-11/23/98	8	7.05	7.075	7.6	6.7	0.096	0.311	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/14/92-11/23/98	8	7.047	6.989	7.6	6.7	0.105	0.324	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/92-11/23/98	8	0.09	0.103	0.2	0.025	0.004	0.063	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	03/17/92-11/23/98	8	6.5	6.5	6.9	6.1	0.06	0.245	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	03/17/92-11/23/98	8	6.5	6.44	6.9	6.1	0.064	0.253	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/17/92-11/23/98	8	0.316	0.363	0.794	0.126	0.044	0.209	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	8	9.	9.625	15.	7.	8.839	2.973	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	03/17/92-11/23/98	8	77.5	81.25	124.	58.	418.5	20.457	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	03/17/92-11/23/98	8	26.5	25.	35.	14.	53.429	7.309	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	03/17/92-11/23/98	8	55.	56.25	92.	40.	286.214	16.918	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/17/92-11/23/98	8	5.	14.75	71.	3.	537.643	23.187	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/17/92-11/23/98	8	1.5	2.938	11.	1.	11.246	3.353	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	03/17/92-11/23/98	8	4.	12.	60.	2.	390.286	19.756	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/92-11/23/98	8##	0.02	0.036	0.1	0.02	0.001	0.028	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	8##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	8	0.05	0.07	0.16	0.02	0.003	0.051	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	8	0.35	0.363	0.7	0.1	0.034	0.185	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	8##	0.05	0.056	0.1	0.05	0.	0.018	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	7	22.	24.286	36.	18.	36.571	6.047	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	03/17/92-11/23/98	7	9.	8.571	12.	5.	4.952	2.225	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	03/17/92-11/23/98	7	9.	9.857	15.	7.	6.81	2.61	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	8	200.	368.75	1200.	50.	186383.929	431.722	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	8	2.301	2.329	3.079	1.699	0.224	0.474	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		213.518								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	8	0.03	0.029	0.04	0.02	0.	0.008	**	**	**	**

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

Station Inventory for Station: FRSP0014

NPS Station ID: FRSP0014 LAT/LON: 38.223059/ -77.430281 Agency: 12NSS Date Created: 10/22/88
Location: NO NAME FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3B048082L /3B03B048082L
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 20 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID AND DATA LIMITAITONS ARE DESCRIBED IN: IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED. SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN;

Parameter Inventory for Station: FRSP0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/86-04/04/86	2	12.1	12.1	16.	8.2	30.42	5.515	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	03/21/86-04/04/86	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/21/86-04/04/86	2	25.	25.	35.	15.	200.	14.142	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/86-04/04/86	2	35.	35.	37.	33.	8.	2.828	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/86-04/04/86	2	10.8	10.8	11.6	10.	1.28	1.131	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/21/86-04/04/86	2	5.75	5.75	5.8	5.7	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/21/86-04/04/86	2	5.747	5.747	5.8	5.7	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/86-04/04/86	2	1.79	1.79	1.995	1.585	0.084	0.29	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	03/21/86-04/04/86	2	21.05	21.05	30.5	11.6	178.605	13.364	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/21/86-04/04/86	2	0.7	0.7	0.9	0.5	0.08	0.283	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/86-04/04/86	2	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/21/86-04/04/86	2	2.5	2.5	3.1	1.9	0.72	0.849	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/21/86-04/04/86	2	0.3	0.3	0.4	0.2	0.02	0.141	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/86-04/04/86	2	1.25	1.25	1.3	1.2	0.005	0.071	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/86-04/04/86	2	1.25	1.25	1.3	1.2	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/86-04/04/86	2	1.96	1.96	2.05	1.87	0.016	0.127	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/21/86-04/04/86	2	1.095	1.095	1.13	1.06	0.002	0.049	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/21/86-04/04/86	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/21/86-04/04/86	2	8.65	8.65	8.8	8.5	0.045	0.212	**	**	**	**

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

Parameter Inventory for Station: FRSP0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950 FLUORIDE, DISSOLVED (MG/L AS F)	03/21/86-04/04/86	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	03/21/86-04/04/86	2	14.7	14.7	15.3	14.1	0.72	0.849	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	03/21/86-04/04/86	2	69.45	69.45	82.9	56.	361.805	19.021	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	03/21/86-04/04/86	2	209.5	209.5	218.	201.	144.5	12.021	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/21/86-04/04/86	2	0.75	0.75	1.4	0.1	0.845	0.919	**	**	**	**
71885 IRON (UG/L AS FE)	03/21/86-04/04/86	2	80.945	80.945	113.92	47.97	2174.701	46.634	**	**	**	**
72020 ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/21/86-04/04/86	2	65.	65.	65.	65.	0.	0.	**	**	**	**
82079 TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/21/86-04/04/86	2	2.95	2.95	3.7	2.2	1.125	1.061	**	**	**	**
83509 STREAM, WIDTH METER	03/21/86-04/04/86	2	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0014

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
	Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	2	1.00				1	1	1.00	1	1	1.00			
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				1	0	0.00	1	0	0.00			
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00				1	0	0.00	1	0	0.00			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00				1	0	0.00	1	0	0.00			

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

Station Inventory for Station: FRSP0015

NPS Station ID: FRSP0015 LAT/LON: 38.269726/ -77.430281 Agency: 21VASWCB Date Created: / /
Location: BUOY 121 FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP108.06 /VA3-01-X0048/VA3-3X0048
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 2.150 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/02/68-08/28/74	38	26.7	24.329	32.2	8.9	28.737	5.361	17.74	20.	27.925	30.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		06/02/71-07/02/71	2	18.75	18.75	29.	8.5	210.125	14.496	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/02/68-08/28/74	37	7.4	7.435	11.8	3.1	2.926	1.71	5.6	6.6	8.45	9.4
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/31/69-09/03/70	6	2.05	2.2	3.6	0.8	0.892	0.944	**	**	**	**
00400 PH (STANDARD UNITS)		07/02/68-08/28/74	37	7.	7.032	8.4	6.6	0.119	0.345	6.7	6.8	7.15	7.54
00400 CONVERTED PH (STANDARD UNITS)		07/02/68-08/28/74	37	7.	6.944	8.4	6.6	0.127	0.356	6.7	6.8	7.15	7.54
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/02/68-08/28/74	37	0.1	0.114	0.251	0.004	0.003	0.058	0.029	0.071	0.158	0.2
00403 PH, LAB, STANDARD UNITS	SU	03/31/69-09/03/70	6	6.5	6.517	6.9	6.2	0.066	0.256	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		03/31/69-09/03/70	6	6.5	6.458	6.9	6.2	0.07	0.264	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/31/69-09/03/70	6	0.316	0.348	0.631	0.126	0.035	0.188	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/31/69-09/03/70	6	18.	19.667	29.	13.	41.067	6.408	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		03/31/69-09/13/71	6	173.5	189.167	293.	88.	5816.567	76.266	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		03/31/69-09/13/71	6	42.	44.5	73.	26.	295.1	17.178	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		03/31/69-09/13/71	6	120.	144.667	253.	62.	5590.267	74.768	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	20.	35.5	117.	5.	1694.7	41.167	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/31/69-09/13/71	5	7.	8.4	14.	2.	22.3	4.722	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		03/31/69-09/13/71	6	13.	28.5	103.	3.	1452.7	38.114	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/13/70-08/28/74	28	0.14	0.165	0.7	0.01	0.023	0.151	0.049	0.05	0.195	0.39
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/13/70-08/28/74	29	0.01	0.013	0.08	0.005	0.	0.014	0.005	0.005	0.015	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/13/70-08/28/74	29	0.48	0.452	1.019	0.07	0.056	0.237	0.13	0.255	0.565	0.79
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-08/28/74	29	0.4	0.479	1.299	0.1	0.09	0.3	0.2	0.25	0.6	0.9
00945 SULFATE, TOTAL (MG/L AS SO4)		06/22/70-08/28/74	26	15.	21.154	75.	6.	266.455	16.323	7.7	10.	24.5	45.4
01002 ARSENIC, TOTAL (UG/L AS AS)		06/02/71-08/01/73	5##	2.5	3.2	6.	2.5	2.45	1.565	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		08/08/71-08/01/73	6##	5.	5.333	7.	5.	0.667	0.816	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		04/13/70-05/08/74	11##	5.	8.182	20.	5.	21.364	4.622	5.	5.	10.	18.
01042 COPPER, TOTAL (UG/L AS CU)		04/13/70-05/08/74	11##	5.	11.364	30.	5.	105.455	10.269	5.	5.	20.	30.
01051 LEAD, TOTAL (UG/L AS PB)		06/02/71-05/08/74	9##	5.	10.556	40.	5.	146.528	12.105	5.	5.	12.5	40.
01055 MANGANESE, TOTAL (UG/L AS MN)		04/13/70-04/13/70	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)		05/17/73-08/01/73	2##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		04/13/70-05/08/74	11	20.	34.091	130.	5.	2089.091	45.707	5.	5.	30.	128.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)		07/02/68-10/07/70	11	11000.	67914.545	460000.	230.	19241789747.273	138714.778	270.	1500.	93000.	398000.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150		07/02/68-10/07/70	11	4.041	3.945	5.663	2.362	1.054	1.026	2.416	3.176	4.968	5.565
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506				GEOMETRIC MEAN =	8817.913								

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

Parameter Inventory for Station: FRSP0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-08/28/74	24	550.	860.417	6000.	50.	1542821.558	1242.104	50.	100.	1200.	1800.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-08/28/74	24	2.739	2.566	3.778	1.699	0.395	0.628	1.699	2.	3.079	3.255
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	367.942								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-08/28/74	29##	0.05	0.064	0.1	0.05	0.001	0.023	0.05	0.05	0.1	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-08/28/74	29	0.05	0.052	0.16	0.01	0.001	0.029	0.02	0.035	0.055	0.1
71900 MERCURY, TOTAL (UG/L AS HG)	09/03/70-05/08/74	11##	0.25	0.291	0.7	0.25	0.018	0.136	0.25	0.25	0.25	0.61

** - 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: FRSP0015

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00				1	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	37	3	0.08	25	3	0.12	1	0	0.00	11	0	0.00			
00400 PH	Fresh Chronic	9.	37	0	0.00	25	0	0.00	1	0	0.00	11	0	0.00			
	Other-Lo Lim.	6.5	37	0	0.00	25	0	0.00	1	0	0.00	11	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	6	4	0.67	2	1	0.50	1	0	0.00	3	3	1.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	29	0	0.00	18	0	0.00				11	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	29	0	0.00	18	0	0.00				11	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	18	0	0.00				8	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	3	0	0.00				2	0	0.00			
	Drinking Water	50.	5	0	0.00	3	0	0.00				2	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1&	1	1.00	1	1	1.00									
	Drinking Water	5.	1&	1	1.00	1	1	1.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	11	0	0.00	6	0	0.00				5	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	11	3	0.27	6	1	0.17				5	2	0.40			
	Drinking Water	1300.	11	0	0.00	6	0	0.00				5	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	6	0	0.00				3	0	0.00			
	Drinking Water	15.	9	2	0.22	6	2	0.33				3	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00	1	0	0.00				1	0	0.00			
	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	11	2	0.18	6	2	0.33				5	0	0.00			
	Drinking Water	5000.	11	0	0.00	6	0	0.00				5	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	11	9	0.82	6	4	0.67	1	1	1.00	4	4	1.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	24	16	0.67	16	10	0.63				8	6	0.75			
71900 MERCURY, TOTAL	Fresh Acute	2.4	11	0	0.00	7	0	0.00				4	0	0.00			
	Drinking Water	2.	11	0	0.00	7	0	0.00				4	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/74-06/15/88	17	25.6	20.994	31.7	2.2	103.118	10.155	2.68	14.7	28.3	31.14
00400 PH (STANDARD UNITS)	09/26/74-06/01/88	16	7.35	7.35	8.5	7.	0.129	0.36	7.	7.05	7.475	7.8
00400 CONVERTED PH (STANDARD UNITS)	09/26/74-06/01/88	16	7.347	7.258	8.5	7.	0.138	0.372	7.	7.05	7.475	7.8
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/26/74-06/01/88	16	0.045	0.055	0.1	0.003	0.001	0.03	0.023	0.034	0.091	0.1
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/15/88	15	14.	21.933	88.	1.	619.067	24.881	2.8	7.	28.	77.2
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/19/75-06/15/88	14	5.	5.786	12.	1.	14.489	3.806	1.5	2.75	9.25	12.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/19/75-06/15/88	15	8.	16.167	76.	0.	502.702	22.421	0.3	2.	22.	66.4
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/26/74-06/15/88	17	0.5	0.541	1.399	0.1	0.124	0.352	0.1	0.3	0.8	1.08
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-06/15/88	17	7.	10.353	67.	3.	218.368	14.777	3.8	5.	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: 4/01 to 6/30 - Station FRSP0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/74-06/15/88	16	23.65	22.456	30.	16.	18.944	4.352	16.35	17.875	24.075	29.23
00400 PH (STANDARD UNITS)	09/26/74-06/01/88	11	7.4	7.482	8.3	7.	0.172	0.414	7.02	7.1	7.7	8.26
00400 CONVERTED PH (STANDARD UNITS)	09/26/74-06/01/88	11	7.4	7.344	8.3	7.	0.192	0.439	7.02	7.1	7.7	8.26
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/26/74-06/01/88	11	0.04	0.045	0.1	0.005	0.001	0.031	0.006	0.02	0.079	0.096
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	8.5	16.417	80.	2.	476.947	21.839	2.15	3.125	18.75	65.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	4.	5.	14.	0.	15.409	3.925	0.6	2.5	7.5	12.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	5.	11.875	70.	0.	393.051	19.826	0.15	1.375	10.5	57.4
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/26/74-06/15/88	12	0.45	0.396	0.7	0.05	0.037	0.194	0.065	0.3	0.5	0.67
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-06/15/88	12	6.	5.558	10.	1.8	7.901	2.811	1.86	2.925	8.	9.7

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

Station Inventory for Station: FRSP0016

NPS Station ID: FRSP0016 LAT/LON: 38.279727/ -77.437781 Agency: 1113RAWQ Date Created: / /
Location: RADIO TOWER NEAR PLANT R1A FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): RAPPAHAN R1A /R1A /RP1A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 1 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK & YORK RIVERS ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 3.040 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: FRSP0016

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/70-08/28/70	1	0.056	0.056	0.056	0.056	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/70-08/28/70	1	0.539	0.539	0.539	0.539	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/70-08/28/70	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	08/28/70-08/28/70	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/70-08/28/70	1	24.7	24.7	24.7	24.7	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/28/70-08/28/70	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0016

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: FRSP0020

NPS Station ID: FRSP0020 LAT/LON: 38.137782/ -77.446115 Agency: 21VASWCB Date Created: / /
Location: RT. 606 BRIDGE FIPS State/County: 51033 VIRGINIA/CAROLINE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 8-PNI002.43 /VA8-03-X0060/VA8-3X0060
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080105 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080105013 RF1 Mile Point: 1.890 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 3 NORTHERN
RIVER: PONI RIVER SECTION: 03 TOPO MAP #: 0029 TOPO MAP NAME: GUINEA, VA

Parameter Inventory for Station: FRSP0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		02/25/75-03/27/91	46	13.5	13.626	27.	0.2	64.506	8.032	1.19	7.65	21.325	23.36
00070 TURBIDITY, (JACKSON CANDLE UNITS)		12/27/90-03/27/91	2	9.45	9.45	10.9	8.	4.205	2.051	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		03/27/91-03/27/91	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		12/27/90-03/27/91	2	57.	57.	57.	57.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	02/25/75-03/27/91	46	8.4	8.854	14.	6.1	4.194	2.048	6.64	7.4	9.8	12.21
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/08/79-03/27/91	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	12/27/90-03/27/91	2	14.5	14.5	17.	12.	12.5	3.536	**	**	**	**
00400 PH (STANDARD UNITS)		02/25/75-03/27/91	46	6.9	6.922	7.7	6.3	0.129	0.359	6.5	6.6	7.225	7.43
00400 CONVERTED PH (STANDARD UNITS)		02/25/75-03/27/91	46	6.9	6.796	7.7	6.3	0.145	0.381	6.5	6.6	7.225	7.43
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/25/75-03/27/91	46	0.126	0.16	0.501	0.02	0.013	0.114	0.037	0.06	0.251	0.316
00403 PH, LAB, STANDARD UNITS	SU	12/27/90-03/27/91	2	6.45	6.45	6.7	6.2	0.125	0.354	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		12/27/90-03/27/91	2	6.382	6.382	6.7	6.2	0.134	0.367	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		12/27/90-03/27/91	2	0.415	0.415	0.631	0.2	0.093	0.305	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		12/27/90-03/27/91	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		08/19/76-03/27/91	3	61.	86.333	141.	57.	2245.333	47.385	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		08/19/76-03/27/91	3	29.	63.	136.	24.	4003.	63.269	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		08/19/76-03/27/91	3	32.	23.333	33.	5.	252.333	15.885	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		12/27/90-03/27/91	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		12/27/90-03/27/91	2##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		12/27/90-03/27/91	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/06/75-03/27/91	44##	0.05	0.05	0.1	0.02	0.	0.009	0.05	0.05	0.05	0.05
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/06/75-03/27/91	44##	0.005	0.007	0.03	0.005	0.	0.005	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/06/75-03/27/91	18	0.095	0.088	0.17	0.025	0.002	0.043	0.025	0.048	0.113	0.152
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/06/75-03/27/91	44	0.3	0.335	0.8	0.05	0.021	0.145	0.2	0.2	0.4	0.5
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/26/76-06/27/79	26##	0.06	0.065	0.16	0.025	0.002	0.044	0.025	0.025	0.095	0.136
00665 PHOSPHORUS, TOTAL (MG/L AS P)		12/27/90-03/27/91	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		12/27/90-03/27/91	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		12/27/90-03/27/91	2	5.45	5.45	6.	4.9	0.605	0.778	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		04/16/79-03/27/91	3	13.	15.	20.	12.	19.	4.359	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		04/16/79-04/16/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	12/27/90-03/27/91	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		12/27/90-03/27/91	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)		12/27/90-03/27/91	2##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**

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

Parameter Inventory for Station: FRSP0017

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012 BERYLLIUM, TOTAL (UG/L AS BE)	04/17/90-04/17/90	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01013 BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/17/90-04/17/90	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	06/06/85-04/17/90	2##	2.25	2.25	2.5	2.	0.125	0.354	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	2##	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	2	15.6	15.6	22.2	9.	87.12	9.334	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/06/85-04/17/90	2##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	06/06/85-04/17/90	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/06/85-04/17/90	2	11.55	11.55	21.1	2.	182.405	13.506	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	06/06/85-04/17/90	2	11545.	11545.	14000.	9090.	12054050.	3471.894	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	06/06/85-04/17/90	2##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/06/85-04/17/90	2	16.65	16.65	29.3	4.	320.045	17.89	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/90-04/17/90	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	06/06/85-04/17/90	2	1075.	1075.	1100.	1050.	1250.	35.355	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	04/17/90-04/17/90	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	06/06/85-04/17/90	2##	26.25	26.25	50.	2.5	1128.125	33.588	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	2	6.35	6.35	11.7	1.	57.245	7.566	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	06/06/85-04/17/90	2##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/06/85-04/17/90	2	120.1	120.1	228.2	12.	23371.22	152.876	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	04/17/90-04/17/90	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/17/90-04/17/90	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/06/85-06/06/85	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/06/85-06/06/85	1	3.477	3.477	3.477	3.477	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		3000.								
34480 THALLIUM DRY WGTBOTMG/KG	04/17/90-04/17/90	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	06/06/85-04/17/90	2##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/06/85-04/17/90	2##	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: FRSP0017

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403 PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
	Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00							2	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00							2	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00							2	0	0.00			
	Drinking Water	50.	2	0	0.00							2	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00							1	0	0.00			
	Drinking Water	4.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00							2	0	0.00			
	Drinking Water	5.	2	0	0.00							2	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00							2	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	2	0	0.00							2	0	0.00			
	Drinking Water	1300.	2	0	0.00							2	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	2	0	0.00							2	0	0.00			
	Drinking Water	15.	2	0	0.00							2	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	2.	0&	0	0.00												
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00							2	0	0.00			
	Drinking Water	100.	2	0	0.00							2	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00							2	0	0.00			
	Drinking Water	5000.	2	0	0.00							2	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	9	22.8	20.622	26.5	2.8	47.974	6.926	2.8	20.55	23.7	26.5
00300	OXYGEN, DISSOLVED MG/L	02/25/75-03/27/91	9	7.	7.267	9.	6.1	0.978	0.989	6.1	6.4	8.05	9.
00400	PH (STANDARD UNITS)	02/25/75-03/27/91	9	7.3	7.122	7.7	6.5	0.174	0.418	6.5	6.65	7.4	7.7
00400	CONVERTED PH (STANDARD UNITS)	02/25/75-03/27/91	9	7.3	6.941	7.7	6.5	0.211	0.46	6.5	6.65	7.4	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/25/75-03/27/91	9	0.05	0.114	0.316	0.02	0.012	0.11	0.02	0.04	0.225	0.316
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	9##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	9	0.3	0.378	0.6	0.2	0.017	0.13	0.2	0.3	0.5	0.6

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	21	8.3	7.414	15.	0.2	28.197	5.31	0.52	1.8	12.1	14.5
00300	OXYGEN, DISSOLVED MG/L	02/25/75-03/27/91	21	9.6	10.067	14.	6.9	4.959	2.227	7.	8.3	11.9	13.64
00400	PH (STANDARD UNITS)	02/25/75-03/27/91	21	6.7	6.777	7.7	6.3	0.105	0.324	6.404	6.55	7.	7.24
00400	CONVERTED PH (STANDARD UNITS)	02/25/75-03/27/91	21	6.7	6.685	7.7	6.3	0.114	0.338	6.404	6.55	7.	7.24
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/25/75-03/27/91	21	0.2	0.206	0.501	0.02	0.015	0.123	0.06	0.1	0.284	0.395
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	20##	0.05	0.048	0.05	0.02	0.	0.007	0.041	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	20##	0.005	0.007	0.03	0.005	0.	0.006	0.005	0.005	0.005	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	20	0.3	0.298	0.5	0.05	0.015	0.122	0.2	0.2	0.4	0.5

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	16	18.9	17.844	27.	7.2	27.971	5.289	10.21	13.25	22.375	24.41
00300	OXYGEN, DISSOLVED MG/L	02/25/75-03/27/91	16	8.2	8.156	11.	6.5	1.357	1.165	6.71	7.4	8.675	10.16
00400	PH (STANDARD UNITS)	02/25/75-03/27/91	16	6.95	7.	7.5	6.5	0.093	0.306	6.57	6.725	7.275	7.5
00400	CONVERTED PH (STANDARD UNITS)	02/25/75-03/27/91	16	6.947	6.906	7.5	6.5	0.103	0.321	6.57	6.725	7.275	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/25/75-03/27/91	16	0.113	0.124	0.316	0.032	0.007	0.082	0.032	0.053	0.189	0.271
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	15##	0.05	0.053	0.1	0.05	0.	0.013	0.05	0.05	0.05	0.07
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	15##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	15	0.3	0.36	0.8	0.1	0.031	0.176	0.16	0.2	0.4	0.68

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

Station Inventory for Station: FRSP0018

NPS Station ID: FRSP0018 LAT/LON: 38.282781/ -77.442782 Agency: 21VASWCB Date Created: / /
Location: 100 YARDS BELOW FMC DISCHARGE
FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 3-RPP107.33 /VA3-01-X0047/VA3-3X0047
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 3.390 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/26/74-06/15/88	33	24.	21.703	31.7	2.2	60.99	7.81	7.12	17.	27.9	29.76
00078 TRANSPARENCY, SECCHI DISC (METERS)		05/03/88-06/15/88	3	1.25	1.333	2.	0.75	0.396	0.629	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/03/88-06/15/88	7	58.	57.571	60.	55.	6.286	2.507	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-06/15/88	2	73.	73.	80.	66.	98.	9.899	**	**	**	**
00096 SALINITY AT 25 DEGREES C (MG/ML)		05/03/88-06/15/88	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	06/01/88-06/15/88	4	7.35	7.35	8.	6.7	0.417	0.645	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	09/26/74-06/13/79	27	7.6	6.996	9.9	0.	7.285	2.699	0.64	6.2	8.8	9.3
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/29/75-06/13/79	27	2.	4.593	64.	1.	143.712	11.988	1.	1.	3.	6.2
00400 PH (STANDARD UNITS)		09/26/74-06/01/88	27	7.4	7.404	8.5	7.	0.145	0.381	7.	7.1	7.5	8.14
00400 CONVERTED PH (STANDARD UNITS)		09/26/74-06/01/88	27	7.4	7.291	8.5	7.	0.158	0.398	7.	7.1	7.5	8.14
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/26/74-06/01/88	27	0.04	0.051	0.1	0.003	0.001	0.03	0.007	0.032	0.079	0.1
00403 PH, LAB, STANDARD UNITS	SU	05/29/75-05/29/75	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		05/29/75-05/29/75	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/29/75-05/29/75	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		05/29/75-05/29/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND		08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		06/19/75-07/28/75	3	149.	181.	301.	93.	11584.	107.629	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		06/19/75-07/28/75	3	72.	80.	149.	19.	4273.	65.368	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		06/19/75-07/28/75	3	77.	101.	152.	74.	1953.	44.193	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		06/19/75-06/15/88	27	10.	19.481	88.	1.	542.932	23.301	2.4	6.	20.	72.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		06/19/75-06/15/88	26	4.	5.423	14.	0.	14.474	3.804	1.7	2.5	8.25	12.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		06/19/75-06/15/88	27	7.	14.259	76.	0.	441.699	21.017	0.4	2.	13.	62.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		05/03/88-06/15/88	3	0.1	0.15	0.28	0.07	0.013	0.114	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/26/74-06/13/79	26	0.1	0.225	0.9	0.05	0.056	0.238	0.05	0.05	0.3	0.73
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-06/15/88	3	0.03	0.03	0.04	0.02	0.	0.01	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		09/26/74-06/13/79	27##	0.005	0.018	0.14	0.005	0.001	0.028	0.005	0.005	0.02	0.052
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		05/03/88-06/15/88	3##	0.02	0.16	0.44	0.02	0.059	0.242	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/26/74-09/23/76	12	0.39	0.431	0.79	0.005	0.042	0.205	0.088	0.325	0.56	0.763
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/26/74-06/15/88	29	0.5	0.481	1.399	0.05	0.091	0.301	0.1	0.3	0.55	1.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/12/76-06/13/79	15	0.6	0.515	1.7	0.09	0.192	0.438	0.096	0.13	0.7	1.22
00665 PHOSPHORUS, TOTAL (MG/L AS P)		05/03/88-06/15/88	3	0.04	0.037	0.04	0.03	0.	0.006	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		05/03/88-06/15/88	3	0.02	0.017	0.02	0.01	0.	0.006	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		05/03/88-06/15/88	3	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0021

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
00400 PH	Fresh Chronic	9.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
	Other-Lo Lim.	6.5	7	2	0.29	5	2	0.40	1	0	0.00	1	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
	Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	5	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			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	3	0.60	4	2	0.50	1	1	1.00						

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

EPA Water Quality Criteria Analysis for Station: FRSP0018

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
01092 ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
	Drinking Water	5000.	3	0	0.00	1	0	0.00				2	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	27	10	0.37	17	7	0.41				10	3	0.30			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	7	0	0.00	5	0	0.00				2	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00				2	0	0.00			
	Drinking Water	2.	3	0	0.00	1	0	0.00				2	0	0.00			

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

Parameter Inventory for Station: FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940 CHLORIDE,TOTAL IN WATER MG/L	10/22/74-11/23/98	51	16.	47.059	1300.	6.	32307.576	179.743	10.2	14.	27.	39.4
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	131	18.	19.725	53.	1.	94.109	9.701	11.	14.	23.	34.
00951 FLUORIDE, TOTAL (MG/L AS F)	11/14/88-02/17/93	25	0.52	0.515	1.1	0.015	0.122	0.35	0.05	0.165	0.87	1.018
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/11/89-02/17/93	22	18.05	19.132	38.6	13.3	27.219	5.217	14.05	16.95	20.6	23.65
01002 ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	23##	1.5	2.022	5.	0.5	2.556	1.599	0.5	0.5	2.5	5.
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-06/25/97	8	2.	4.981	24.	0.85	60.755	7.795	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-02/17/93	4##	3.75	3.25	5.	0.5	4.75	2.179	**	**	**	**
01013 BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-06/25/97	4##	1.125	1.313	2.	1.	0.217	0.466	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	27##	5.	4.074	10.	0.5	5.302	2.303	0.5	1.5	5.	5.4
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	8##	0.175	0.431	2.2	0.085	0.521	0.722	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	8	11.45	13.305	21.1	7.7	27.57	5.251	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	34##	5.	7.294	25.	0.5	39.941	6.32	0.5	5.	10.	20.
01042 COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	34##	5.	11.912	50.	5.	134.871	11.613	5.	5.	20.	30.
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-06/25/97	8	29.5	55.201	179.	9.41	3896.829	62.425	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/25/70-09/15/94	12	1445.5	1885.75	4900.	500.	1921693.295	1386.252	530.	1212.5	1949.75	4777.
01051 LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	32##	5.	5.844	22.	0.5	21.394	4.625	1.5	4.	5.	10.
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-06/25/97	8	21.3	35.85	83.5	9.8	854.843	29.238	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	04/13/70-09/15/94	12	204.9	181.667	300.	50.	5295.679	72.771	62.	110.	229.75	281.97
01059 THALLIUM, TOTAL (UG/L AS TL)	07/18/83-02/17/93	4##	5.	5.75	10.	3.	8.917	2.986	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-04/10/79	9##	50.	40.556	50.	5.	352.778	18.782	5.	30.	50.	50.
01067 NICKEL, TOTAL (UG/L AS NI)	10/29/79-09/15/94	12##	10.	23.75	110.	5.	936.932	30.609	5.	5.	28.75	92.
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	8	3.63	5.283	10.	2.	11.76	3.429	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	09/20/88-09/20/88	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	34	24.5	29.412	90.	5.	500.916	22.381	5.	8.75	40.	65.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-06/25/97	8	71.35	119.738	308.9	52.5	10622.474	103.065	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/18/83-09/15/94	6##	7.5	6.333	10.	0.5	18.167	4.262	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-06/25/97	5	2.	3.87	8.	1.	12.127	3.482	**	**	**	**
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	20	11000.	18868.	93000.	430.	546101911.579	23368.823	750.	2300.	38250.	43000.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/06/68-07/25/77	20	4.041	3.892	4.968	2.633	0.469	0.685	2.875	3.362	4.57	4.633
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	7797.323								
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	217	100.	1120.742	15000.	0.	5603416.822	2367.154	50.	50.	700.	3940.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	217	2.	2.328	4.176	0.	0.574	0.758	1.699	1.699	2.845	3.595
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	212.683								
32240 TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	3	0.6	0.633	0.7	0.6	0.003	0.058	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34480 THALLIUM DRY WGTBOTMG/KG	05/16/83-06/25/97	5##	1.05	1.65	4.	1.	1.733	1.316	**	**	**	**
34671 PCB - 1016 TOTWUG/L	07/10/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
38442 DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451 DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	07/10/85-08/11/93	3##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-08/11/93	7	0.	0.021	0.05	0.	0.001	0.027	**	**	**	**
39061 PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-06/25/97	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39062 CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39065 CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39068 CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39071 CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39305 O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39315 O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39327 ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	10	0.	0.011	0.05	0.	0.	0.021	0.	0.	0.016	0.05
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-06/25/97	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-06/25/97	3##	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

Station Inventory for Station: FRSP0019

NPS Station ID: FRSP0019 LAT/LON: 38.302503/ -77.444726 Agency: 21VASWCB Date Created: 05/01/93
Location: ROUTE 607 (FREDERICKSBURG CITY) FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-XCJ000.04
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
RIVER: UNNAMED TRIB. TO CLAIBORNE RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/17/90-02/26/91	2	9.95	9.95	12.8	7.1	16.245	4.031	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)		02/26/91-02/26/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		02/26/91-02/26/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/17/90-02/26/91	2	335.	335.	342.	328.	98.	9.899	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/17/90-02/26/91	2	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/17/90-02/26/91	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	04/17/90-02/26/91	2	21.	21.	22.	20.	2.	1.414	**	**	**	**
00400 PH (STANDARD UNITS)		02/26/91-02/26/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		02/26/91-02/26/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/26/91-02/26/91	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/17/90-02/26/91	2	7.35	7.35	7.4	7.3	0.005	0.071	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/17/90-02/26/91	2	7.347	7.347	7.4	7.3	0.005	0.071	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/17/90-02/26/91	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/17/90-02/26/91	2	101.	101.	104.	98.	18.	4.243	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		02/26/91-02/26/91	1	212.	212.	212.	212.	0.	0.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		02/26/91-02/26/91	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		02/26/91-02/26/91	1	164.	164.	164.	164.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L		04/17/90-02/26/91	2	194.	194.	196.	192.	8.	2.828	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		04/17/90-02/26/91	2	12.5	12.5	14.	11.	4.5	2.121	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		04/17/90-02/26/91	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		04/17/90-02/26/91	2	6.5	6.5	9.	4.	12.5	3.536	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/17/90-02/26/91	2	3.75	3.75	3.75	3.75	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		04/17/90-02/26/91	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		04/17/90-02/26/91	2	1.665	1.665	1.76	1.57	0.018	0.134	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/17/90-02/26/91	2	4.25	4.25	4.5	4.	0.125	0.354	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/17/90-02/26/91	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		04/17/90-02/26/91	2	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		04/17/90-02/26/91	2	6.55	6.55	7.	6.1	0.405	0.636	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		04/17/90-02/26/91	2	56.	56.	106.	6.	5000.	70.711	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	02/26/91-02/26/91	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		02/26/91-02/26/91	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)		02/26/91-02/26/91	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		04/17/90-02/26/91	2	19.35	19.35	21.7	17.	11.045	3.323	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	4	0	0.00	3	0	0.00	1	0	0.00						
	Drinking Water	4.	2&	0	0.00	2	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	9&	1	0.11	7	0	0.00	1	0	0.00	1	1	1.00			
	Drinking Water	5.	9&	1	0.11	7	0	0.00	1	0	0.00	1	1	1.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	34	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	32&	7	0.22	11	4	0.36	11	1	0.09	10	2	0.20			
	Drinking Water	1300.	34	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	32	0	0.00	12	0	0.00	13	0	0.00	7	0	0.00			
	Drinking Water	15.	32	2	0.06	12	1	0.08	13	1	0.08	7	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00	1	0	0.00						
	Drinking Water	2.	1&	1	1.00	1	1	1.00									
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00				6	0	0.00	3	0	0.00			
	Drinking Water	100.	9	0	0.00				6	0	0.00	3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	9	0	0.00	3	0	0.00						
	Drinking Water	100.	12	1	0.08	9	0	0.00	3	1	0.33						
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.	34	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00			
	Drinking Water	5000.	34	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00	4	0	0.00	2	0	0.00						
	Drinking Water	50.	6	0	0.00	4	0	0.00	2	0	0.00						
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	20	16	0.80	11	8	0.73	4	4	1.00	5	4	0.80			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	217	93	0.43	63	33	0.52	100	39	0.39	54	21	0.39			
34356 ENDOSULFAN, BETA	Fresh Acute	0.22	3	0	0.00	3	0	0.00									
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	3	0	0.00	3	0	0.00									
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	1.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	10	0	0.00	8	0	0.00	1	0	0.00	1	0	0.00			
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	3	0	0.00	3	0	0.00									
	Drinking Water	0.2	3	0	0.00	3	0	0.00									
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	3	0	0.00	3	0	0.00									
	Drinking Water	3.	3	0	0.00	3	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00									
	Drinking Water	0.4	3	0	0.00	3	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00									
	Drinking Water	0.2	3	0	0.00	3	0	0.00									
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00									
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	1.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	3	0	0.00	3	0	0.00									
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	3	0	0.00	3	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			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	73	57	0.78	22	21	0.95	26	14	0.54	25	22	0.88			
71900 MERCURY, TOTAL	Fresh Acute	2.4	32	0	0.00	13	0	0.00	12	0	0.00	7	0	0.00			
	Drinking Water	2.	32	0	0.00	13	0	0.00	12	0	0.00	7	0	0.00			
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	9	0	0.00	2	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

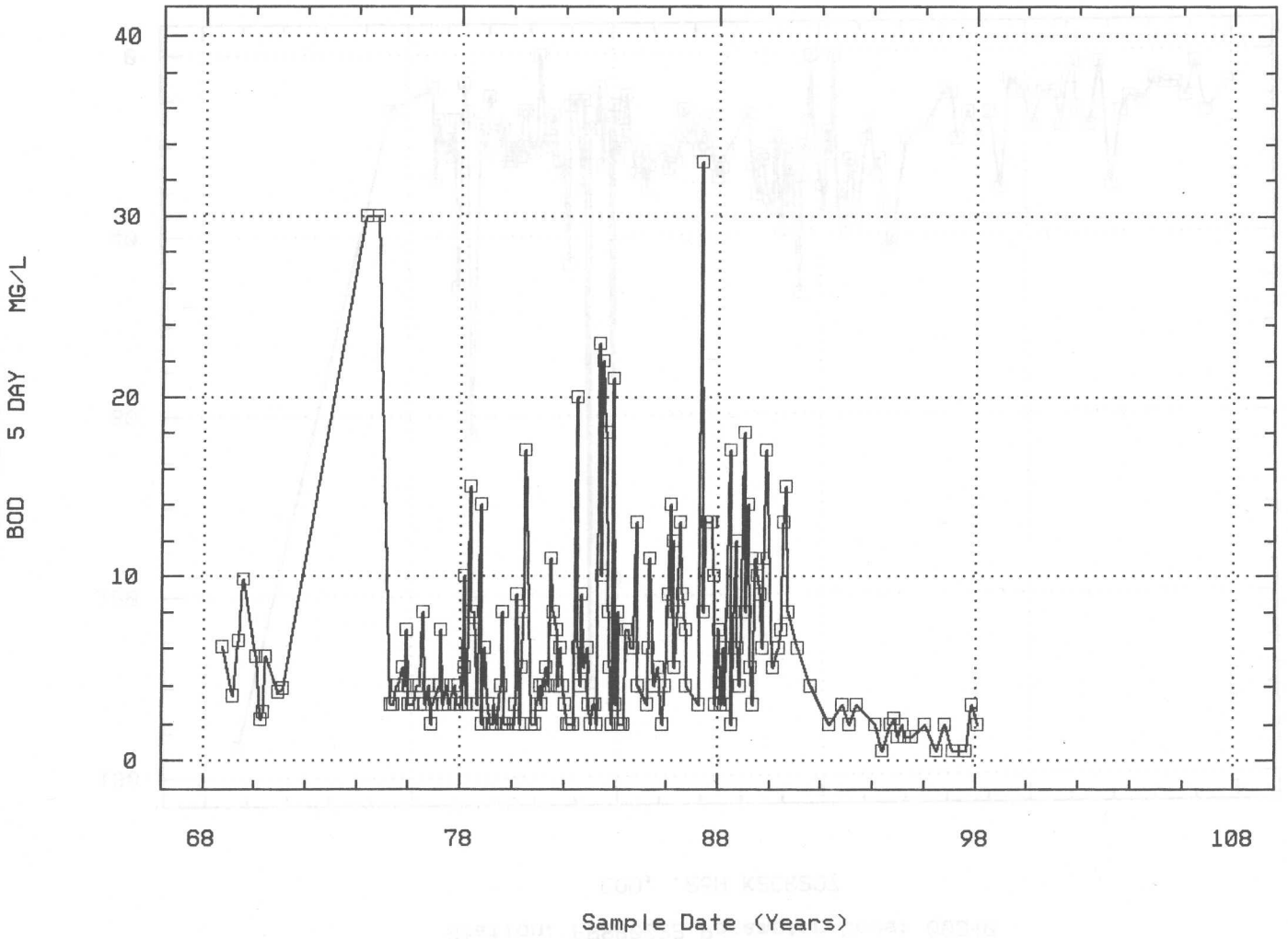
EPA Water Quality Criteria Analysis for Station: FRSP0019

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00				1	0	0.00	1	0	0.00			
	Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				1	0	0.00	1	0	0.00			
	Drinking Water	5000.	2	0	0.00				1	0	0.00	1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00				1	0	0.00	1	0	0.00			
	Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00				1	0	0.00	1	0	0.00			
	Drinking Water	2.	2	0	0.00				1	0	0.00	1	0	0.00			

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

Station: FRSP0022 Parameter Code: 00310

BOD, 5 DAY, 20 DEG C



RT. 3 BRIDGE

Parameter Inventory for Station: FRSP0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955 SILICA, DISSOLVED (MG/L AS SI02)	12/27/90-03/27/91	2	12.1	12.1	12.7	11.5	0.72	0.849	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	10/21/75-04/16/79	6##	1.	1.083	1.5	1.	0.042	0.204	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/06/75-04/16/79	7##	5.	5.286	7.	5.	0.571	0.756	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-04/16/79	7##	5.	7.143	20.	5.	32.143	5.669	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/06/75-04/16/79	7##	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/06/78-04/16/79	2	900.	900.	900.	900.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/06/75-04/16/79	7	4.	5.643	11.	1.5	13.893	3.727	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	11/06/78-04/16/79	2	225.	225.	380.	70.	48050.	219.203	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/06/75-04/16/79	7##	50.	45.714	50.	20.	128.571	11.339	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/06/75-04/16/79	7	10.	10.714	20.	5.	45.238	6.726	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/25/75-06/27/79	41##	50.	237.805	4200.	50.	464597.561	681.614	50.	50.	100.	300.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/25/75-06/27/79	41##	1.699	1.935	3.623	1.699	0.207	0.455	1.699	1.699	2.	2.477
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		86.067								
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-08/09/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/06/75-06/27/79	41##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/06/75-06/27/79	42##	0.01	0.017	0.06	0.005	0.	0.016	0.005	0.005	0.02	0.05
71900 MERCURY, TOTAL (UG/L AS HG)	05/06/75-04/16/79	7##	0.25	0.614	3.	0.15	1.109	1.053	**	**	**	**

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

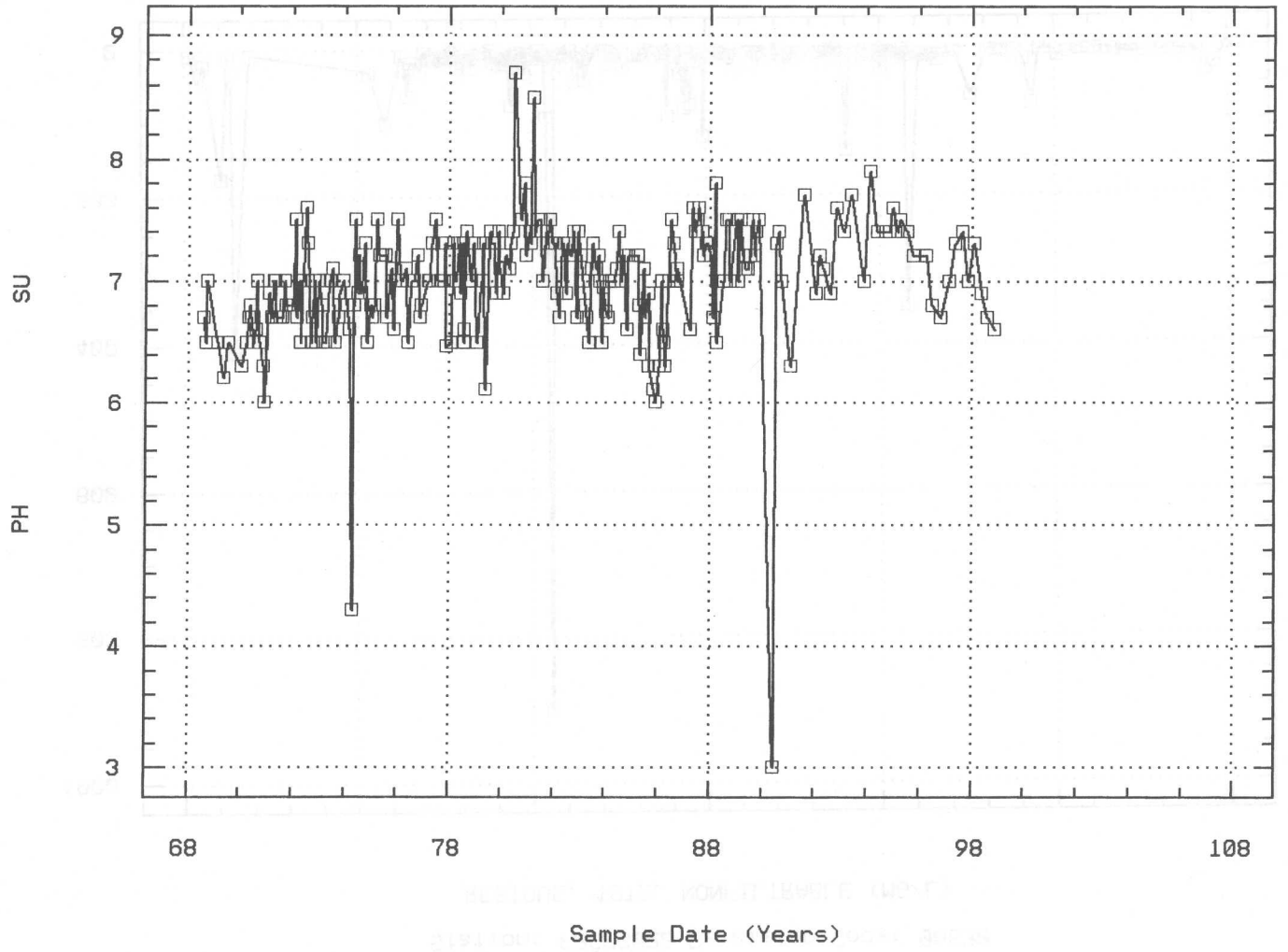
EPA Water Quality Criteria Analysis for Station: FRSP0020

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00				2	0	0.00						
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	46	0	0.00	9	0	0.00	21	0	0.00	16	0	0.00			
00400 PH	Fresh Chronic	9.	46	0	0.00	9	0	0.00	21	0	0.00	16	0	0.00			
	Other-Lo Lim.	6.5	46	7	0.15	9	1	0.11	21	5	0.24	16	1	0.06			
00403 PH, LAB	Fresh Chronic	9.	2	0	0.00				2	0	0.00						
	Other-Lo Lim.	6.5	2	1	0.50				2	1	0.50						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	44	0	0.00	9	0	0.00	20	0	0.00	15	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	18	0	0.00	5	0	0.00	7	0	0.00	6	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	26	0	0.00	4	0	0.00	13	0	0.00	9	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				2	0	0.00						
	Drinking Water	250.	2	0	0.00				2	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00				2	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00				3	0	0.00	3	0	0.00			
	Drinking Water	50.	6	0	0.00				3	0	0.00	3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00				3	0	0.00	4	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	7	0	0.00				3	0	0.00	4	0	0.00			
	Drinking Water	1300.	7	0	0.00				3	0	0.00	4	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	7	0	0.00				3	0	0.00	4	0	0.00			
	Drinking Water	15.	7	0	0.00				3	0	0.00	4	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00				3	0	0.00	4	0	0.00			
	Drinking Water	100.	7	0	0.00				3	0	0.00	4	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	7	0	0.00				3	0	0.00	4	0	0.00			
	Drinking Water	5000.	7	0	0.00				3	0	0.00	4	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	41	9	0.22	9	1	0.11	17	3	0.18	15	5	0.33			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	7	1	0.14				3	1	0.33	4	0	0.00			
	Drinking Water	2.	7	1	0.14				3	1	0.33	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: FRSP0022 Parameter Code: 00400

PH (STANDARD UNITS)



RT. 3 BRIDGE

Station Inventory for Station: FRSP0021

NPS Station ID: FRSP0021 LAT/LON: 38.311670/ -77.447781 Agency: 21VASWCB Date Created: 05/01/93
Location: ROUTE 218 (STAFFORD COUNTY) FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-CLB001.35
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
RIVER: CLAIBORNE RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

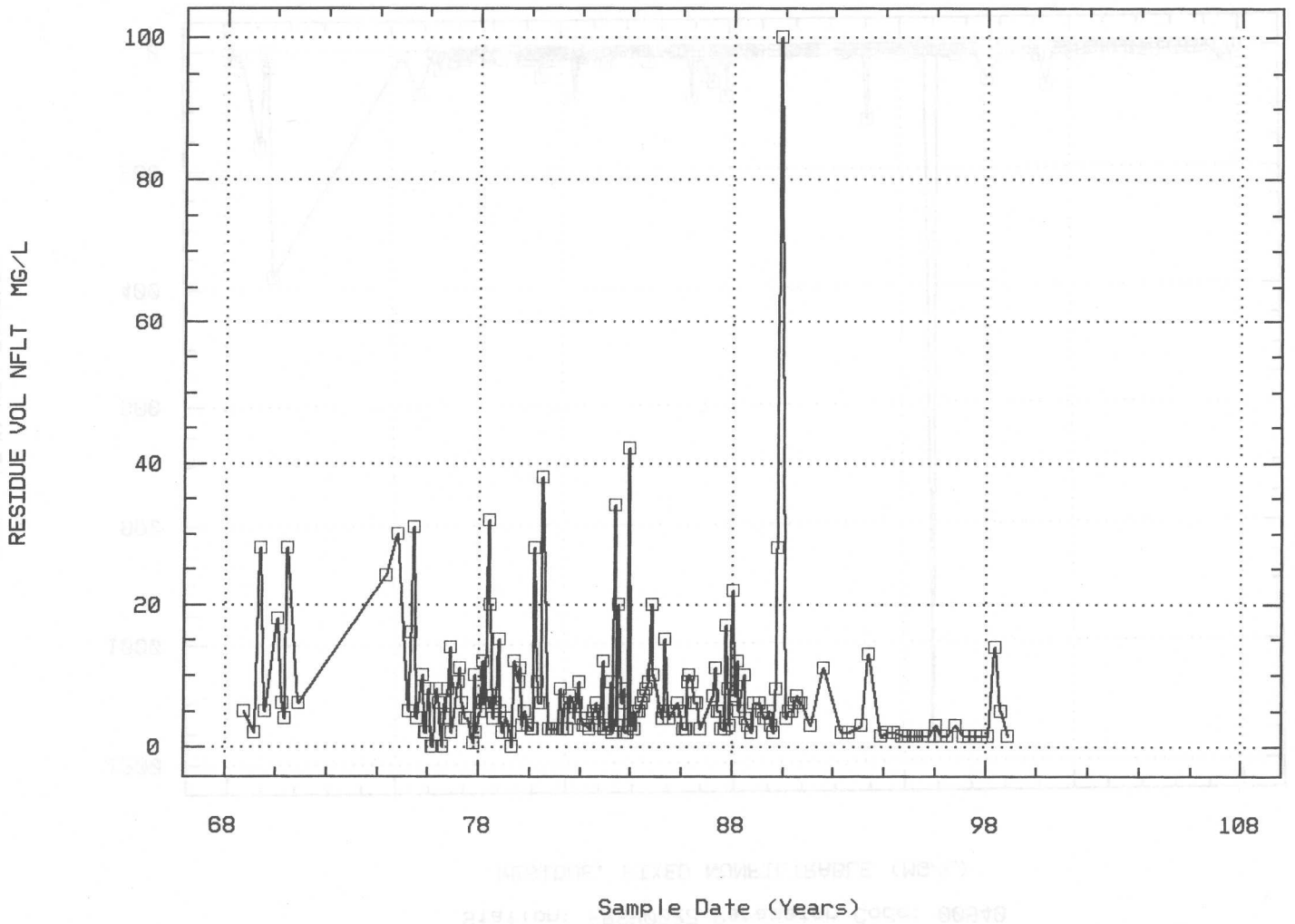
Parameter Inventory for Station: FRSP0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	12/16/74-07/27/78	7	6.7	8.143	12.2	6.2	6.196	2.489	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/16/74-07/27/78	7	3.	2.714	5.	1.	2.905	1.704	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	12/16/74-07/27/78	7	24.	26.286	52.	12.	175.238	13.238	**	**	**	**
00400	PH (STANDARD UNITS)	12/16/74-07/27/78	7	6.7	6.714	7.3	6.5	0.075	0.273	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/16/74-07/27/78	7	6.7	6.66	7.3	6.5	0.078	0.28	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/16/74-07/27/78	7	0.2	0.219	0.316	0.05	0.008	0.091	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/16/74-09/21/76	3	6.3	6.1	6.5	5.5	0.28	0.529	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/16/74-09/21/76	3	6.3	5.877	6.5	5.5	0.354	0.595	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/16/74-09/21/76	3	0.501	1.327	3.162	0.316	2.536	1.592	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/16/74-09/21/76	3	8.	10.333	19.	4.	60.333	7.767	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/16/74-07/27/78	7	94.	143.143	447.	67.	18321.81	135.358	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/16/74-07/27/78	7	30.	43.429	90.	8.	1029.952	32.093	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	12/16/74-07/27/78	7	59.	99.714	357.	10.	13376.238	115.656	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/16/74-07/27/78	7	6.	41.857	262.	2.	9428.81	97.102	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/16/74-07/27/78	7	4.	6.429	24.	2.	61.619	7.85	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/16/74-07/27/78	7	3.	35.429	238.	0.	7980.952	89.336	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/16/74-07/27/78	7	0.5	0.514	1.2	0.1	0.118	0.344	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/16/74-07/27/78	7	0.04	0.044	0.15	0.005	0.002	0.05	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/16/74-07/27/78	7	0.8	0.757	0.95	0.55	0.029	0.169	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/16/74-07/27/78	7	0.9	1.086	1.7	0.7	0.188	0.434	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/16/74-07/27/78	7	0.3	0.3	0.6	0.1	0.027	0.163	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/74-07/27/78	7	0.33	0.296	0.51	0.05	0.02	0.143	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/10/75-07/27/78	6	7.5	7.333	8.	6.	0.667	0.816	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/16/74-04/10/75	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/16/74-07/27/78	5	300.	600.	2200.	50.	823750.	907.607	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/16/74-07/27/78	5	2.477	2.364	3.342	1.699	0.478	0.691	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	231.158								

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

Station: FRSP0022 Parameter Code: 00535

RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station Inventory for Station: FRSP0022

NPS Station ID: FRSP0022 LAT/LON: 38.302781/ -77.448059 Agency: 21VASWCB Date Created: / /
Location: RT. 3 BRIDGE FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-CLB000.50 /VA3-04-X0002/VA3-3X0002
RMI-Indexes: 0215002 002980 Within Park Boundary: No
RMI-Miles: 0109.04 0000.50
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 4.880 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
RIVER: CLAIBORNE RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

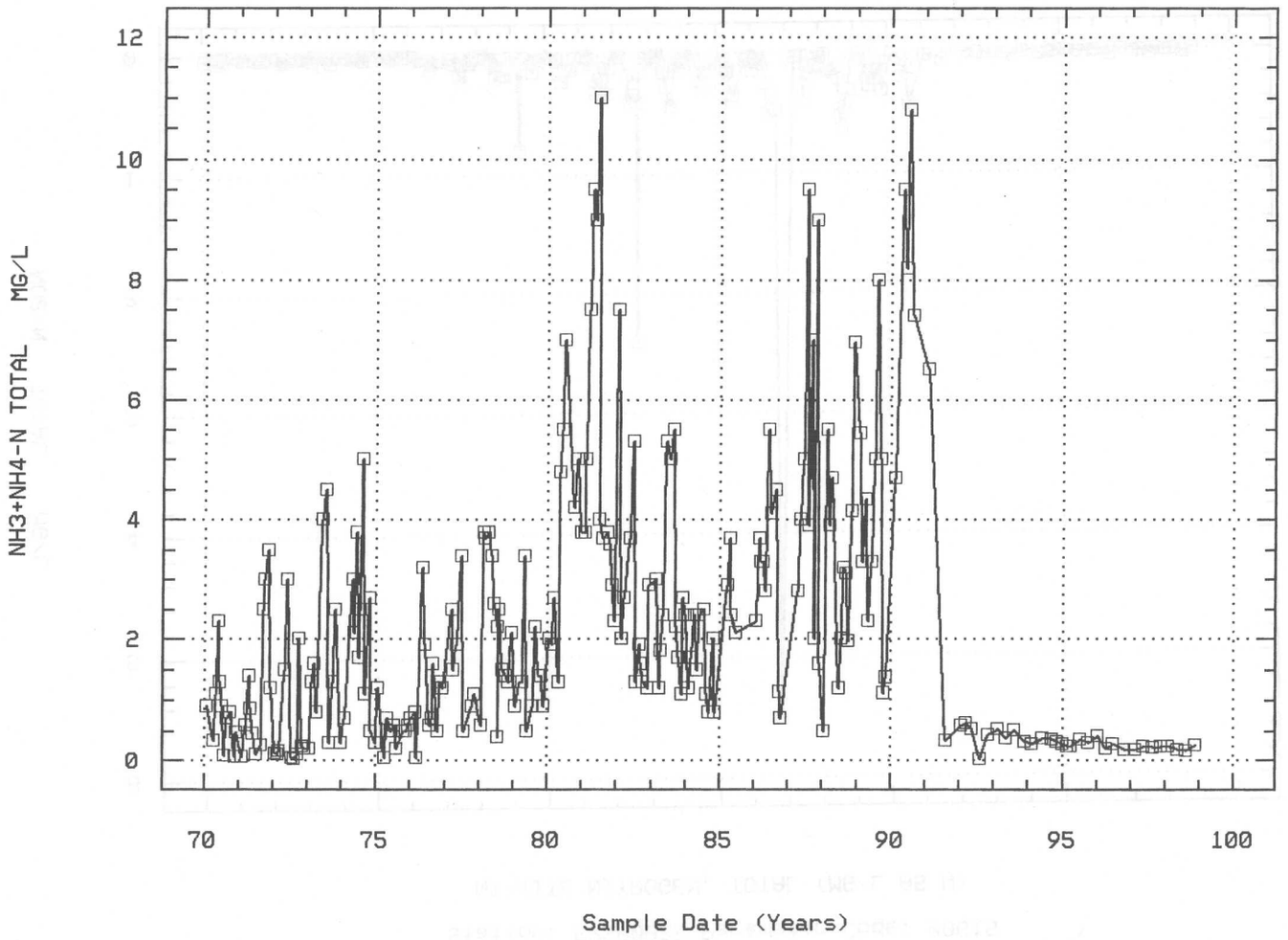
Parameter Inventory for Station: FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	260	15.	14.364	26.7	0.4	48.419	6.958	5.01	7.8	20.375	23.59
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/25/71-03/17/92	29	8.	14.217	70.	3.5	260.209	16.131	4.4	5.05	16.	34.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		09/15/94-11/23/98	19	7.	9.2	40.6	2.1	67.181	8.196	3.9	5.	10.9	14.
00080 COLOR (PLATINUM-COBALT UNITS)		02/13/91-02/17/93	8	60.5	61.875	125.	27.	1084.125	32.926	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	137	244.	247.328	487.	4.	10220.09	101.094	126.	161.5	328.	392.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/23/79-11/23/98	41	147.	183.39	461.	102.	7643.894	87.429	114.2	133.5	209.5	328.6
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	01/30/92-11/23/98	29	10.5	10.366	13.4	7.4	3.067	1.751	7.9	8.8	11.65	13.2
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	234	9.15	9.37	13.2	4.6	3.262	1.806	7.2	7.975	11.	11.85
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	205	4.	5.871	33.	0.5	29.924	5.47	1.	2.	8.	13.
00340p COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	151	19.	21.957	153.	0.	388.573	19.712	7.2	13.	24.	34.
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	258	7.	6.998	8.7	3.	0.244	0.494	6.5	6.7	7.3	7.5
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	258	7.	5.376	8.7	3.	2.886	1.699	6.5	6.7	7.3	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	258	0.1	4.21	1000.	0.002	3883.075	62.314	0.032	0.05	0.2	0.316
00403 PH, LAB, STANDARD UNITS	SU	10/08/68-11/23/98	86	7.	6.988	8.	6.	0.158	0.397	6.4	6.7	7.3	7.43
00403 CONVERTED PH, LAB, STANDARD UNITS		10/08/68-11/23/98	86	7.	6.813	8.	6.	0.189	0.435	6.4	6.7	7.3	7.43
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/08/68-11/23/98	86	0.1	0.154	1.	0.01	0.024	0.156	0.037	0.05	0.2	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-11/23/98	85	31.	41.153	136.	7.	762.25	27.609	14.6	18.5	59.5	80.8
00500 RESIDUE, TOTAL (MG/L)		10/08/68-11/23/98	72	132.5	180.861	1447.	51.	33544.262	183.151	90.	106.5	191.75	236.2
00505 RESIDUE, TOTAL VOLATILE (MG/L)		10/08/68-11/23/98	72	34.	44.	153.	6.	948.535	30.798	18.6	26.25	48.75	102.1
00510 RESIDUE, TOTAL FIXED (MG/L)		10/08/68-11/23/98	72	96.5	142.069	1294.	17.	28119.164	167.688	60.6	73.25	147.5	220.7
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	204	8.	22.919	900.	0.5	5640.527	75.103	2.5	5.	15.	32.5
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	205	5.	7.144	100.	0.	94.201	9.706	1.5	2.5	8.	15.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	202	3.	18.032	1160.	0.	8023.664	89.575	0.5	2.	8.	18.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	248	1.5	2.248	11.	0.02	4.88	2.209	0.24	0.553	3.3	5.
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	248	0.03	0.12	5.5	0.005	0.155	0.394	0.005	0.01	0.118	0.292
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	217	0.76	1.289	23.29	0.005	3.911	1.978	0.338	0.54	1.3	2.661
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	243	2.299	3.244	25.	0.1	10.46	3.234	0.6	1.1	4.199	7.46
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/27/76-08/23/79	29	0.9	1.35	7.	0.23	2.719	1.649	0.47	0.6	1.15	3.
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	142	1.3	1.733	7.5	0.05	2.583	1.607	0.05	0.438	2.725	4.17
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	111	1.3	1.986	6.75	0.03	2.386	1.545	0.42	0.8	3.	4.36
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	179	8.9	9.611	68.	1.7	51.226	7.157	3.8	6.	11.	15.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		07/22/87-11/23/98	66	44.	45.758	85.	20.	155.11	12.454	31.7	36.	54.	62.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		04/10/79-04/10/79	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**

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

Station: FRSP0022 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Parameter Inventory for Station: FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-06/25/97	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.018	0.05	0.	0.001	0.024	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-06/25/97	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	5	0.	0.05	0.25	0.	0.013	0.112	**	**	**	**
39526 PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-06/25/97	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/20/82-08/21/84	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39631 ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	4	0.	0.025	0.1	0.	0.003	0.05	**	**	**	**
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	05/19/74-05/19/74	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	2	36.5	36.5	37.	36.	0.5	0.707	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	73	0.3	1.46	80.	0.	86.985	9.327	0.	0.1	0.5	0.96
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	101	0.5	0.901	4.3	0.05	0.847	0.92	0.05	0.3	1.35	2.
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	130	0.305	0.608	3.5	0.005	0.63	0.794	0.02	0.05	0.9	1.6
71900 MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	32##	0.25	0.25	1.	0.15	0.027	0.165	0.15	0.15	0.25	0.425
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-06/25/97	8	0.2	0.176	0.3	0.05	0.01	0.098	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	07/10/85-08/11/93	3##	0.1	0.068	0.1	0.005	0.003	0.055	**	**	**	**
82032 CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	1	9700.	9700.	9700.	9700.	0.	0.	**	**	**	**
82078 TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	9	6.9	13.556	35.	4.2	152.893	12.365	4.2	6.05	23.15	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

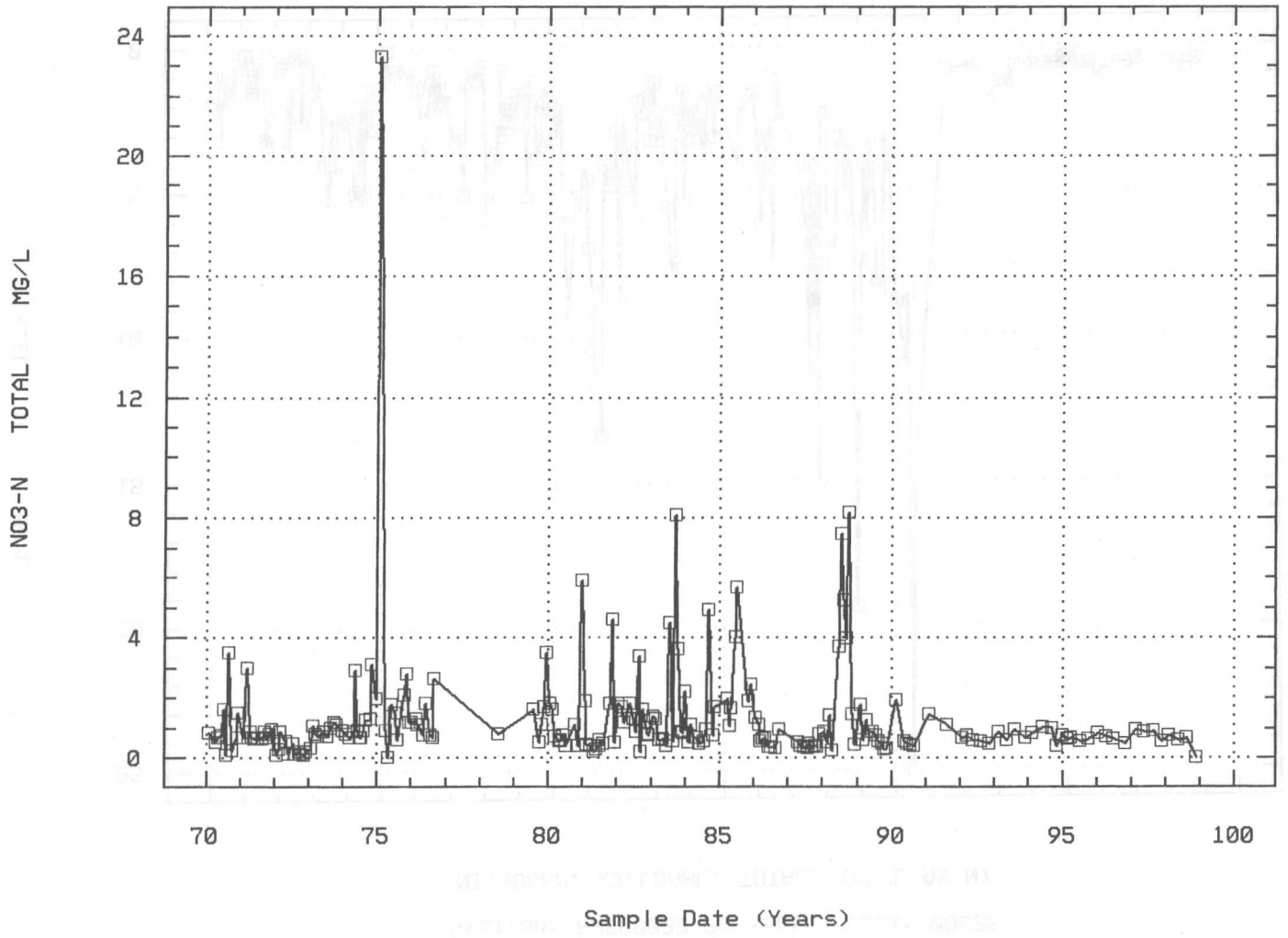
EPA Water Quality Criteria Analysis for Station: FRSP0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	29	2	0.07	10	0	0.00	11	2	0.18	8	0	0.00			
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	0	0.00	6	0	0.00	9	0	0.00	4	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	29	0	0.00	7	0	0.00	15	0	0.00	7	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	234	0	0.00	72	0	0.00	97	0	0.00	65	0	0.00			
00400 PH	Fresh Chronic	9.	258	0	0.00	80	0	0.00	108	0	0.00	70	0	0.00			
	Other-Lo Lim.	6.5	258	39	0.15	80	8	0.10	108	15	0.14	70	16	0.23			
00403 PH, LAB	Fresh Chronic	9.	86	0	0.00	29	0	0.00	32	0	0.00	25	0	0.00			
	Other-Lo Lim.	6.5	86	12	0.14	29	3	0.10	32	7	0.22	25	2	0.08			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	248	2	0.01	74	2	0.03	110	0	0.00	64	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	217	1	0.00	67	0	0.00	94	1	0.01	56	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	29	0	0.00	6	0	0.00	15	0	0.00	8	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	51	1	0.02	16	0	0.00	25	1	0.04	10	0	0.00			
	Drinking Water	250.	51	1	0.02	16	0	0.00	25	1	0.04	10	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	131	0	0.00	43	0	0.00	59	0	0.00	29	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	25	0	0.00	8	0	0.00	13	0	0.00	4	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	23	0	0.00	10	0	0.00	8	0	0.00	5	0	0.00			
	Drinking Water	50.	23	0	0.00	10	0	0.00	8	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: FRSP0022 Parameter Code: 00620

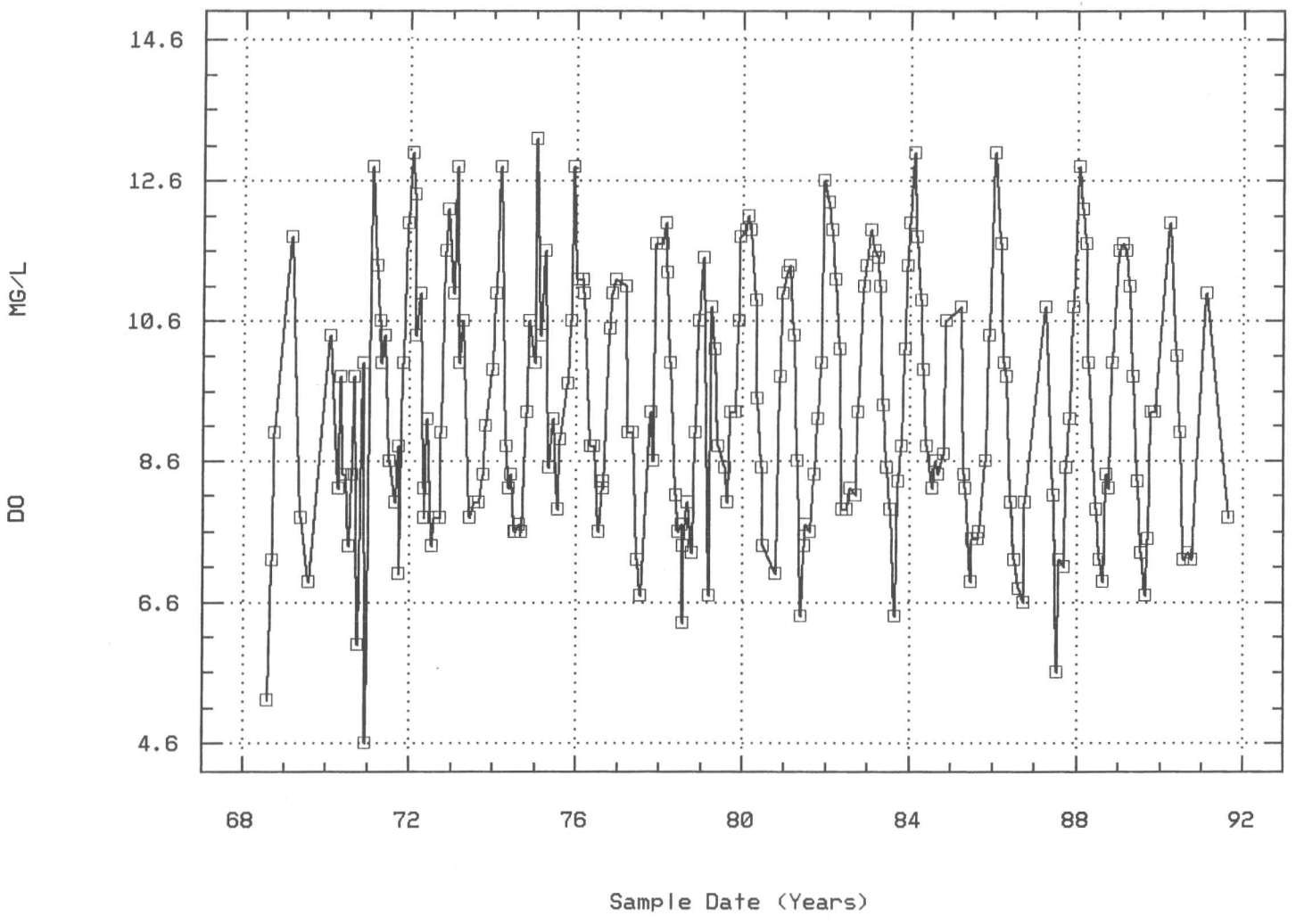
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00300

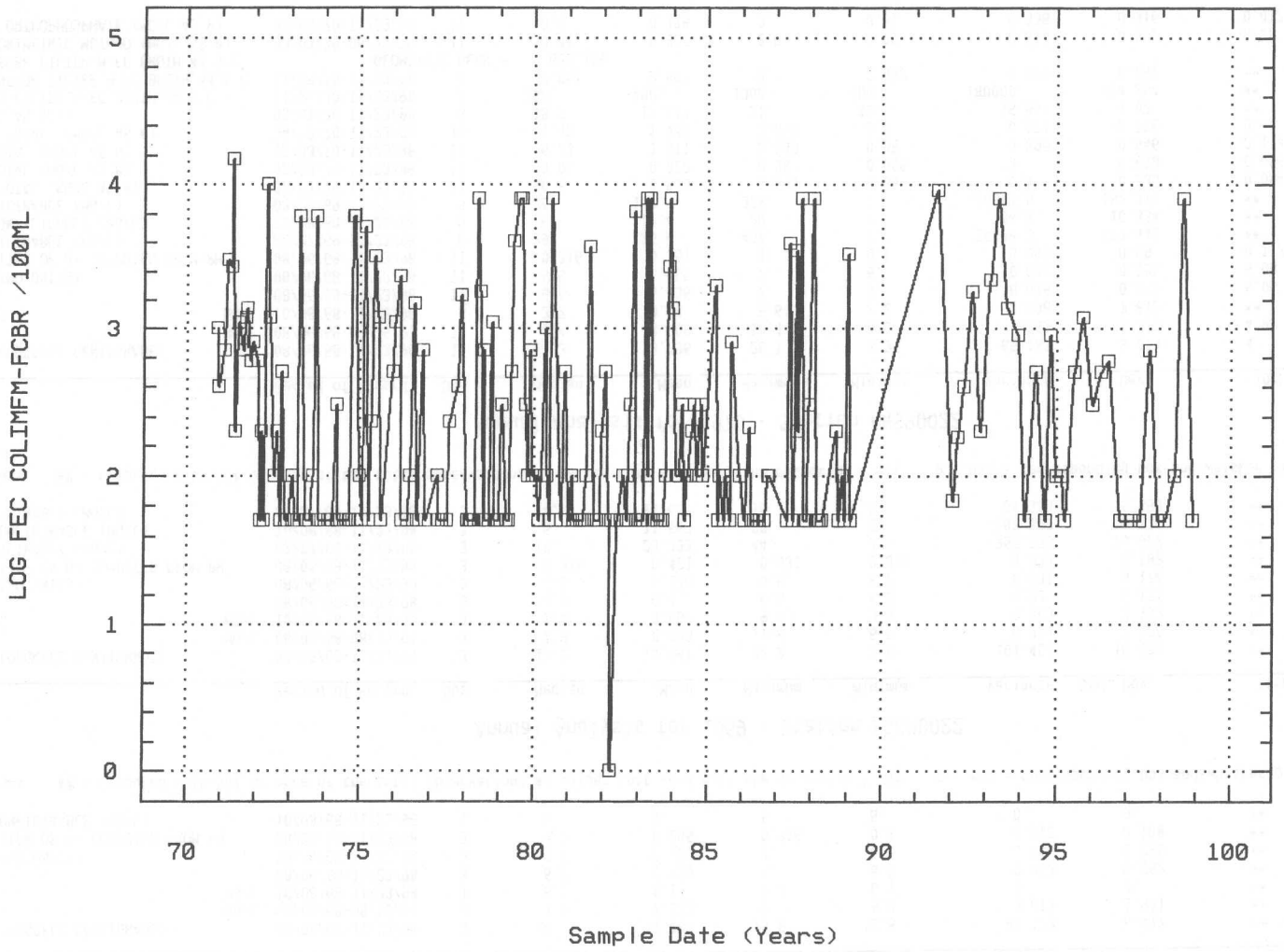
OXYGEN, DISSOLVED



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 31616

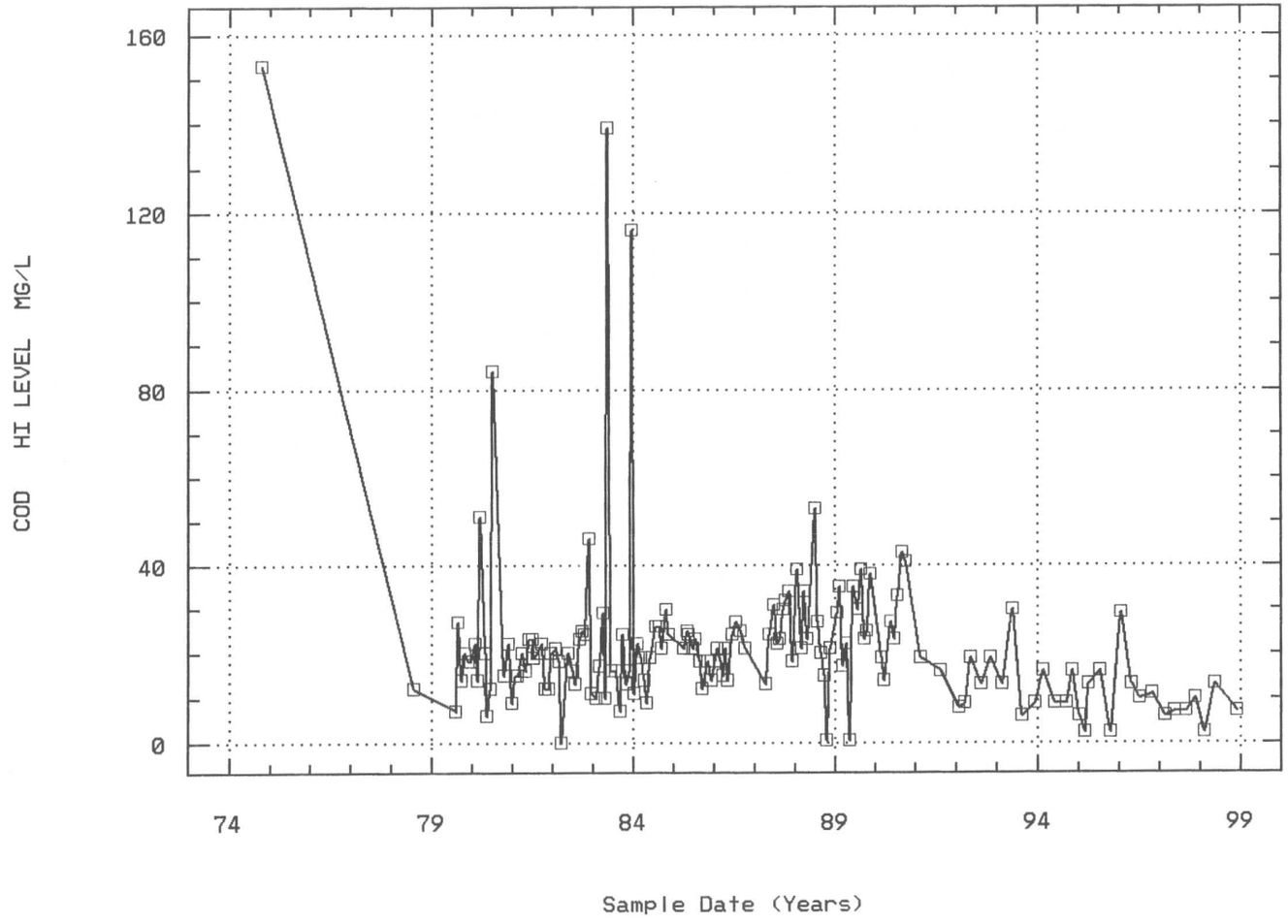
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00340

COD, .25N K2CR2O7



RT. 3 BRIDGE

Annual Analysis for 1971 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	11	16.1	14.555	25.6	3.3	45.173	6.721	4.2	8.9	20.6	24.82
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	10.	9.964	12.8	7.	3.071	1.752	7.2	8.6	11.4	12.64
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	11	6.8	6.827	7.	6.7	0.016	0.127	6.7	6.7	7.	7.
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	11	6.8	6.811	7.	6.7	0.016	0.128	6.7	6.7	7.	7.
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	11	0.158	0.154	0.2	0.1	0.002	0.042	0.1	0.1	0.2	0.2
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.86	1.266	3.5	0.06	1.465	1.21	0.068	0.25	2.5	3.4
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.03	0.025	0.04	0.01	0.	0.009	0.01	0.02	0.03	0.038
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.69	0.941	2.969	0.62	0.465	0.682	0.622	0.65	0.87	2.561
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	1.299	1.499	3.299	0.2	1.005	1.003	0.26	0.9	2.299	3.259
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	11	14.	14.455	19.	8.	11.073	3.328	8.8	12.	18.	19.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11	1100.	2490.909	15000.	200.	17966909.091	4238.739	280.	700.	2700.	12600.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11	3.041	3.093	4.176	2.301	0.233	0.482	2.396	2.845	3.431	4.036
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		1238.99									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	11	0.4	0.464	1.3	0.05	0.152	0.39	0.05	0.2	0.8	1.22
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	11	0.3	0.372	1.	0.01	0.1	0.317	0.012	0.09	0.61	0.922

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

Annual Analysis for 1972 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	13	16.7	14.454	25.6	4.4	45.826	6.769	4.64	9.2	18.9	25.12
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	13	9.2	9.831	13.	7.4	4.092	2.023	7.56	7.8	11.9	12.76
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	13	7.	6.931	7.6	6.5	0.134	0.366	6.5	6.6	7.15	7.56
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	13	7.	6.81	7.6	6.5	0.15	0.387	6.5	6.6	7.15	7.56
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	13	0.1	0.155	0.316	0.025	0.011	0.107	0.028	0.075	0.258	0.316
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.15	0.68	3.	0.03	1.032	1.016	0.034	0.1	1.5	2.8
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.01	0.018	0.05	0.01	0.	0.013	0.01	0.01	0.03	0.046
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.2	0.288	0.88	0.07	0.064	0.252	0.076	0.11	0.49	0.814
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	0.5	1.	3.5	0.1	1.218	1.104	0.14	0.4	1.799	3.3
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	7	6.	6.714	16.	3.	18.571	4.309	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	12	150.	1087.5	10000.	50.	7996420.455	2827.794	50.	50.	575.	7360.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	12	2.151	2.304	4.	1.699	0.526	0.725	1.699	1.699	2.758	3.724
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		201.574									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	11##	0.05	0.168	0.7	0.05	0.05	0.223	0.05	0.05	0.2	0.66
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	11	0.03	0.206	1.199	0.01	0.135	0.367	0.012	0.02	0.3	1.065

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

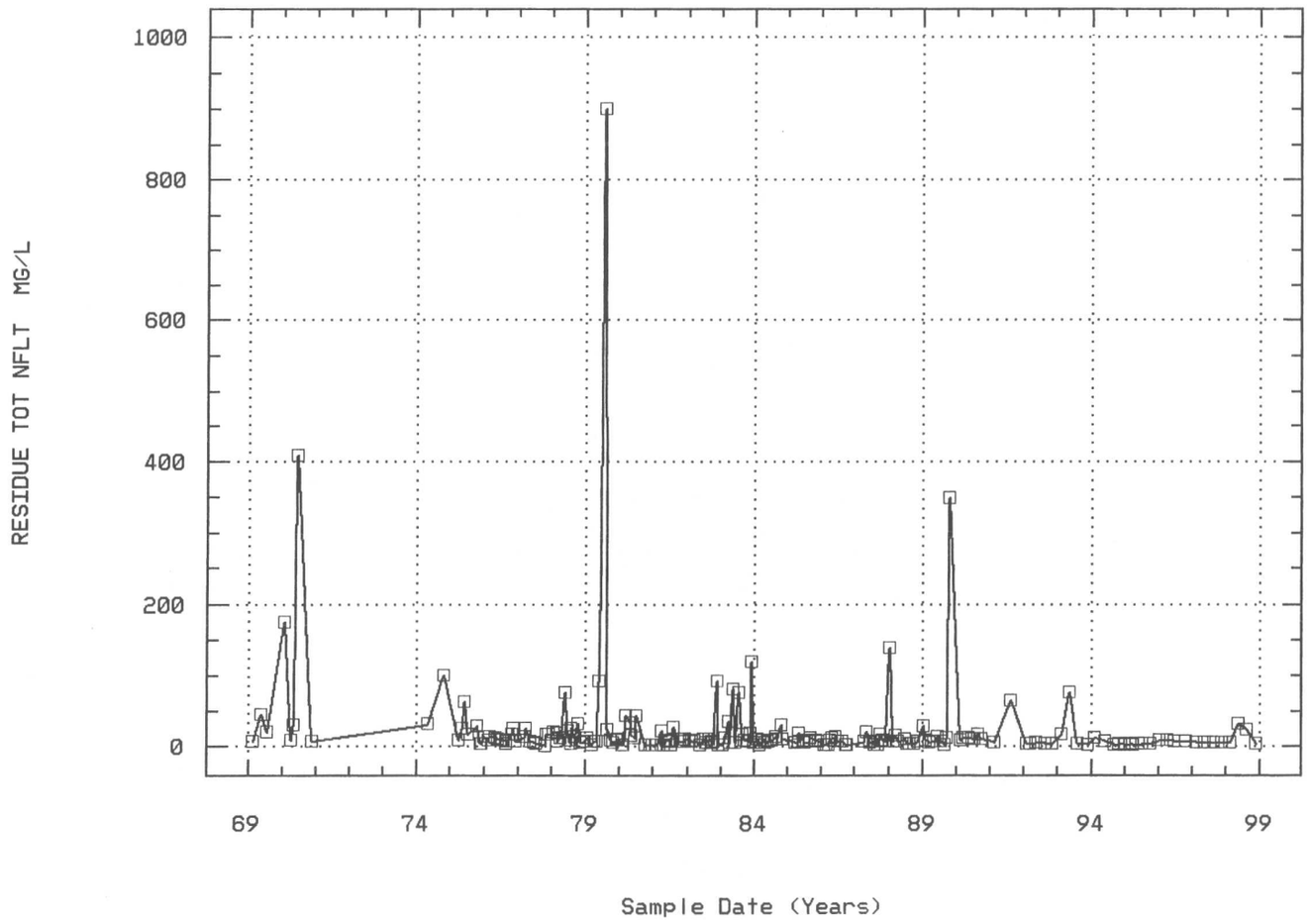
Annual Analysis for 1973 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	10	14.15	15.35	26.7	5.6	69.865	8.359	5.65	6.1	25.6	26.59
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	10	9.5	9.56	12.8	7.8	2.609	1.615	7.82	8.	10.7	12.62
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	10	6.85	6.8	7.1	6.5	0.056	0.236	6.5	6.5	7.	7.09
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	10	6.847	6.742	7.1	6.5	0.059	0.244	6.5	6.5	7.	7.09
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	10	0.142	0.181	0.316	0.079	0.01	0.099	0.081	0.1	0.316	0.316
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	1.299	1.68	4.5	0.2	2.342	1.53	0.21	0.3	2.875	4.45
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.01	0.025	0.08	0.005	0.001	0.027	0.005	0.005	0.045	0.078
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.87	0.861	1.189	0.33	0.061	0.248	0.367	0.715	1.069	1.18
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	10	2.399	2.639	5.5	0.4	2.432	1.559	0.47	1.4	4.075	5.38
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	9	15.	13.667	17.	1.	24.25	4.924	1.	13.5	16.5	17.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	10##	50.	1250.	6000.	50.	6267777.778	2503.553	50.	50.	1575.	6000.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	10##	1.699	2.175	3.778	1.699	0.729	0.854	1.699	1.699	2.445	3.778

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

Station: FRSP0022 Parameter Code: 00530

RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Annual Analysis for 1975 - Station FRSP0022

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)	02/03/70-11/23/98	9	0.31	0.341	0.7	0.005	0.061	0.246	0.005	0.125	0.55	0.7

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

Annual Analysis for 1976 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	11	10.	13.982	26.7	2.8	79.256	8.903	3.12	6.1	24.4	26.24
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	10.5	9.8	11.2	7.6	2.09	1.446	7.72	8.3	11.2	11.2
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	11	3.	3.636	8.	2.	2.455	1.567	2.2	3.	4.	7.2
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	11	7.	6.982	7.5	6.5	0.068	0.26	6.54	6.8	7.1	7.44
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	11	7.	6.912	7.5	6.5	0.073	0.27	6.54	6.8	7.1	7.44
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	11	0.1	0.123	0.316	0.032	0.006	0.078	0.038	0.079	0.158	0.293
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	10.	11.091	24.	4.	33.091	5.752	4.4	6.	14.	22.4
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	11	6.	5.091	14.	0.	19.491	4.415	0.	0.	8.	12.8
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	6.	6.	14.	0.	17.6	4.195	0.	4.	8.	13.2
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.8	1.14	3.199	0.05	0.745	0.863	0.14	0.6	1.599	2.939
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.04	0.04	0.11	0.005	0.001	0.03	0.006	0.01	0.05	0.102
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	8	1.139	1.277	2.629	0.69	0.432	0.657	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	1.399	1.717	4.199	0.8	0.895	0.946	0.84	1.099	2.099	3.799
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	10	9.5	9.7	15.	6.	5.344	2.312	6.2	8.75	10.25	14.6
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	8	20.5	29.	53.	15.	251.714	15.866	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	9	100.	655.556	2300.	50.	674027.778	820.992	50.	50.	1300.	2300.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	9	2.	2.358	3.362	1.699	0.531	0.729	1.699	1.699	3.109	3.362
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		227.929									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	11	0.5	0.536	1.4	0.3	0.107	0.326	0.3	0.3	0.6	1.28
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	11	0.37	0.427	0.9	0.13	0.057	0.239	0.148	0.25	0.55	0.88

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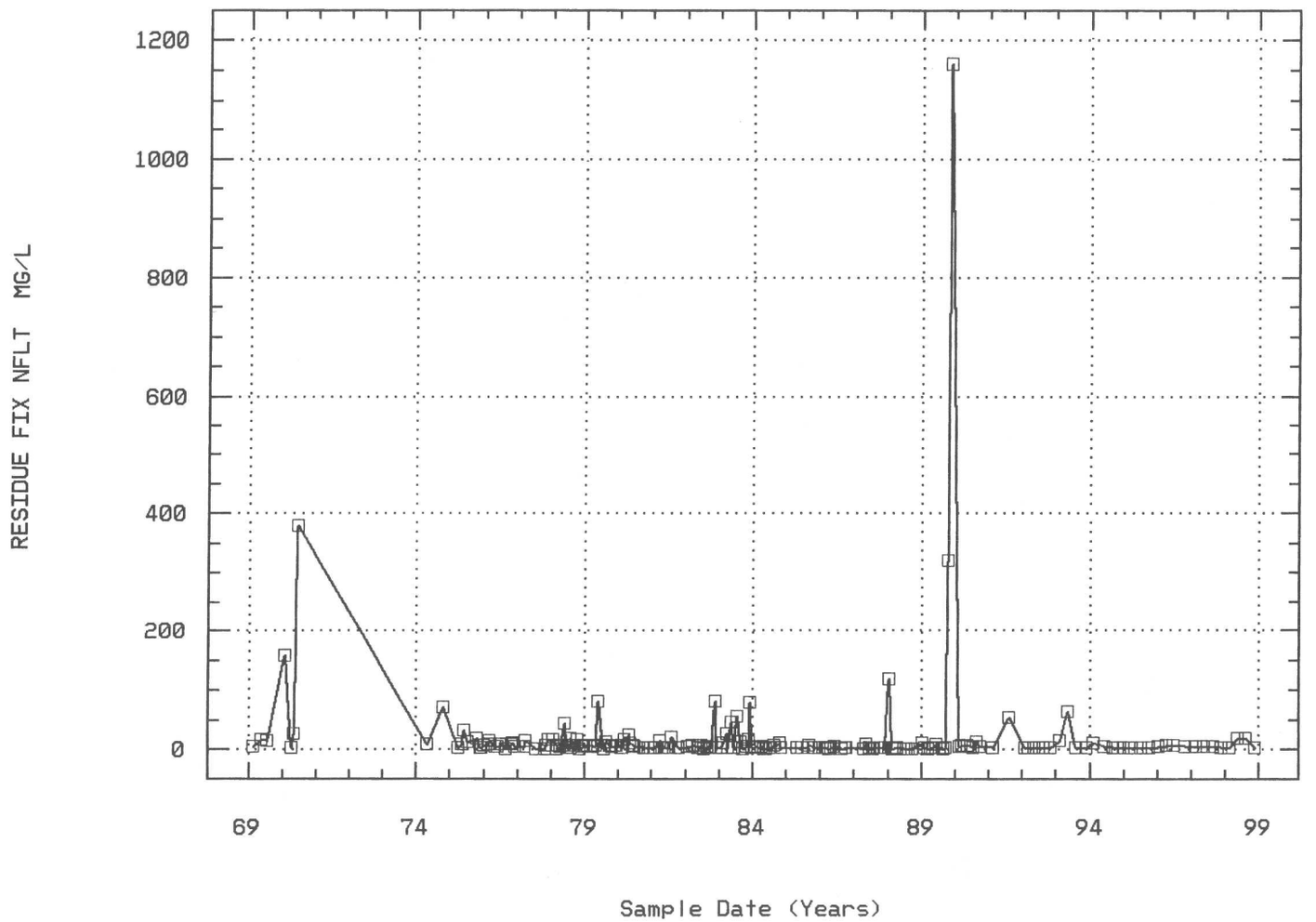
Annual Analysis for 1977 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	9	15.	13.856	26.	0.9	98.72	9.936	0.9	2.15	23.5	26.
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	9	9.	8.811	11.7	6.7	3.181	1.784	6.7	6.95	10.2	11.7
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	8	3.5	3.875	7.	3.	1.839	1.356	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	9	7.	7.063	7.5	6.47	0.084	0.29	6.47	7.	7.3	7.5
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	9	7.	6.967	7.5	6.47	0.095	0.308	6.47	7.	7.3	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	9	0.1	0.108	0.339	0.032	0.008	0.091	0.032	0.05	0.1	0.339
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	9	7.	10.278	25.	0.5	65.194	8.074	0.5	4.	16.5	25.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	9	4.	5.611	11.	0.5	13.361	3.655	0.5	3.	9.5	11.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	8	3.	5.313	15.	0.	36.924	6.077	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	1.099	1.477	3.399	0.5	0.941	0.97	0.5	0.7	2.2	3.399
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.07	0.104	0.25	0.02	0.009	0.095	0.02	0.03	0.215	0.25
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	9	1.199	2.21	5.	0.9	2.139	1.462	0.9	1.05	3.299	5.
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	8	10.	10.	12.	8.	1.714	1.309	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	9	29.	27.444	37.	4.	94.278	9.71	4.	26.	34.	37.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	8	165.	351.25	1700.	50.	312326.786	558.862	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	8	2.181	2.207	3.23	1.699	0.296	0.544	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		160.92									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	9	0.6	1.244	3.4	0.3	1.648	1.284	0.3	0.35	2.5	3.4
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	9	0.46	1.211	3.399	0.25	1.705	1.306	0.25	0.34	2.499	3.399

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

Station: FRSP0022 Parameter Code: 00540

RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Annual Analysis for 1980 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	10	12.4	12.82	21.5	5.5	40.946	6.399	5.55	6.075	19.1	21.35
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	10	261.5	256.4	405.	138.	7753.378	88.053	141.2	171.5	330.5	398.9
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	10	10.35	10.	12.1	7.	3.527	1.878	7.04	8.225	11.9	12.08
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	10	3.	5.3	17.	2.	23.567	4.855	2.	2.	8.25	16.2
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	10	17.5	25.5	84.	6.	578.278	24.047	6.3	11.25	29.25	80.7
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	10	7.25	7.42	8.7	6.9	0.264	0.514	6.92	7.1	7.575	8.61
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	10	7.247	7.259	8.7	6.9	0.293	0.541	6.92	7.1	7.575	8.61
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	10	0.057	0.055	0.126	0.002	0.001	0.036	0.003	0.028	0.079	0.121
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	10##	7.25	15.75	43.	2.5	291.292	17.067	2.5	2.5	35.25	42.9
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	10##	4.25	9.95	38.	2.5	158.025	12.571	2.5	2.5	13.75	37.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	10##	3.25	7.05	24.	2.5	52.025	7.213	2.5	2.5	10.5	23.1
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	10	4.	3.82	7.	1.3	3.337	1.827	1.36	1.975	5.125	6.85
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	10	0.04	0.081	0.23	0.02	0.005	0.072	0.021	0.03	0.138	0.223
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	10	0.72	1.381	5.9	0.4	2.755	1.66	0.4	0.528	1.65	5.49
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	10	4.55	4.49	9.4	1.9	5.592	2.365	1.91	2.075	5.725	9.07
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	10	1.25	1.62	4.	0.4	1.104	1.051	0.45	0.975	2.05	3.88
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	10	1.25	1.55	4.	0.3	1.069	1.034	0.36	0.9	1.825	3.85
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	10	11.	18.3	68.	8.	333.567	18.264	8.	9.5	18.5	63.8
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	10	100.	1000.	8000.	50.	6143333.333	2478.575	50.	50.	625.	7300.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	10	2.	2.24	3.903	1.699	0.544	0.738	1.699	1.699	2.774	3.813
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		173.698									

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

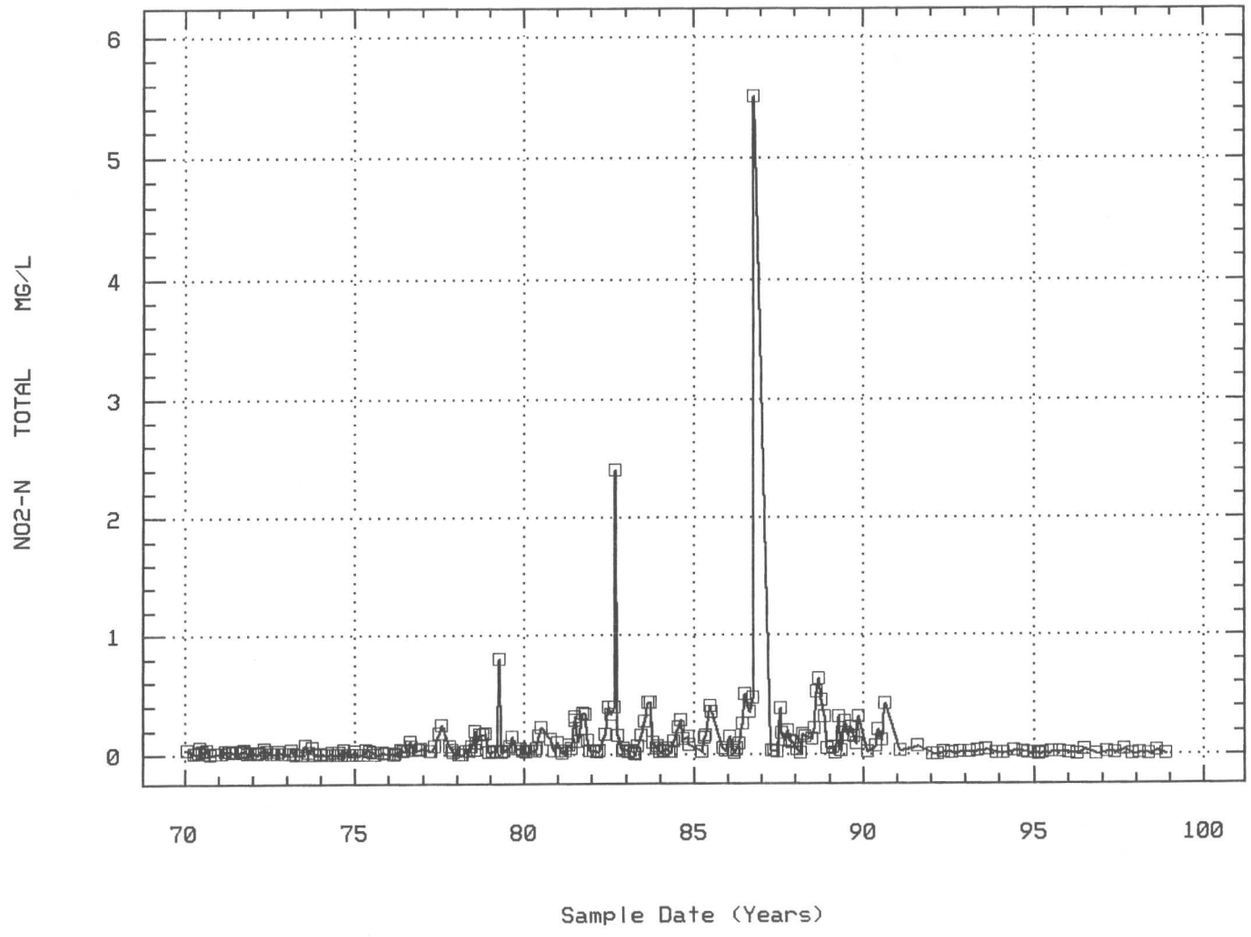
Annual Analysis for 1981 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	13	17.3	15.408	23.8	4.8	37.966	6.162	5.12	10.9	20.5	23.28
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	12	365.5	338.083	487.	206.	7473.356	86.449	217.1	244.75	392.	463.6
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	13	8.6	9.2	12.6	6.4	3.345	1.829	6.8	7.65	10.85	12.12
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	12	4.	5.083	11.	1.	6.811	2.61	1.6	4.	6.75	10.1
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	12	19.5	18.083	23.	12.	15.72	3.965	12.	15.	21.5	23.
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	13	7.4	7.454	8.5	7.	0.116	0.341	7.12	7.3	7.5	8.1
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	13	7.4	7.376	8.5	7.	0.123	0.35	7.12	7.3	7.5	8.1
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	13	0.04	0.042	0.1	0.003	0.	0.021	0.015	0.032	0.05	0.08
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	12	6.	8.417	27.	2.5	60.538	7.781	2.5	2.5	9.5	25.2
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	12	6.	5.167	9.	2.5	5.333	2.309	2.5	2.5	6.75	8.7
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	11	2.5	4.682	20.	1.	36.914	6.076	1.	2.	2.5	18.6
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	12	3.9	5.508	11.	2.3	8.603	2.933	2.48	3.625	8.625	10.55
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	12	0.095	0.145	0.34	0.01	0.018	0.134	0.016	0.03	0.313	0.337
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	12	0.495	1.052	4.6	0.2	1.566	1.251	0.227	0.395	1.6	3.79
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	12	5.85	7.2	13.4	2.9	13.009	3.607	3.23	4.35	11.	12.98
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	12	3.55	3.325	5.	0.9	1.298	1.139	1.26	2.6	4.15	4.85
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	12	3.4	3.267	5.	0.9	1.35	1.162	1.26	2.5	4.15	4.85
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	12	12.	11.583	19.	3.	16.992	4.122	4.8	9.	13.	18.4
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	12##	50.	379.167	3700.	50.	1095662.879	1046.739	50.	50.	100.	2650.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	12##	1.699	1.98	3.568	1.699	0.289	0.538	1.699	1.699	2.	3.188
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		95.536									

** - 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

Station: FRSP0022 Parameter Code: 00615

NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Annual Analysis for 1988 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	11	13.2	14.682	23.	3.2	48.684	6.977	3.9	7.4	22.5	23.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	10	311.5	300.2	410.	120.	7000.844	83.671	132.7	254.5	362.5	408.4
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	11	10.	9.573	12.8	6.9	4.122	2.03	6.96	7.9	11.7	12.68
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	10	6.	6.8	17.	2.	21.511	4.638	2.1	3.	9.	16.5
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	10	22.	25.35	53.	0.5	202.781	14.24	1.95	18.75	35.25	51.6
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	9	7.	7.078	7.8	6.5	0.214	0.463	6.5	6.6	7.5	7.8
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	9	7.	6.885	7.8	6.5	0.256	0.506	6.5	6.6	7.5	7.8
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	9	0.1	0.13	0.316	0.016	0.014	0.119	0.016	0.032	0.258	0.316
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	10	7.	19.7	140.	1.	1802.9	42.461	1.2	3.	11.25	127.5
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	10	5.5	7.2	22.	1.	38.844	6.233	1.1	2.75	10.5	21.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	10	0.75	12.6	118.	0.	1372.433	37.046	0.	0.	2.25	106.5
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	3.2	3.379	6.95	0.5	3.69	1.921	0.64	1.97	4.7	6.66
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	0.17	0.245	0.63	0.01	0.044	0.209	0.016	0.05	0.45	0.608
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	1.45	3.046	8.18	0.25	8.3	2.881	0.288	0.52	5.23	8.04
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	11	5.	6.148	19.3	2.2	22.475	4.741	2.32	3.23	7.5	16.94
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	11	1.7	1.712	2.93	0.5	0.668	0.817	0.52	1.1	2.6	2.864
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	6	0.735	0.72	1.35	0.17	0.263	0.513	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	8	6.2	8.875	21.2	4.8	33.496	5.788	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	1	40.	40.	40.	40.	0.	0.	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	8##	50.	1068.75	8000.	50.	7846383.929	2801.14	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	8##	1.699	2.087	3.903	1.699	0.586	0.766	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		122.284									

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

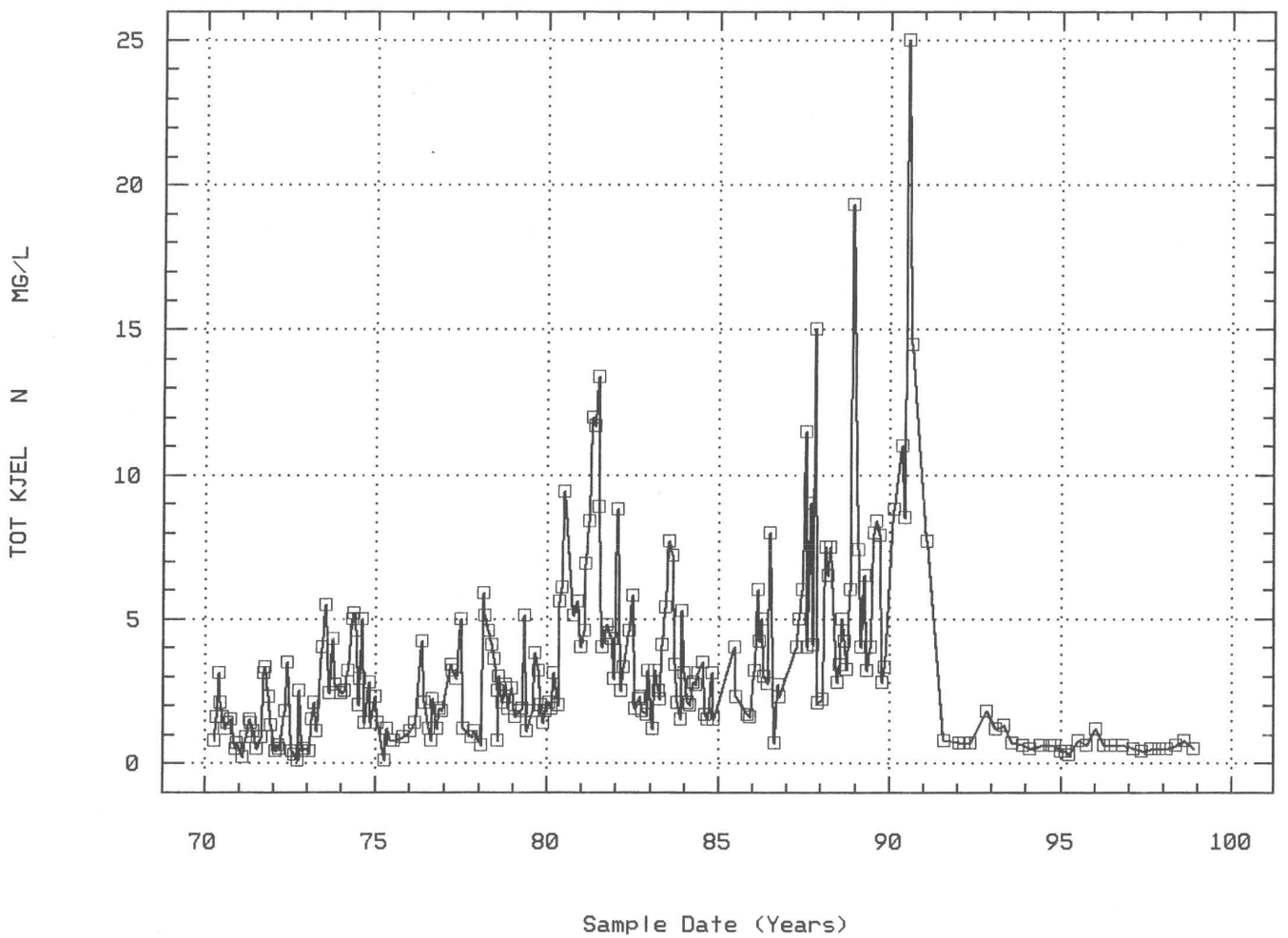
Annual Analysis for 1989 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	11	13.3	14.582	23.6	5.7	41.038	6.406	6.02	7.7	20.7	23.36
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	8	242.5	254.375	397.	123.	7784.268	88.228	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	11	9.3	9.473	11.7	6.7	3.45	1.857	6.82	7.5	11.6	11.68
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	11	10.	10.182	18.	3.	22.564	4.75	3.4	6.	14.	17.8
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	11	29.	26.682	39.	0.5	125.214	11.19	3.8	22.	35.	38.8
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	11	7.2	7.291	7.5	7.	0.037	0.192	7.02	7.1	7.5	7.5
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	11	7.2	7.253	7.5	7.	0.038	0.196	7.02	7.1	7.5	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	11	0.063	0.056	0.1	0.032	0.001	0.024	0.032	0.032	0.079	0.096
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	10	8.	43.6	348.	2.	11490.267	107.193	2.3	5.75	16.75	316.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	10	5.	16.5	100.	2.	917.389	30.288	2.1	3.75	13.	92.8
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	11	3.	137.636	1160.	0.5	123982.805	352.112	0.5	3.	10.	992.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	10	3.825	3.92	8.	1.12	4.354	2.087	1.146	2.07	5.113	7.745
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	10	0.155	0.164	0.32	0.01	0.014	0.116	0.012	0.053	0.288	0.319
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	10	0.665	0.766	1.76	0.26	0.205	0.452	0.267	0.443	0.963	1.708
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	10	5.25	5.55	8.4	2.8	5.214	2.283	2.84	3.275	7.925	8.36
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	10	1.	1.02	1.7	0.5	0.173	0.416	0.51	0.6	1.375	1.69
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	10	0.88	0.79	1.1	0.38	0.087	0.295	0.384	0.458	1.063	1.1
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	11	6.6	7.027	15.	1.7	12.998	3.605	2.18	4.8	9.	14.16
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	10	29.	28.2	37.	13.	50.844	7.131	13.8	24.75	34.25	36.8
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	2##	1675.	1675.	3300.	50.	5281250.	2298.097	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	2##	2.609	2.609	3.519	1.699	1.655	1.287	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		406.202									

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

Station: FRSP0022 Parameter Code: 00625

NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 3 BRIDGE

Annual Analysis for 1992 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	5	13.	13.6	19.	8.	27.8	5.273	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	5	7.1	7.14	7.6	6.9	0.083	0.288	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	5	7.1	7.076	7.6	6.9	0.088	0.297	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	5	0.079	0.084	0.126	0.025	0.002	0.043	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	5	4.	3.8	5.	3.	0.7	0.837	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	5	1.	1.4	2.	1.	0.3	0.548	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	5	2.	2.4	3.	2.	0.3	0.548	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.53	0.44	0.62	0.02	0.06	0.245	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.01	0.012	0.02	0.005	0.	0.008	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.59	0.606	0.73	0.48	0.011	0.104	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	5	0.7	0.98	1.8	0.7	0.227	0.476	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	5	0.1	0.08	0.1	0.05	0.001	0.027	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	5	4.6	4.12	5.6	1.8	2.047	1.431	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	3	20.	19.	20.	17.	3.	1.732	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	5	200.	529.6	1800.	68.	518660.8	720.181	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	5	2.301	2.449	3.255	1.833	0.278	0.527	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		281.338									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	3	0.05	0.07	0.11	0.05	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	3	7.4	9.767	16.7	5.2	37.263	6.104	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	3	149.	140.	152.	119.	333.	18.248	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4	1.5	1.75	3.	1.	0.917	0.957	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	4	11.	14.5	30.	6.	115.	10.724	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	3	7.4	7.367	7.7	7.	0.123	0.351	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	3	7.4	7.274	7.7	7.	0.136	0.369	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	3	0.04	0.053	0.1	0.02	0.002	0.042	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	10.	24.375	76.	1.5	1233.229	35.117	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4	2.25	4.625	13.	1.	31.896	5.648	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	8.	20.125	63.	1.5	850.396	29.162	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.445	0.438	0.54	0.32	0.011	0.105	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.025	0.025	0.04	0.01	0.	0.013	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.755	0.755	0.93	0.58	0.026	0.163	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.95	0.95	1.3	0.6	0.123	0.351	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4##	0.125	0.125	0.2	0.05	0.008	0.087	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	4	6.55	6.675	10.9	2.7	15.909	3.989	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	4	14.5	14.75	18.	12.	7.583	2.754	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4	1800.	3125.	8000.	900.	10849166.667	3293.807	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4	3.244	3.336	3.903	2.954	0.168	0.41	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		2170.055									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.07	0.073	0.11	0.04	0.001	0.038	**	**	**	**

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

Annual Analysis for 1994 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	4	14.9	12.85	19.2	2.4	55.583	7.455	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	4	163.	174.5	225.	147.	1196.333	34.588	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4	2.	1.7	2.3	0.5	0.66	0.812	**	**	**	**

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

Annual Analysis for 1968 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	3	20.	19.467	25.6	12.8	41.173	6.417	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	3	7.2	7.133	9.	5.2	3.613	1.901	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	3	6.7	6.733	7.	6.5	0.063	0.252	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	3	6.7	6.688	7.	6.5	0.066	0.258	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	3	0.2	0.205	0.316	0.1	0.012	0.108	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	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 box-and-whisker plot

Annual Analysis for 1969 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	3	17.2	14.067	22.2	2.8	101.453	10.072	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	3	7.8	8.833	11.8	6.9	6.803	2.608	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	3	6.4	6.567	9.8	3.5	9.943	3.153	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	3	6.5	6.4	6.5	6.2	0.03	0.173	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	3	6.5	6.376	6.5	6.2	0.031	0.176	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	3	0.316	0.421	0.631	0.316	0.033	0.182	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	3	19.	23.333	44.	7.	356.333	18.877	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	3	5.	11.667	28.	2.	202.333	14.224	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	3	14.	11.667	16.	5.	34.333	5.859	**	**	**	**

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

Annual Analysis for 1970 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	11	13.3	13.736	26.1	3.9	65.183	8.074	4.	6.7	21.1	25.66
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	11	8.4	8.309	10.4	4.6	3.163	1.778	4.88	7.4	9.8	10.32
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	5	3.7	3.94	5.6	2.2	2.598	1.612	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	11	6.5	6.536	7.	6.	0.075	0.273	6.06	6.3	6.7	6.96
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	11	6.5	6.455	7.	6.	0.082	0.286	6.06	6.3	6.7	6.96
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	11	0.316	0.351	1.	0.1	0.063	0.25	0.112	0.2	0.501	0.9
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	5	29.	125.4	407.	7.	29738.3	172.448	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	5	6.	12.4	28.	4.	106.8	10.334	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	5	25.	113.	379.	1.	26347.5	162.319	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	0.8	0.813	2.299	0.06	0.4	0.633	0.064	0.33	1.099	2.099
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	0.01	0.022	0.06	0.005	0.	0.018	0.006	0.01	0.04	0.056
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	0.73	1.011	3.509	0.08	0.895	0.946	0.114	0.5	1.5	3.131
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	10	1.45	1.449	3.099	0.5	0.571	0.756	0.52	0.775	1.724	2.999
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	6	18.5	17.167	21.	10.	16.567	4.07	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	2	700.	700.	1000.	400.	180000.	424.264	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	2	2.801	2.801	3.	2.602	0.079	0.281	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		632.456									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-08/23/79	11	0.45	0.823	2.6	0.05	0.814	0.902	0.05	0.05	1.9	2.47
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-11/23/98	11	0.6	0.775	3.	0.01	0.838	0.916	0.012	0.05	1.399	2.72

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Annual Analysis for 1996 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	3	6.8	6.9	7.2	6.7	0.07	0.265	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	3	6.8	6.853	7.2	6.7	0.073	0.271	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	3	0.158	0.14	0.2	0.063	0.005	0.07	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	7.5	7.75	9.	7.	0.917	0.957	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4##	2.25	2.25	3.	1.5	0.75	0.866	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	5.5	5.5	7.	4.	1.667	1.291	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.235	0.265	0.41	0.18	0.011	0.107	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4##	0.008	0.015	0.04	0.005	0.	0.017	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.66	0.66	0.83	0.49	0.02	0.143	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.6	0.75	1.2	0.6	0.09	0.3	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4##	0.075	0.1	0.2	0.05	0.005	0.071	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	3	3.5	4.467	6.5	3.4	3.103	1.762	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	4	13.5	14.	18.	11.	10.	3.162	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4	400.	362.5	600.	50.	58958.333	242.813	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4	2.588	2.413	2.778	1.699	0.243	0.493	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		259.002									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.04	0.043	0.07	0.02	0.	0.021	**	**	**	**

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Annual Analysis for 1997 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	4	9.	10.35	19.4	4.	49.663	7.047	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	4	133.5	134.25	144.	126.	54.917	7.411	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4##	0.75	1.25	3.	0.5	1.417	1.19	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	4	7.	7.5	10.	6.	3.	1.732	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	4	7.15	7.175	7.4	7.	0.043	0.206	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	4	7.125	7.14	7.4	7.	0.044	0.21	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	4	0.075	0.072	0.1	0.04	0.001	0.032	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	5.	5.	5.	5.	0.	0.	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	4.	3.75	4.	3.	0.25	0.5	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.225	0.218	0.24	0.18	0.001	0.029	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.015	0.019	0.04	0.005	0.	0.015	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.9	0.825	0.95	0.55	0.034	0.186	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.5	0.475	0.5	0.4	0.002	0.05	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4	0.1	0.087	0.1	0.05	0.001	0.025	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	4	12.	12.	14.	10.	3.333	1.826	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4##	50.	212.5	700.	50.	105625.	325.	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4##	1.699	1.986	2.845	1.699	0.328	0.573	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		96.717									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.04	0.038	0.04	0.03	0.	0.005	**	**	**	**

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Annual Analysis for 1998 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	4	11.25	12.675	22.2	6.	54.382	7.374	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	4	115.	114.75	126.	103.	112.25	10.595	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	3	7.	7.5	13.	2.5	27.75	5.268	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	4	6.8	6.875	7.3	6.6	0.096	0.31	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	4	6.789	6.805	7.3	6.6	0.102	0.32	**	**	**	**

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Annual Analysis for 1973 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		149.628									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	10	0.6	0.815	2.	0.05	0.452	0.672	0.075	0.3	1.3	1.99
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	10	0.395	0.611	2.	0.02	0.375	0.612	0.023	0.163	0.962	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 box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	12	16.95	16.933	24.4	4.4	49.148	7.011	6.08	11.	23.9	24.4
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	12	8.6	9.133	12.8	7.6	2.772	1.665	7.6	7.625	10.45	12.26
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	2	30.	30.	30.	30.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	1	153.	153.	153.	153.	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	12	6.85	6.708	7.5	4.3	0.655	0.81	4.96	6.65	7.125	7.44
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	12	6.847	5.366	7.5	4.3	2.622	1.619	4.96	6.65	7.125	7.44
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	12	0.142	4.307	50.119	0.032	208.143	14.427	0.037	0.079	0.228	35.178
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	2	66.	66.	100.	32.	2312.	48.083	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	2	27.	27.	30.	24.	18.	4.243	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	2	39.	39.	70.	8.	1922.	43.841	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	1.899	2.033	5.	0.3	2.064	1.437	0.36	0.775	2.925	4.64
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	12##	0.005	0.013	0.04	0.005	0.	0.012	0.005	0.005	0.02	0.037
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	0.9	1.337	3.099	0.68	0.739	0.859	0.68	0.71	1.802	3.039
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	12	2.849	3.191	5.199	1.399	1.992	1.411	1.399	2.075	4.9	5.139
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	12	17.5	17.25	22.	14.	7.295	2.701	14.	15.	18.	22.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11##	50.	1159.091	6000.	50.	5733909.091	2394.558	50.	50.	300.	6000.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11##	1.699	2.175	3.778	1.699	0.685	0.828	1.699	1.699	2.477	3.778
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		149.662									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	12	1.45	1.575	3.1	0.5	0.638	0.799	0.5	0.925	2.	2.98
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	12	1.199	1.304	2.699	0.05	0.637	0.798	0.155	0.75	1.9	2.639

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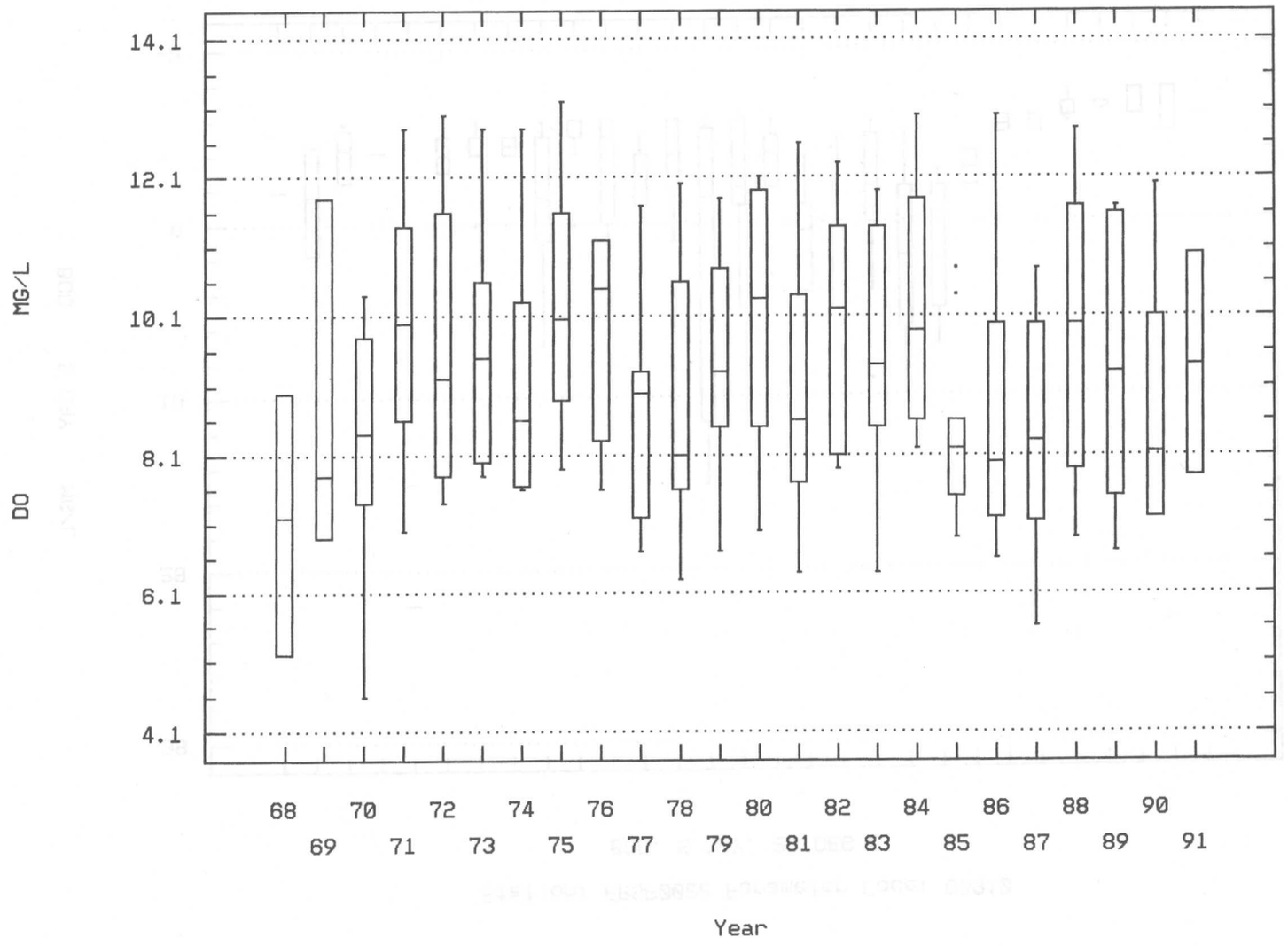
Annual Analysis for 1975 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	10	12.5	12.94	22.2	1.1	49.329	7.023	1.71	7.2	19.325	22.04
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	10	10.05	10.28	13.2	7.9	3.22	1.794	7.96	8.8	11.9	13.16
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	8	4.	3.875	7.	1.	2.982	1.727	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.05	7.	7.5	6.6	0.084	0.291	6.61	6.7	7.2	7.47
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.047	6.918	7.5	6.6	0.092	0.303	6.61	6.7	7.2	7.47
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	10	0.09	0.121	0.251	0.032	0.006	0.075	0.035	0.063	0.2	0.246
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	7	16.	21.	63.	4.	432.333	20.793	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	7	5.	10.	31.	2.	111.	10.536	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	7	8.	11.	32.	2.	121.	11.	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.5	0.539	1.199	0.05	0.103	0.322	0.05	0.35	0.65	1.199
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.01	0.016	0.04	0.005	0.	0.012	0.005	0.005	0.025	0.04
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	1.479	3.789	23.29	0.005	54.153	7.359	0.005	0.75	2.434	23.29
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	8	0.95	0.9	1.399	0.1	0.145	0.381	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	8	9.5	9.625	14.	3.	12.268	3.503	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	6	15.5	14.5	18.	8.	11.9	3.45	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	8	365.	1297.5	5100.	50.	3504621.429	1872.063	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	8	2.53	2.556	3.708	1.699	0.68	0.825	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		359.906									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	8	0.45	0.463	0.9	0.05	0.105	0.324	**	**	**	**

** - 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

Station: FRSP0022 Parameter Code: 00300

OXYGEN, DISSOLVED



RT. 3 BRIDGE

Annual Analysis for 1978 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	14	14.5	14.1	25.5	0.4	72.563	8.518	2.2	5.125	22.	25.25
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	15	8.1	8.94	12.	6.3	3.15	1.775	6.9	7.6	10.6	11.82
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	13	6.	6.538	15.	1.	19.603	4.427	1.4	3.	9.	14.6
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	14	7.	7.029	7.4	6.5	0.098	0.312	6.5	6.825	7.3	7.35
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	14	7.	6.916	7.4	6.5	0.111	0.334	6.5	6.825	7.3	7.35
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	14	0.1	0.121	0.316	0.04	0.01	0.099	0.045	0.05	0.157	0.316
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	13	13.	18.846	76.	4.	368.308	19.191	4.4	6.	23.5	58.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	13	6.	9.308	32.	1.	74.564	8.635	1.4	4.5	13.5	27.2
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	13	6.	9.692	44.	0.	141.897	11.912	0.	2.	15.5	33.6
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	13	2.2	2.254	3.799	0.4	1.397	1.182	0.48	1.35	3.55	3.799
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	13	0.04	0.079	0.2	0.005	0.006	0.075	0.005	0.013	0.17	0.192
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	13	2.7	3.038	5.899	0.6	2.503	1.582	0.68	2.	4.35	5.579
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	13	11.	13.	35.	4.	57.833	7.605	5.2	8.5	15.5	27.8
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	11	23.	26.455	44.	19.	68.073	8.251	19.	21.	34.	42.6
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	13##	50.	926.923	8000.	50.	4816089.744	2194.559	50.	50.	900.	5520.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	13##	1.699	2.18	3.903	1.699	0.616	0.785	1.699	1.699	2.943	3.644
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		151.238									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-08/23/79	12	1.5	1.721	4.3	0.05	1.819	1.349	0.095	0.65	2.95	4.06
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-11/23/98	12	1.25	1.347	3.5	0.03	1.28	1.131	0.06	0.475	1.775	3.44

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

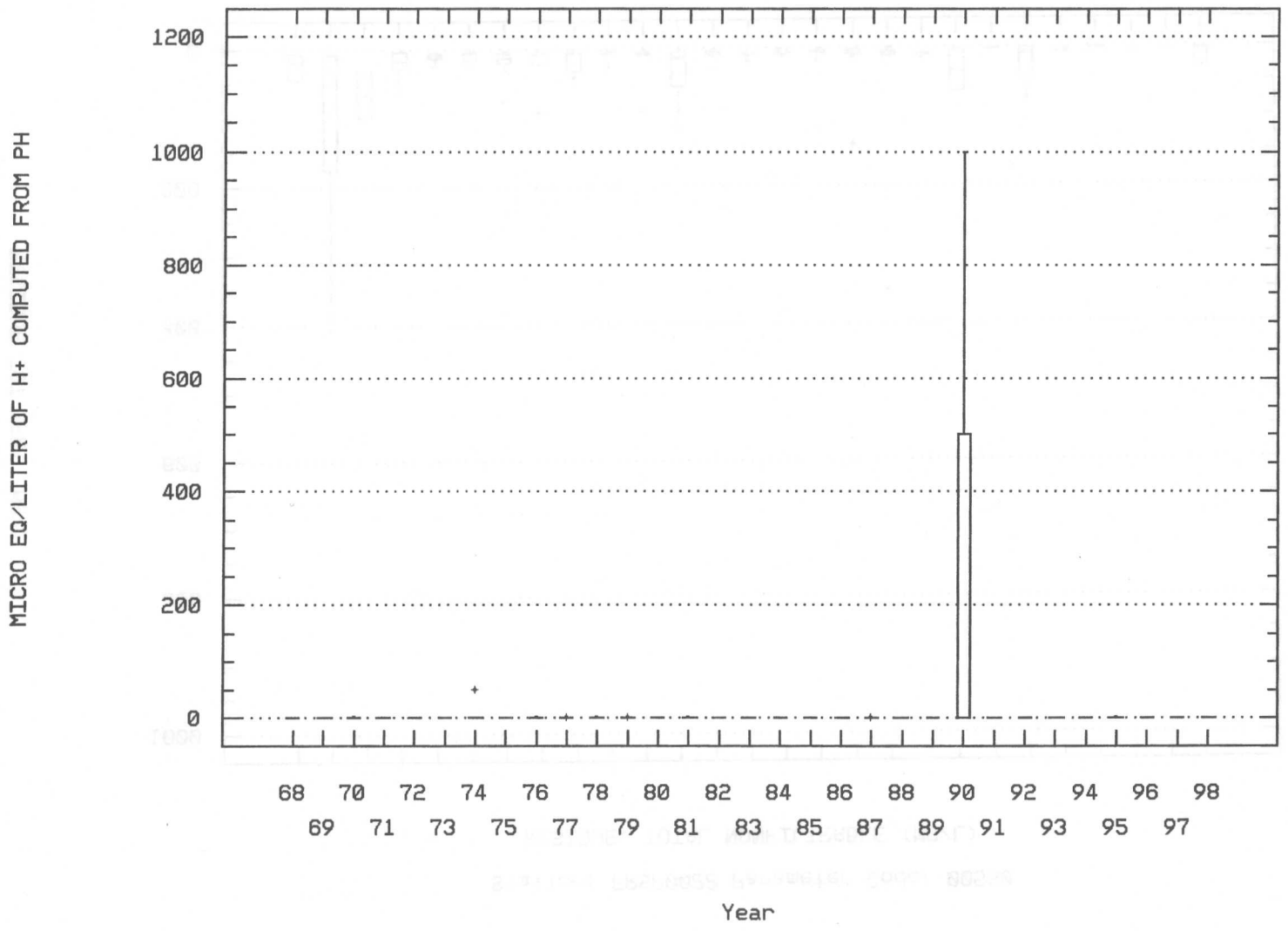
Annual Analysis for 1979 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	10	13.5	14.32	24.	6.2	25.702	5.07	6.58	10.375	17.875	23.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	5	194.	192.6	211.	173.	191.3	13.831	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	11	9.3	9.591	11.8	6.7	2.425	1.557	6.96	8.5	10.8	11.74
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	11	2.	2.727	8.	1.	3.818	1.954	1.	2.	3.	7.2
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	6	18.	17.333	27.	7.	43.867	6.623	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	10	7.2	7.03	7.4	6.1	0.185	0.43	6.14	6.8	7.325	7.4
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	10	7.189	6.784	7.4	6.1	0.252	0.502	6.14	6.8	7.325	7.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	10	0.065	0.165	0.794	0.04	0.056	0.236	0.04	0.048	0.173	0.747
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	11	9.	97.636	900.	2.	71462.455	267.325	2.6	7.	23.	738.4
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	11	3.	4.636	12.	0.	17.455	4.178	0.2	1.	9.	11.8
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	11	7.	12.455	80.	0.	512.073	22.629	0.2	5.	7.	66.4
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	1.3	1.382	3.4	0.5	0.638	0.799	0.58	0.9	1.4	3.16
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	0.05	0.119	0.8	0.02	0.052	0.229	0.022	0.03	0.07	0.67
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	5	1.6	1.68	3.5	0.5	1.262	1.123	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	11	1.8	2.318	5.1	1.1	1.464	1.21	1.16	1.6	3.2	4.84
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	5	1.4	1.62	2.4	1.2	0.272	0.522	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	5	1.4	1.58	2.4	1.	0.322	0.567	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	10	9.	9.4	17.	3.	14.044	3.748	3.3	7.5	11.25	16.5
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	5	20.	20.4	23.	18.	3.3	1.817	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	11	300.	2018.182	8000.	50.	10095136.364	3177.284	50.	100.	4100.	8000.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	11	2.477	2.665	3.903	1.699	0.682	0.826	1.699	2.	3.613	3.903
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		462.402									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-08/23/79	6	1.	1.083	2.1	0.3	0.502	0.708	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-11/23/98	6	0.95	1.04	2.	0.26	0.436	0.66	**	**	**	**

** - 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

Station: FRSP0022 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 3 BRIDGE

Annual Analysis for 1982 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	9	9.5	12.333	22.5	4.	48.002	6.928	4.	6.3	19.2	22.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	11	276.	257.545	380.	4.	14595.873	120.813	31.4	146.	367.	380.
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	11	10.2	9.955	12.3	7.9	2.969	1.723	7.9	8.1	11.4	12.22
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	11	4.	5.636	20.	2.	27.455	5.24	2.	2.	6.	17.8
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	11	20.	19.727	46.	0.	127.618	11.297	2.2	13.	24.	41.8
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	12	7.2	7.125	7.4	6.7	0.066	0.256	6.7	6.9	7.3	7.4
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	12	7.2	7.05	7.4	6.7	0.072	0.268	6.7	6.9	7.3	7.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	12	0.063	0.089	0.2	0.04	0.004	0.059	0.04	0.05	0.126	0.2
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	11	7.	14.455	92.	2.5	668.823	25.862	2.5	5.	10.	75.6
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	11	4.	4.545	12.	2.5	7.423	2.724	2.5	3.	5.	10.8
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	11	4.	10.364	80.	0.	536.805	23.169	0.4	2.	6.	65.2
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	2.	2.855	7.5	1.2	3.909	1.977	1.22	1.3	3.7	7.06
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	0.16	0.364	2.4	0.02	0.478	0.691	0.022	0.03	0.39	1.998
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	11	1.3	1.399	3.4	0.2	0.704	0.839	0.31	0.77	1.8	3.08
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	11	2.5	3.464	8.8	1.7	4.753	2.18	1.72	1.9	4.6	8.2
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	11	3.7	3.032	5.8	0.55	3.049	1.746	0.58	1.3	4.4	5.54
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	10	3.1	2.67	4.5	0.5	2.456	1.567	0.51	1.125	4.1	4.49
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	11	8.	7.909	17.	3.	14.291	3.78	3.2	5.	9.	15.8
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	10	75.	770.	6500.	0.	4076777.778	2019.103	5.	50.	350.	5900.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	10	1.849	1.978	3.813	0.	0.929	0.964	0.17	1.699	2.533	3.702
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		95.167									

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

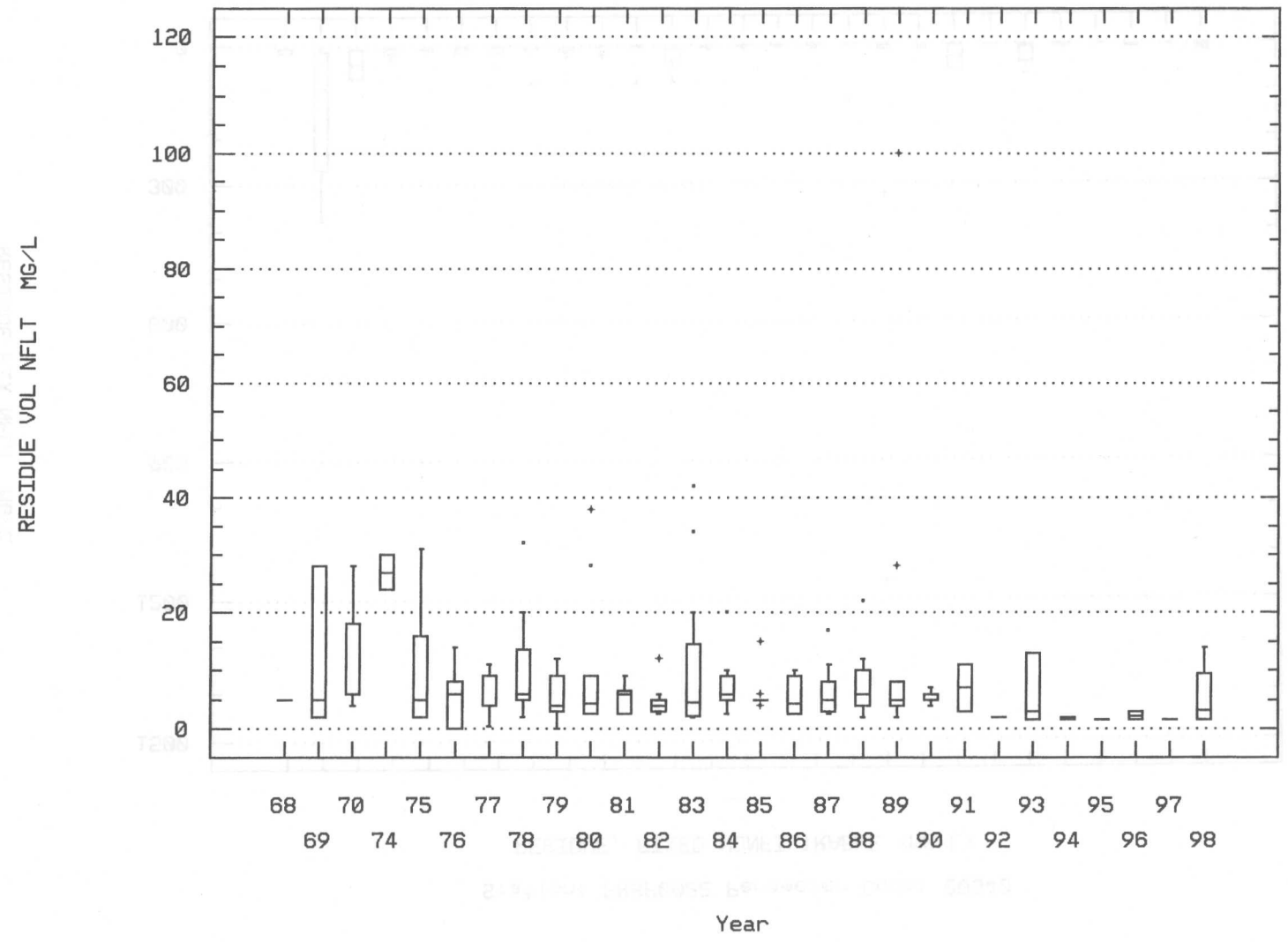
Annual Analysis for 1983 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	14	15.	14.071	23.5	6.	38.031	6.167	6.1	8.125	19.075	23.25
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	12	248.5	242.25	393.	112.	8114.568	90.081	119.8	169.75	324.75	381.9
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	14	9.4	9.7	11.9	6.4	2.723	1.65	7.15	8.45	11.425	11.75
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	12	6.5	9.917	23.	2.	74.265	8.618	2.	2.25	20.25	22.7
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	12	16.	34.417	139.	7.	1950.447	44.164	7.9	10.75	27.75	132.1
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	14	6.975	6.882	7.3	6.5	0.087	0.295	6.5	6.5	7.125	7.25
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	14	6.974	6.79	7.3	6.5	0.096	0.31	6.5	6.5	7.125	7.25
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	14	0.106	0.162	0.316	0.05	0.012	0.108	0.057	0.075	0.316	0.316
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	12	14.5	31.958	120.	2.5	1489.93	38.6	3.25	5.25	65.5	108.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	12	4.5	11.125	42.	2.	186.551	13.658	2.	2.125	17.25	39.6
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	12	10.	21.042	78.	0.	649.203	25.479	0.6	2.625	40.75	71.4
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	12	2.3	2.742	5.5	1.	2.71	1.646	1.03	1.325	4.5	5.44
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	12	0.07	0.138	0.43	0.005	0.024	0.156	0.007	0.023	0.25	0.43
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	12	0.925	1.979	8.1	0.4	5.368	2.317	0.451	0.6	3.045	7.02
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	12	3.3	3.817	7.7	1.2	4.671	2.161	1.29	2.125	5.375	7.55
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	12	1.65	2.256	5.8	0.22	3.53	1.879	0.289	0.8	3.65	5.62
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	11	1.2	1.972	5.75	0.22	2.971	1.724	0.26	0.8	3.5	5.3
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	12	9.5	12.	32.	3.	76.	8.718	3.3	8.	13.	30.5
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	12##	75.	2266.667	8000.	50.	12515606.061	3537.74	50.	50.	6675.	8000.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	12##	1.849	2.445	3.903	1.699	1.008	1.004	1.699	1.699	3.785	3.903
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		278.316									

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

Station: FRSP0022 Parameter Code: 00535

RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Annual Analysis for 1986 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	9	16.5	15.8	22.	2.5	38.218	6.182	2.5	12.4	20.7	22.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	9	304.	310.556	410.	185.	6402.028	80.013	185.	241.5	388.5	410.
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	9	8.	9.011	13.	6.6	5.096	2.257	6.6	7.	10.85	13.
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	10	8.5	8.9	14.	4.	10.767	3.281	4.1	6.5	12.25	13.9
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	10	21.	20.7	27.	14.	17.122	4.138	14.1	17.25	24.25	26.8
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	10	7.	6.86	7.5	6.3	0.172	0.414	6.3	6.45	7.15	7.48
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	10	7.	6.692	7.5	6.3	0.203	0.45	6.3	6.45	7.15	7.48
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	10	0.1	0.203	0.501	0.032	0.033	0.18	0.033	0.072	0.362	0.501
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	10##	4.25	5.85	13.	2.5	17.225	4.15	2.5	2.5	9.75	12.9
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	10##	4.25	5.25	10.	2.5	9.958	3.156	2.5	2.5	9.	9.9
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	9##	2.5	2.056	4.	0.	1.653	1.286	0.	1.	2.5	4.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	10	3.3	3.135	5.5	0.7	2.16	1.47	0.745	2.013	4.2	5.4
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	10	0.205	0.741	5.5	0.01	2.828	1.682	0.012	0.045	0.478	5.
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	9	0.65	0.696	1.35	0.3	0.136	0.369	0.3	0.345	1.025	1.35
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	10	3.1	3.785	8.	0.7	4.361	2.088	0.86	2.6	5.25	7.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	9	1.6	3.033	7.5	1.2	5.268	2.295	1.2	1.25	4.8	7.5
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	10	2.15	3.065	6.75	0.95	5.004	2.237	0.97	1.188	5.563	6.65
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	10	7.5	7.3	9.	5.	1.344	1.16	5.1	6.75	8.	8.9
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	9##	50.	79.222	213.	50.	2985.444	54.639	50.	50.	100.	213.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	9##	1.699	1.836	2.328	1.699	0.051	0.226	1.699	1.699	2.	2.328
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		68.517									

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

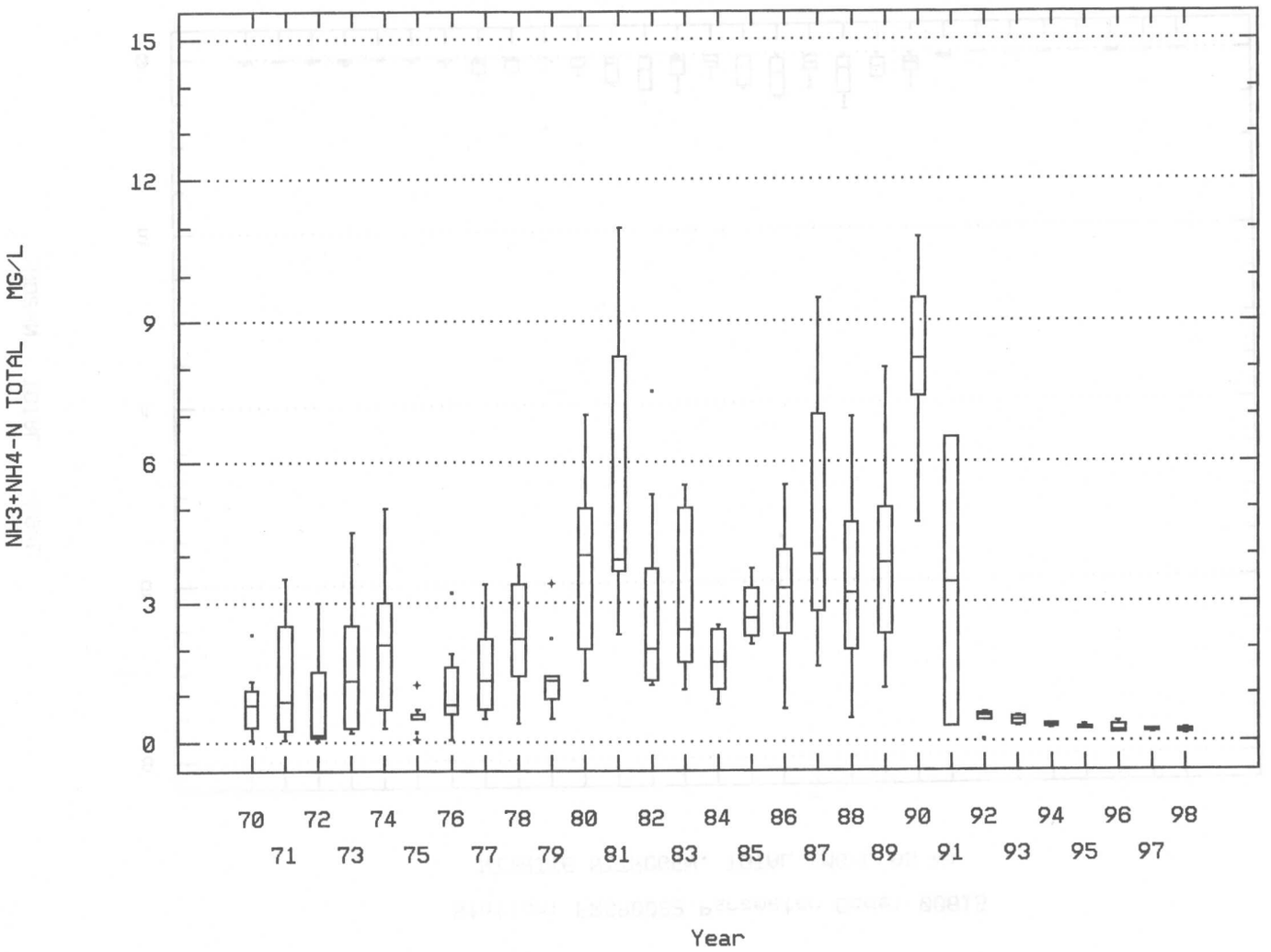
Annual Analysis for 1987 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	9	17.2	18.489	26.	9.7	37.351	6.112	9.7	13.1	24.35	26.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	9	284.	306.444	487.	107.	14425.528	120.106	107.	218.	412.	487.
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	8	8.3	8.413	10.8	5.6	3.318	1.822	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	9	13.	12.111	33.	3.	78.361	8.852	3.	5.5	13.	33.
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	9	24.	25.222	34.	13.	49.694	7.049	13.	20.	31.5	34.
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	9	7.4	7.322	7.6	6.6	0.092	0.303	6.6	7.25	7.55	7.6
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	9	7.4	7.194	7.6	6.6	0.11	0.332	6.6	7.25	7.55	7.6
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	9	0.04	0.064	0.251	0.025	0.005	0.071	0.025	0.028	0.057	0.251
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	9	6.	8.222	19.	2.5	35.132	5.927	2.5	3.75	13.	19.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	9	5.	6.778	17.	2.5	22.632	4.757	2.5	2.75	9.5	17.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	9##	2.5	2.667	8.	0.	5.063	2.25	0.	1.5	2.75	8.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	9	4.	4.978	9.5	1.6	8.482	2.912	1.6	2.4	8.	9.5
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	9	0.11	0.13	0.38	0.02	0.013	0.114	0.02	0.03	0.19	0.38
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	9	0.38	0.438	0.8	0.32	0.023	0.15	0.32	0.345	0.495	0.8
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	9	5.	6.744	15.	2.1	17.885	4.229	2.1	4.	10.25	15.
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	9	2.	1.939	4.25	0.2	1.314	1.146	0.2	1.15	2.5	4.25
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	9	1.85	1.692	3.5	0.13	1.02	1.01	0.13	0.95	2.325	3.5
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	5	7.	8.6	14.	6.	10.3	3.209	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	9	200.	1788.889	8000.	50.	7849861.111	2801.76	50.	50.	3700.	8000.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	9	2.301	2.512	3.903	1.699	0.857	0.926	1.699	1.699	3.568	3.903
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		325.441									

** - Less than 9 observations ## - Computed 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: FRSP0022 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Annual Analysis for 1990 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	6	19.8	17.667	24.7	7.8	43.747	6.614	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	2	390.	390.	408.	372.	648.	25.456	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	6	8.15	8.8	12.	7.2	3.868	1.967	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	6	7.5	9.	15.	5.	16.4	4.05	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	7	27.	28.571	43.	14.	119.952	10.952	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	4	7.15	6.175	7.4	3.	4.509	2.123	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	4	7.125	3.602	7.4	3.	13.336	3.652	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	4	0.075	250.047	1000.	0.04	249968.347	499.968	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	7	10.	11.286	17.	9.	7.238	2.69	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	7	6.	5.571	7.	4.	0.952	0.976	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	7	5.	5.714	11.	3.	7.238	2.69	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	5	8.2	8.12	10.8	4.7	5.327	2.308	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	5	0.12	0.168	0.42	0.02	0.025	0.157	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	5	0.49	0.762	1.93	0.41	0.429	0.655	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	5	11.	13.56	25.	8.5	46.643	6.83	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	5	0.9	0.98	1.5	0.7	0.097	0.311	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	5	0.77	0.8	1.25	0.57	0.071	0.267	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	7	8.9	8.429	10.1	5.6	2.346	1.532	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	6	33.5	35.	44.	30.	27.2	5.215	**	**	**	**

** - 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 1991 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	2	14.7	14.7	21.6	7.8	95.22	9.758	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	08/06/68-08/15/91	2	9.4	9.4	11.	7.8	5.12	2.263	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	2	17.5	17.5	19.	16.	4.5	2.121	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	2	7.	7.	7.7	6.3	0.98	0.99	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	2	6.584	6.584	7.7	6.3	1.326	1.152	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	2	0.261	0.261	0.501	0.02	0.116	0.34	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	2	34.5	34.5	64.	5.	1740.5	41.719	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	2	7.	7.	11.	3.	32.	5.657	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	2	27.5	27.5	53.	2.	1300.5	36.062	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	2	3.415	3.415	6.5	0.33	19.034	4.363	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	2	0.05	0.05	0.07	0.03	0.001	0.028	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	2	1.275	1.275	1.45	1.1	0.061	0.247	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	2	4.25	4.25	7.7	0.8	23.805	4.879	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	2	0.75	0.75	1.2	0.3	0.405	0.636	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/27/78-03/17/92	2	0.44	0.44	0.82	0.06	0.289	0.537	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	2	6.7	6.7	11.1	2.3	38.72	6.223	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	2	26.	26.	39.	13.	338.	18.385	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	1	9200.	9200.	9200.	9200.	0.	0.	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	1	3.964	3.964	3.964	3.964	0.	0.	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		9200.									

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

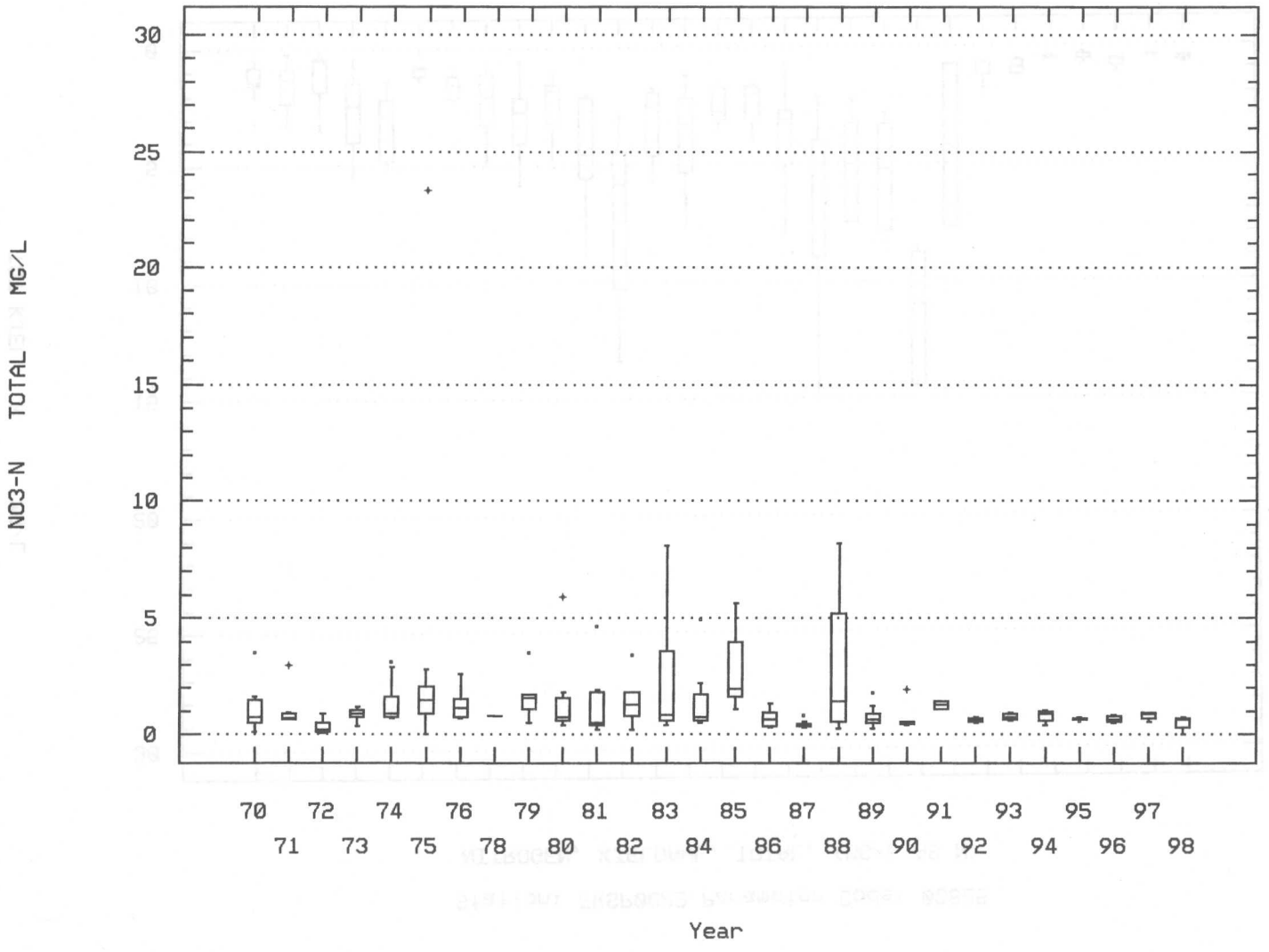
Annual Analysis for 1992 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	5	7.8	10.7	19.4	3.9	50.71	7.121	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	5	158.	159.	167.	153.	35.5	5.958	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	5	1.	1.6	3.	1.	0.8	0.894	**	**	**	**

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

Station: FRSP0022 Parameter Code: 00620

NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Annual Analysis for 1994 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	4	12.5	12.5	16.	9.	16.333	4.041	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	4	7.4	7.525	7.9	7.4	0.063	0.25	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	4	7.4	7.481	7.9	7.4	0.065	0.255	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	4	0.04	0.033	0.04	0.013	0.	0.014	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	4	5.	5.625	11.	1.5	16.229	4.029	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	4##	1.75	1.75	2.	1.5	0.083	0.289	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	4##	2.75	4.	9.	1.5	12.5	3.536	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	4	0.34	0.333	0.37	0.28	0.002	0.041	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	4	0.015	0.018	0.03	0.01	0.	0.01	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	4	0.9	0.81	1.03	0.41	0.08	0.283	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	4	0.6	0.575	0.6	0.5	0.002	0.05	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	4##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	4	3.45	3.4	3.8	2.9	0.153	0.392	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	4	13.	12.75	14.	11.	2.25	1.5	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	4##	275.	375.	900.	50.	167500.	409.268	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	4##	2.199	2.263	2.954	1.699	0.435	0.659	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		183.142									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-11/23/98	4	0.025	0.03	0.05	0.02	0.	0.014	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	5	10.3	11.18	21.8	2.4	58.357	7.639	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	5	144.	148.2	165.	136.	136.7	11.692	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	5	1.3	1.38	2.	1.	0.137	0.37	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	5	6.	8.	16.	2.5	38.375	6.195	**	**	**	**
00400p PH (STANDARD UNITS)		08/06/68-11/23/98	5	7.4	7.42	7.6	7.2	0.022	0.148	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		08/06/68-11/23/98	5	7.4	7.399	7.6	7.2	0.023	0.15	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-11/23/98	5	0.04	0.04	0.063	0.025	0.	0.014	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/27/69-11/23/98	5	3.	2.6	4.	1.5	1.175	1.084	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/23/98	5##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)		02/27/69-11/23/98	5##	1.5	1.8	3.	1.5	0.45	0.671	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-11/23/98	5	0.27	0.28	0.35	0.24	0.002	0.046	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	5	0.01	0.013	0.02	0.005	0.	0.007	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-11/23/98	5	0.64	0.64	0.73	0.54	0.005	0.07	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		04/13/70-11/23/98	5	0.4	0.5	0.8	0.3	0.04	0.2	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/27/78-11/23/98	5##	0.05	0.09	0.2	0.05	0.004	0.065	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		10/22/74-07/01/96	5	3.5	3.86	6.1	2.2	2.343	1.531	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-11/23/98	5	15.	15.4	19.	14.	4.3	2.074	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	5	100.	390.	1200.	50.	238000.	487.852	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-11/23/98	5	2.	2.295	3.079	1.699	0.327	0.572	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		197.435									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-11/23/98	5	0.03	0.04	0.06	0.03	0.	0.014	**	**	**	**

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

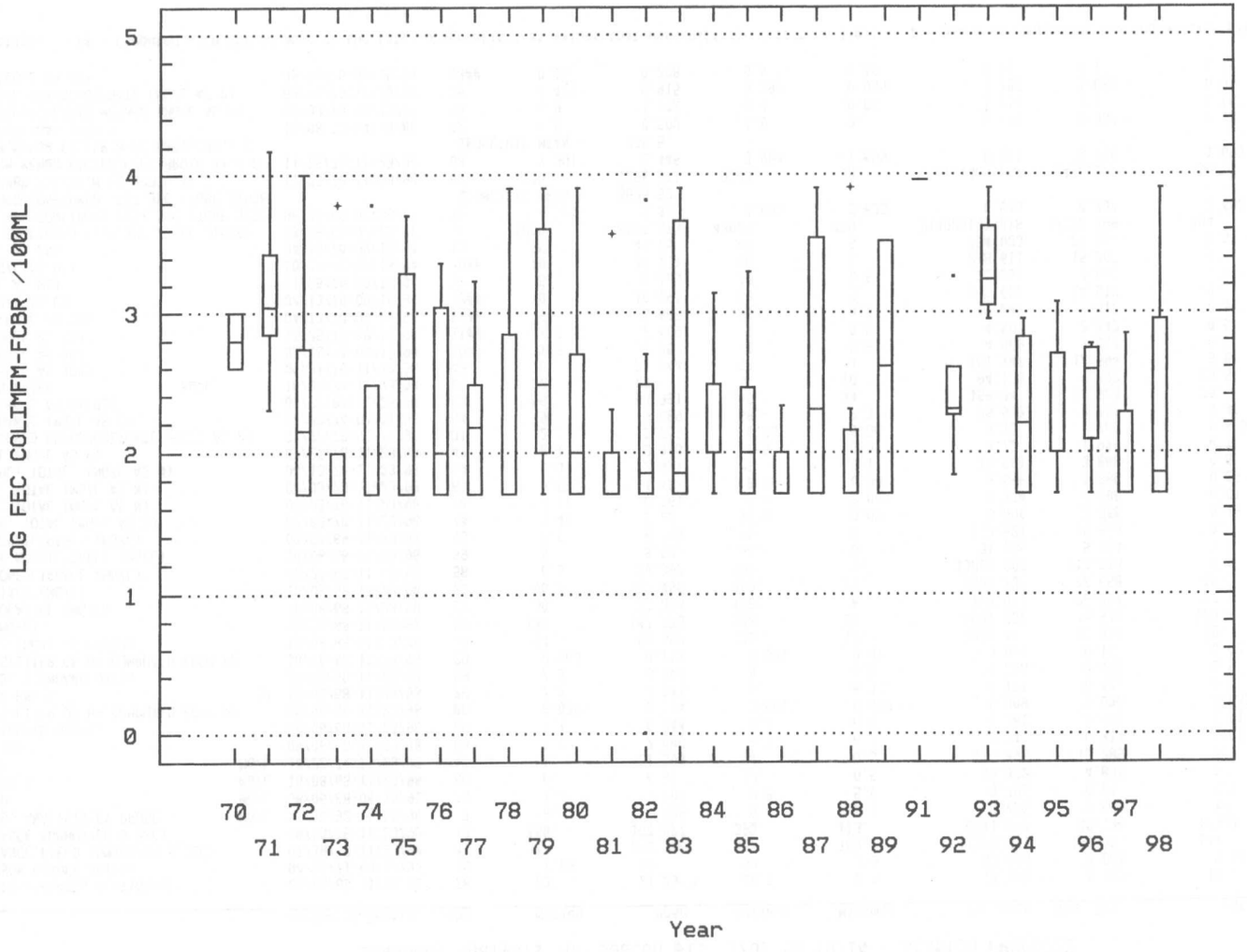
Annual Analysis for 1996 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-11/23/98	4	10.95	11.225	21.1	1.9	64.623	8.039	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-11/23/98	4	142.	220.	470.	126.	27840.667	166.855	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-11/23/98	4	1.5	1.375	2.	0.5	0.563	0.75	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	10/22/74-11/23/98	4	12.	15.75	29.	10.	79.583	8.921	**	**	**	**

** - Less than 9 observations ## - Computed 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: FRSP0022 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



RT. 3 BRIDGE

Annual Analysis for 1998 - Station FRSP0022

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	08/06/68-11/23/98	4	0.163	0.157	0.251	0.05	0.008	0.088	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	14.	16.	32.	4.	190.	13.784	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4##	3.25	5.5	14.	1.5	34.833	5.902	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	10.5	10.125	18.	1.5	83.063	9.114	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.2	0.205	0.26	0.16	0.002	0.048	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4##	0.008	0.013	0.03	0.005	0.	0.012	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.63	0.502	0.73	0.02	0.106	0.326	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.55	0.6	0.8	0.5	0.02	0.141	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	4	13.5	13.5	16.	11.	5.667	2.38	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4##	75.	2050.	8000.	50.	15735000.	3966.737	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4##	1.849	2.325	3.903	1.699	1.127	1.061	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		211.474									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.045	0.065	0.14	0.03	0.003	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: 10/15 to 3/31 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	19	143.	182.316	461.	108.	8742.673	93.502	114.	134.	196.	346.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	15	11.5	11.627	13.4	9.6	1.241	1.114	9.72	11.	12.3	13.34
00300 OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	97	11.1	10.805	13.2	4.6	2.244	1.498	9.	10.	11.8	12.64
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	91	3.	4.987	30.	0.5	22.975	4.793	2.	2.	6.	10.8
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	67	18.	21.985	153.	0.	500.492	22.372	7.8	12.	22.	35.6
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	108	7.	6.996	8.5	6.	0.17	0.412	6.5	6.7	7.3	7.5
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	108	7.	6.809	8.5	6.	0.205	0.453	6.5	6.7	7.3	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	108	0.1	0.155	1.	0.003	0.03	0.173	0.032	0.05	0.2	0.316
00403p PH, LAB, STANDARD UNITS SU	10/08/68-11/23/98	32	6.8	6.875	7.7	6.	0.169	0.411	6.4	6.6	7.2	7.47
00403p CONVERTED PH, LAB, STANDARD UNITS	10/08/68-11/23/98	32	6.8	6.694	7.7	6.	0.203	0.45	6.4	6.6	7.2	7.47
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-11/23/98	32	0.158	0.202	1.	0.02	0.042	0.204	0.034	0.063	0.251	0.398
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-11/23/98	32	21.	29.781	91.	7.	398.305	19.958	13.	16.	41.75	63.6
00500p RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	31	134.	217.581	1447.	87.	68215.852	261.182	90.	102.	209.	488.4
00505p RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	31	40.	48.323	153.	10.	1165.159	34.134	16.8	27.	58.	112.
00510p RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	31	90.	169.258	1294.	45.	55027.998	234.58	60.6	69.	148.	405.6
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	91	7.	19.615	348.	0.5	2034.706	45.108	2.5	4.	15.	30.6
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	91	3.	7.132	100.	0.	148.166	12.172	1.5	2.	8.	14.8
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	92	3.5	26.315	1160.	0.	15877.378	126.005	1.	2.	8.75	17.4
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	110	1.2	1.86	9.	0.05	3.394	1.842	0.231	0.5	2.7	4.195
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	110	0.02	0.043	0.33	0.005	0.004	0.061	0.005	0.01	0.043	0.109
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	94	0.87	1.43	23.29	0.02	6.093	2.468	0.375	0.627	1.625	2.32
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	107	2.	2.792	19.3	0.2	8.264	2.875	0.5	1.	3.2	6.1
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	64	1.2	1.323	4.5	0.05	1.508	1.228	0.05	0.263	1.675	3.85
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	50	1.2	1.507	4.5	0.03	1.382	1.176	0.384	0.795	1.8	3.86
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	77	8.	9.295	48.	1.8	43.353	6.584	3.76	5.7	11.	14.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	29	42.	42.31	68.	28.	98.793	9.939	31.	34.	49.	54.
00940 CHLORIDE,TOTAL IN WATER MG/L	10/22/74-11/23/98	25	15.	74.36	1300.	6.	65701.99	256.324	10.	13.	28.5	73.6
00945p SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	59	17.	18.542	40.	1.	67.218	8.199	11.	14.	22.	31.
01002 ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	8##	1.25	1.875	5.	0.5	2.125	1.458	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	10##	5.	4.65	5.	1.5	1.225	1.107	1.85	5.	5.	5.
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	12##	5.	7.5	25.	5.	34.091	5.839	5.	5.	8.75	20.5
01042 COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	12##	5.	7.917	25.	5.	47.538	6.895	5.	5.	5.	23.5
01051 LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	13##	5.	6.885	22.	1.	28.84	5.37	1.2	5.	10.	17.2
01067 NICKEL, TOTAL (UG/L AS NI)	10/29/79-09/15/94	3##	25.	46.667	110.	5.	3108.333	55.752	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	12	27.	26.583	60.	5.	342.811	18.515	5.	6.25	40.	57.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	4	17500.	20075.	43000.	2300.	313089166.667	17694.326	**	**	**	**
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/06/68-07/25/77	4	4.211	4.104	4.633	3.362	0.304	0.551	**	**	**	**
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	12711.595								
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	100	100.	835.61	8000.	0.	3215787.735	1793.262	50.	50.	600.	2660.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	100	2.	2.255	3.903	0.	0.527	0.726	1.699	1.699	2.778	3.424
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	179.747								
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	26	0.1	0.154	0.6	0.	0.034	0.184	0.	0.	0.225	0.5
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	44	0.4	0.734	4.3	0.05	0.848	0.921	0.05	0.3	0.8	1.85
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	58	0.25	0.44	3.5	0.01	0.407	0.638	0.02	0.03	0.603	1.109
71900 MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	12##	0.25	0.242	0.55	0.15	0.012	0.108	0.15	0.15	0.25	0.46

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

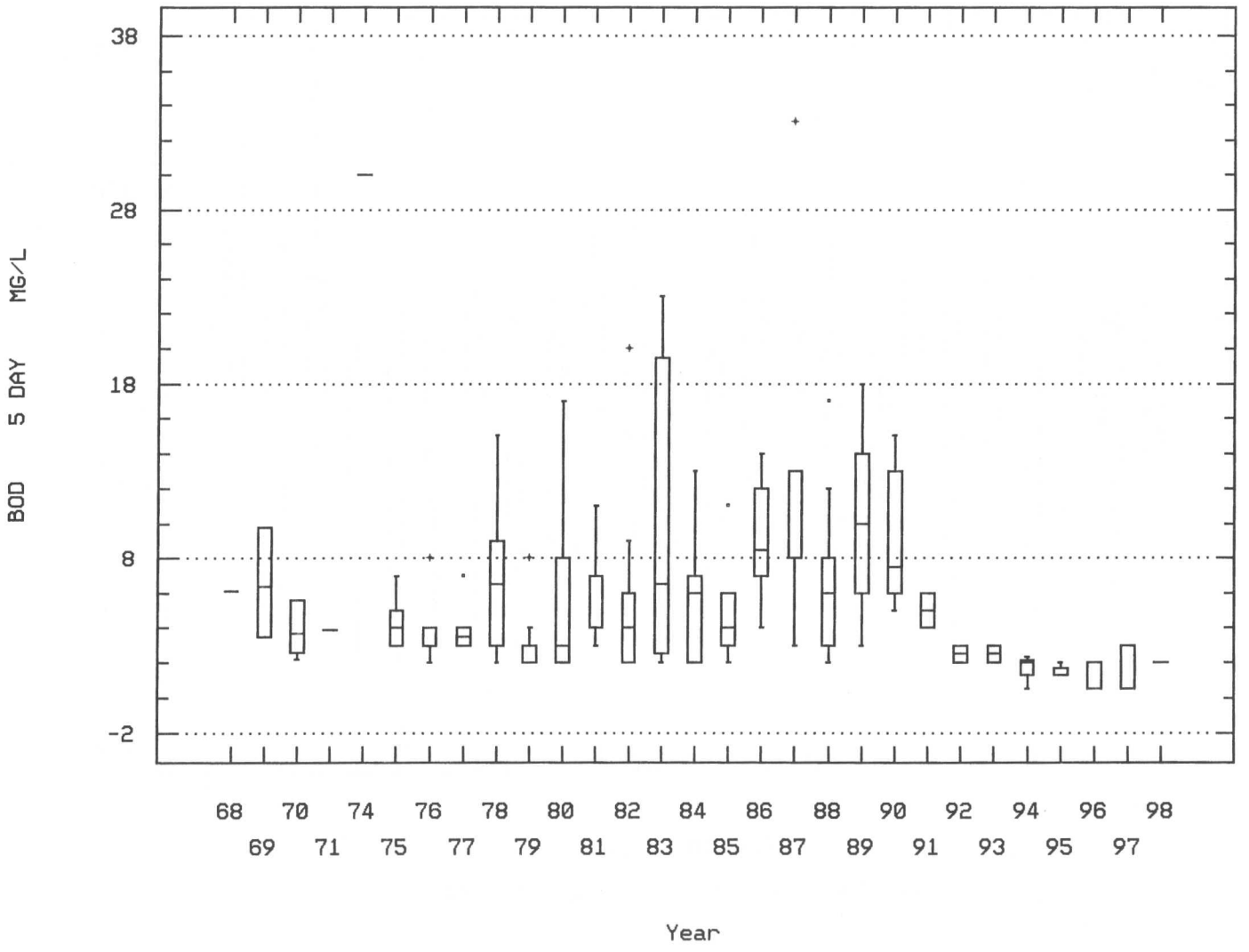
Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	70	16.7	15.959	26.	4.	22.829	4.778	9.1	12.85	19.5	22.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-03/17/92	8	11.3	12.425	23.	5.	39.776	6.307	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	35	244.	234.029	487.	107.	7778.911	88.198	123.2	166.	292.	363.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	9	132.	173.111	329.	102.	7936.861	89.089	102.	120.	239.5	329.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	7	9.8	9.8	11.7	8.3	1.317	1.147	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	65	8.8	9.077	11.6	6.4	1.386	1.177	7.8	8.2	10.	10.84

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

Station: FRSP0022 Parameter Code: 00310

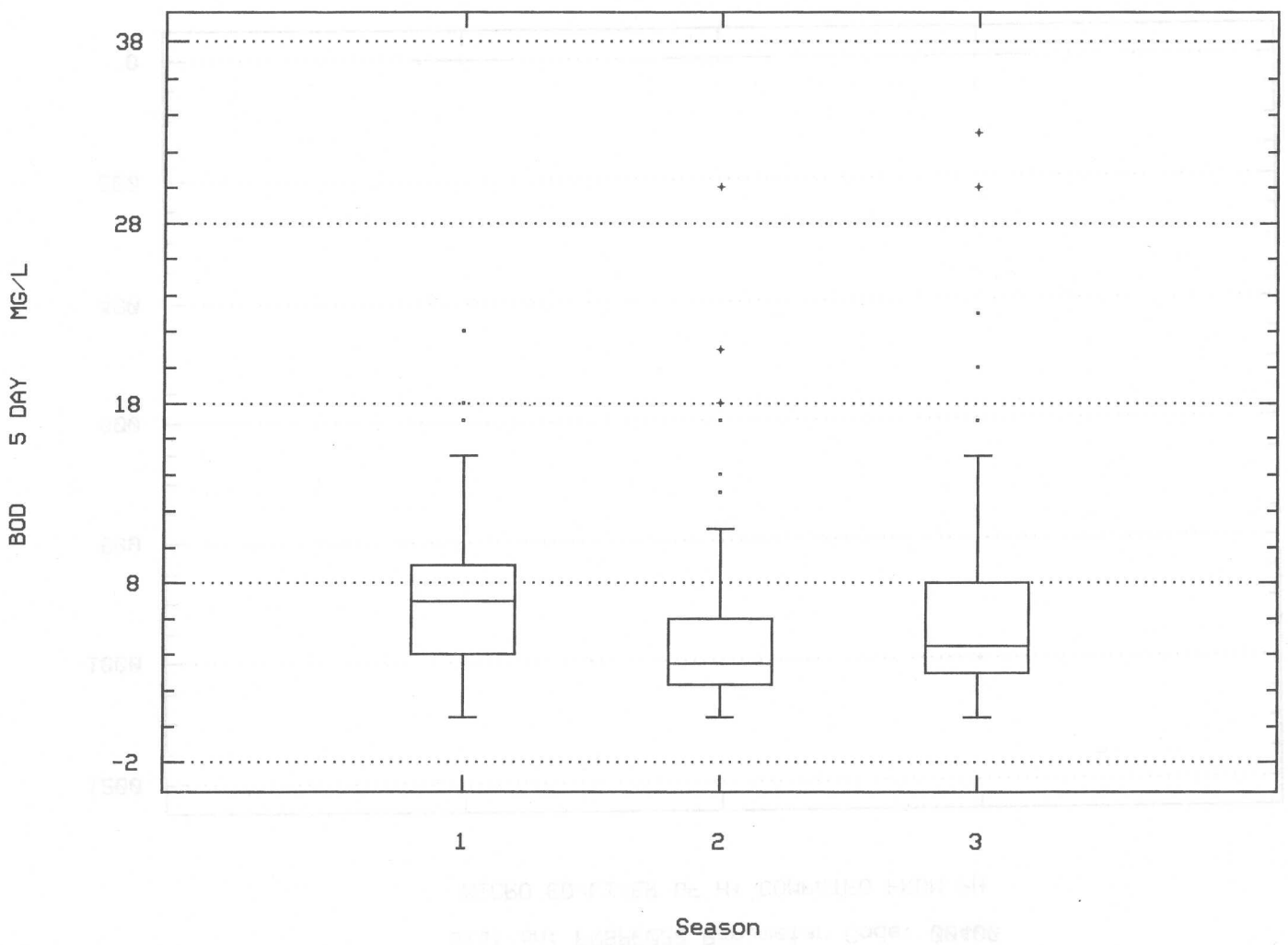
BOD, 5 DAY, 20 DEG C



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00310

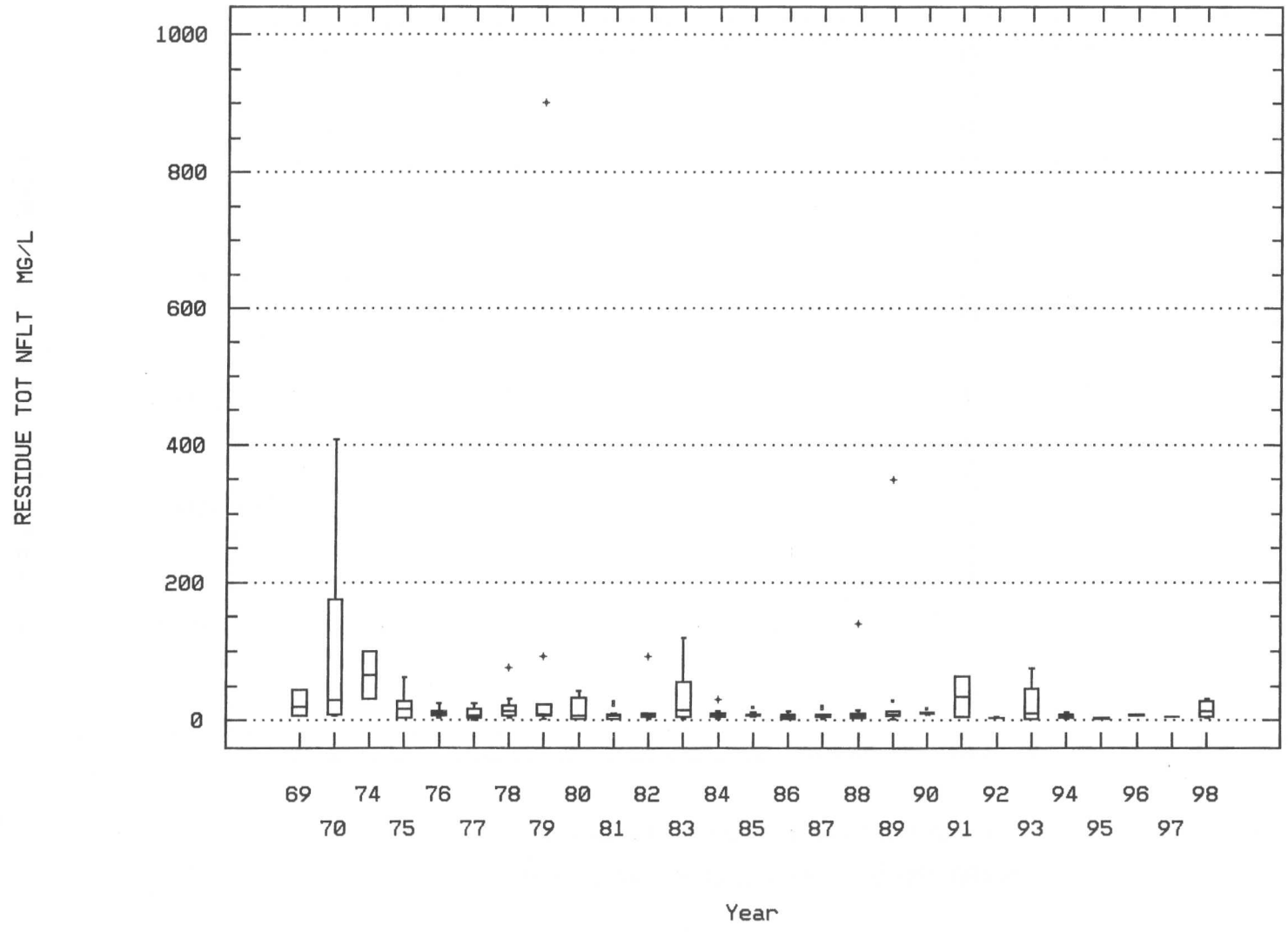
BOD, 5 DAY, 20 DEG C



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00530

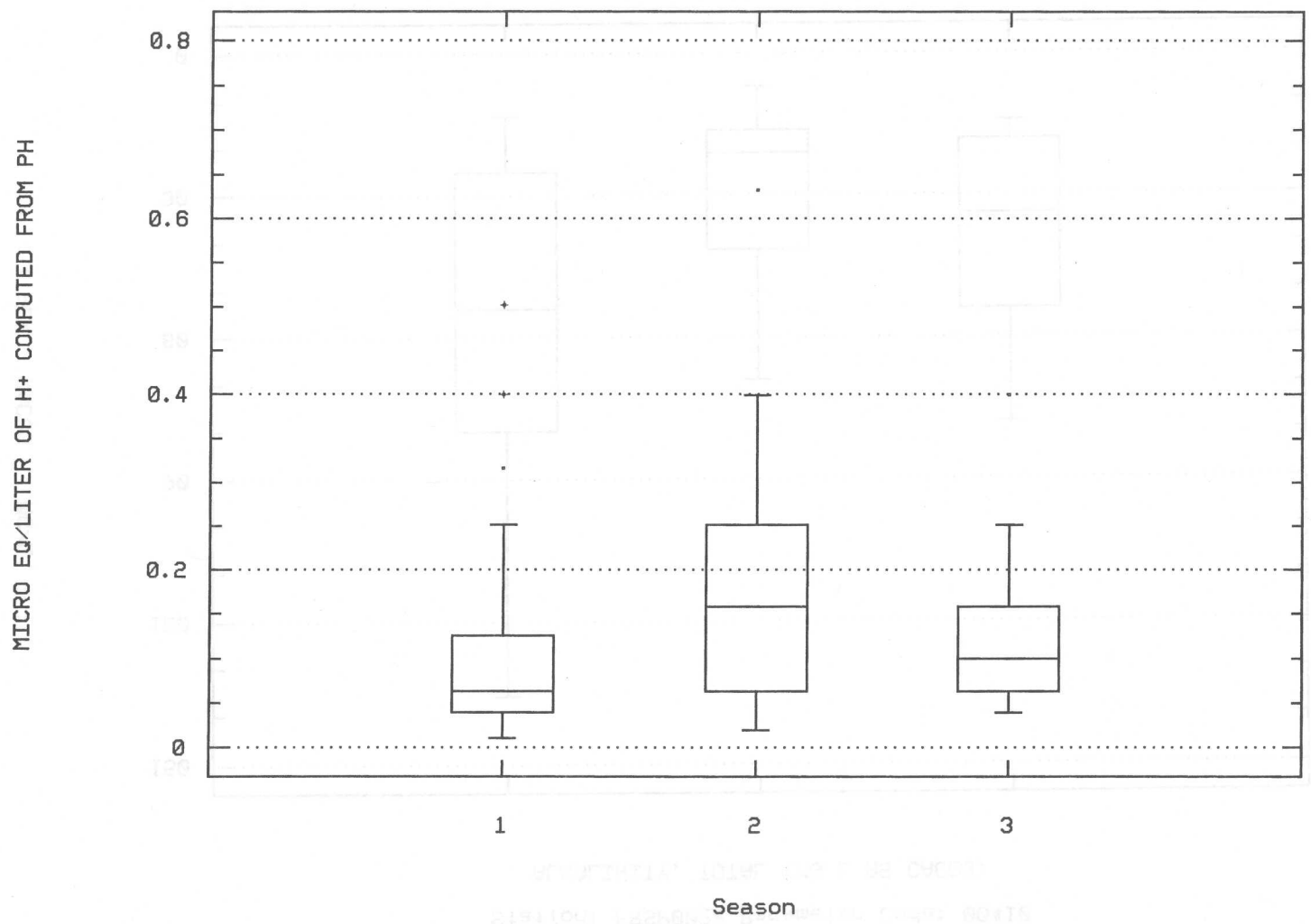
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00403

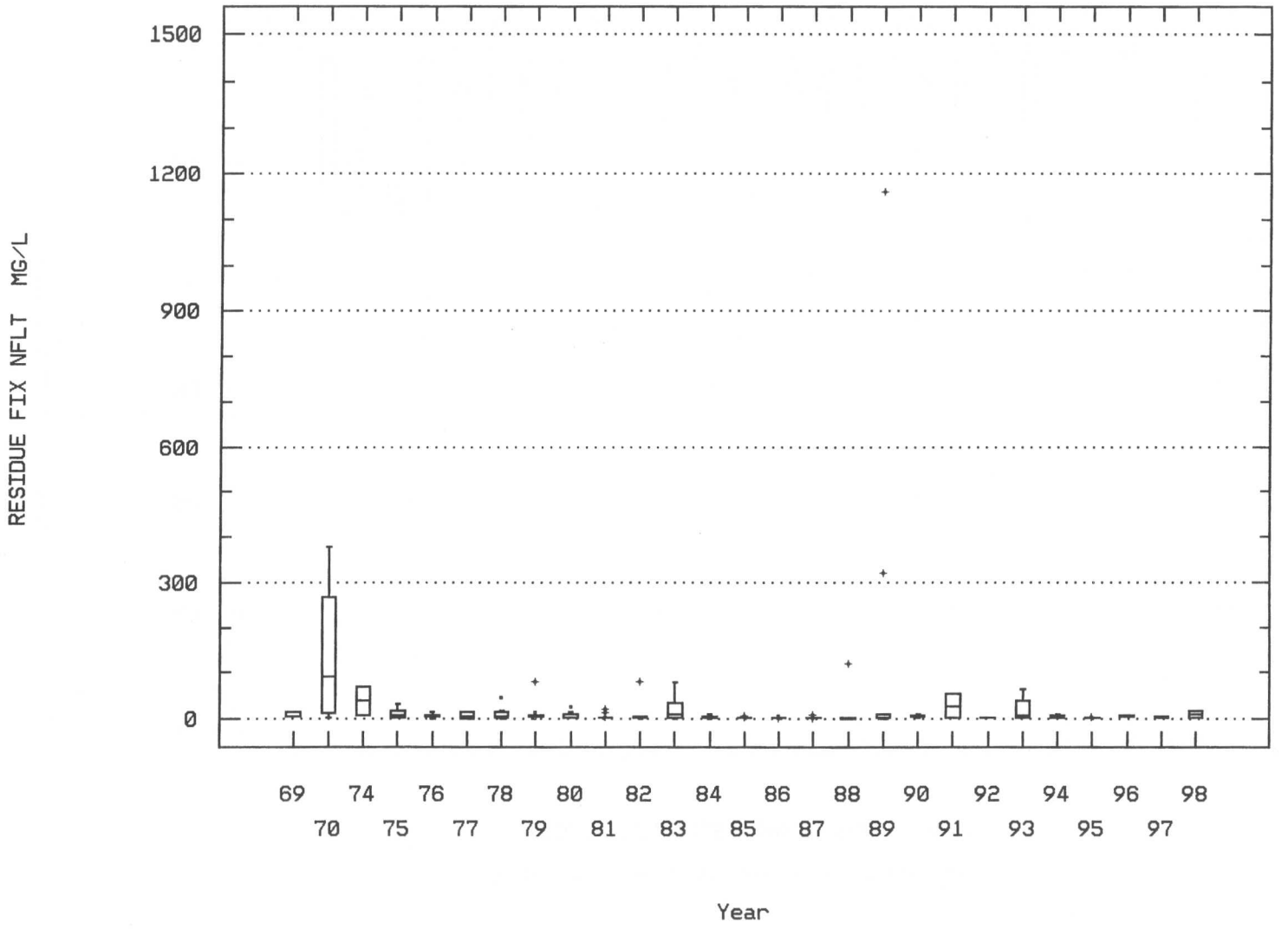
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00540

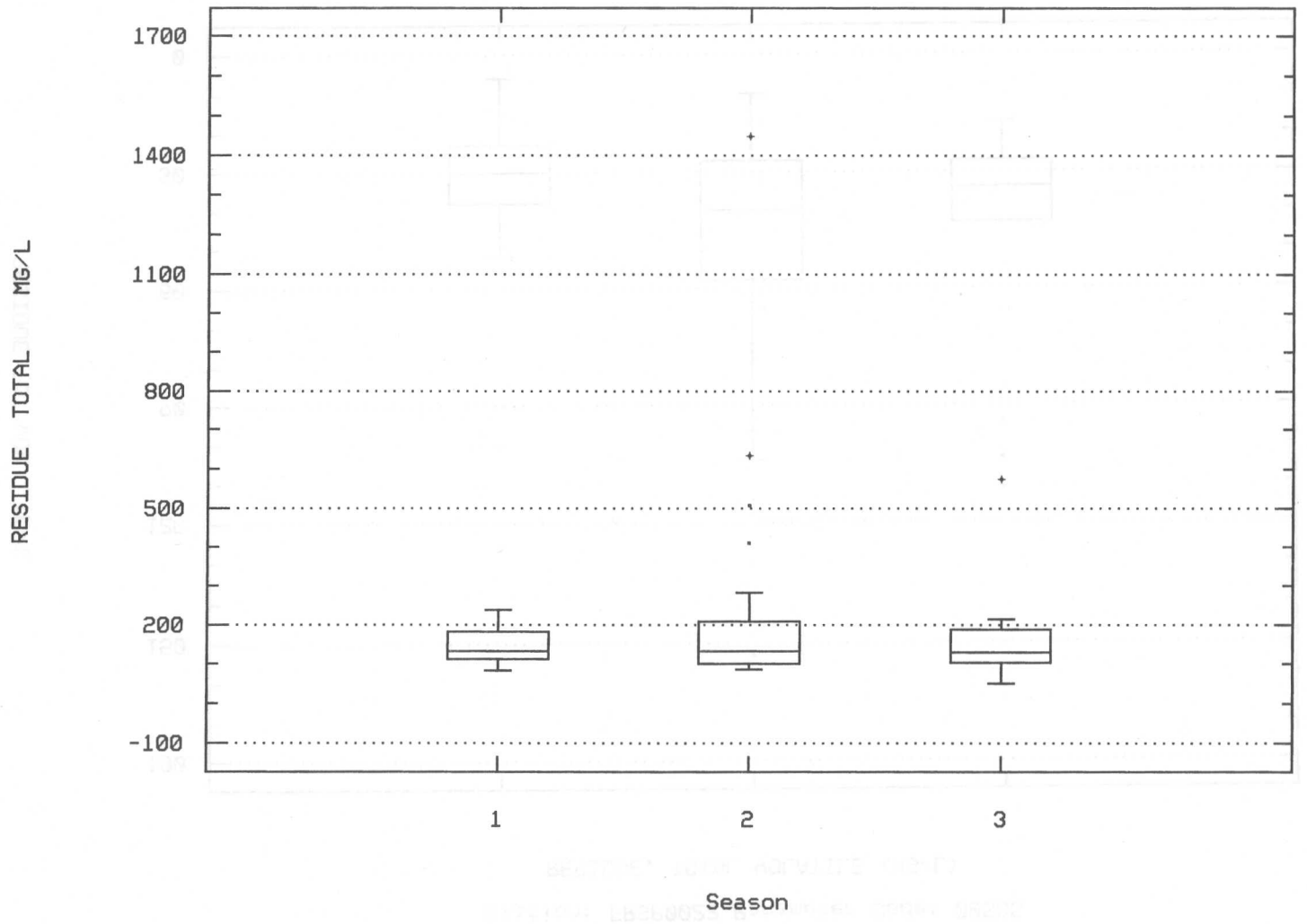
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00500

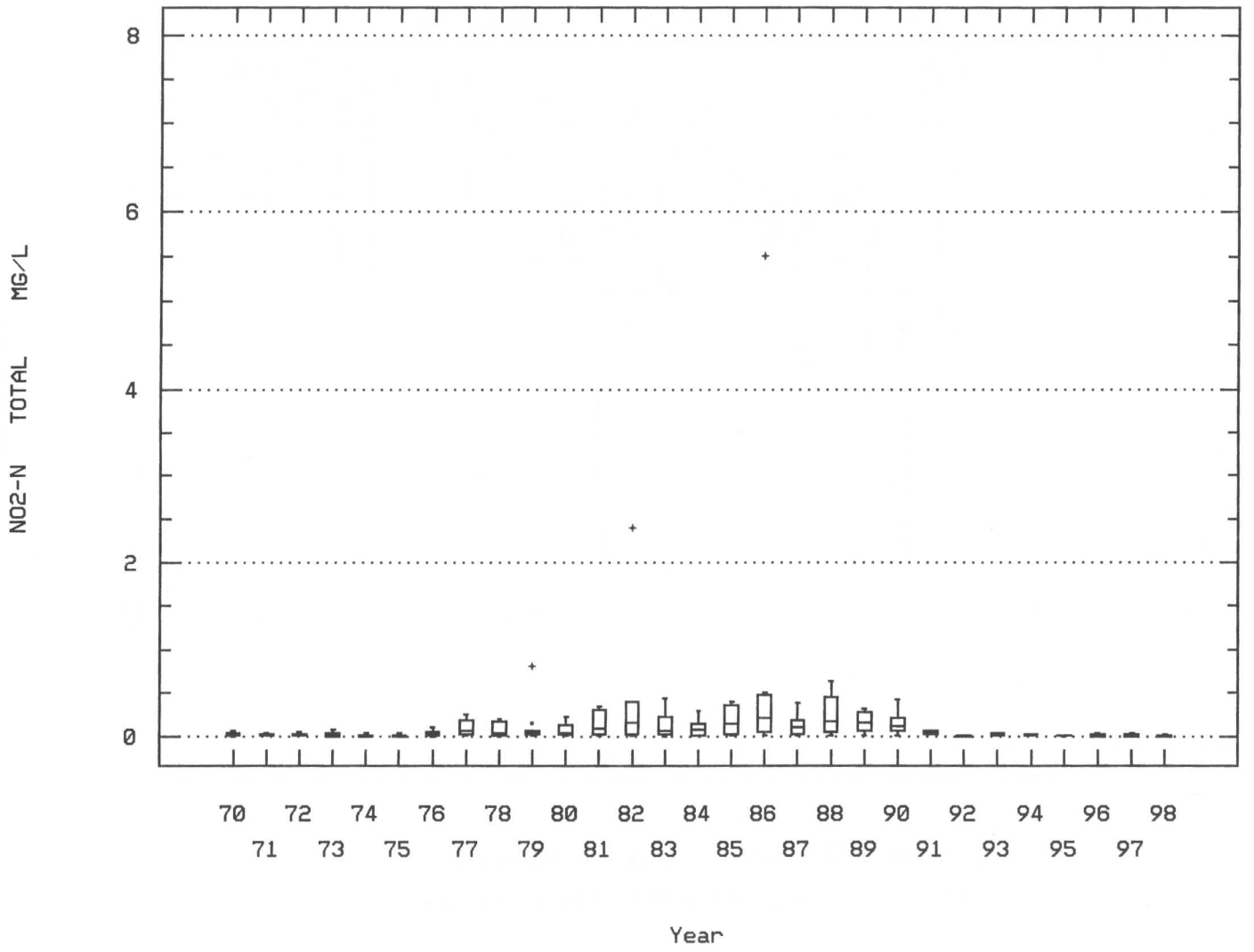
RESIDUE, TOTAL (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00615

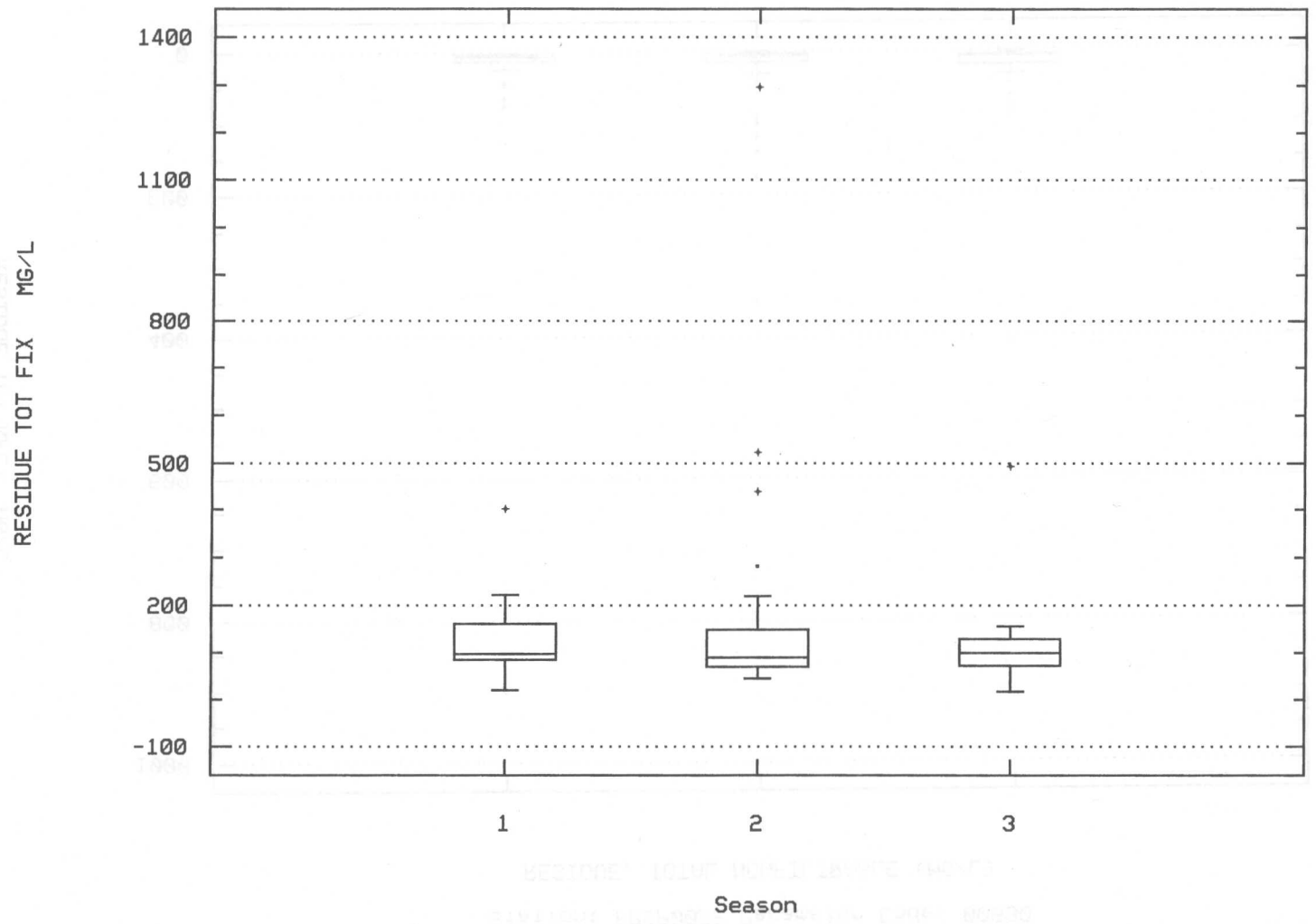
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00510

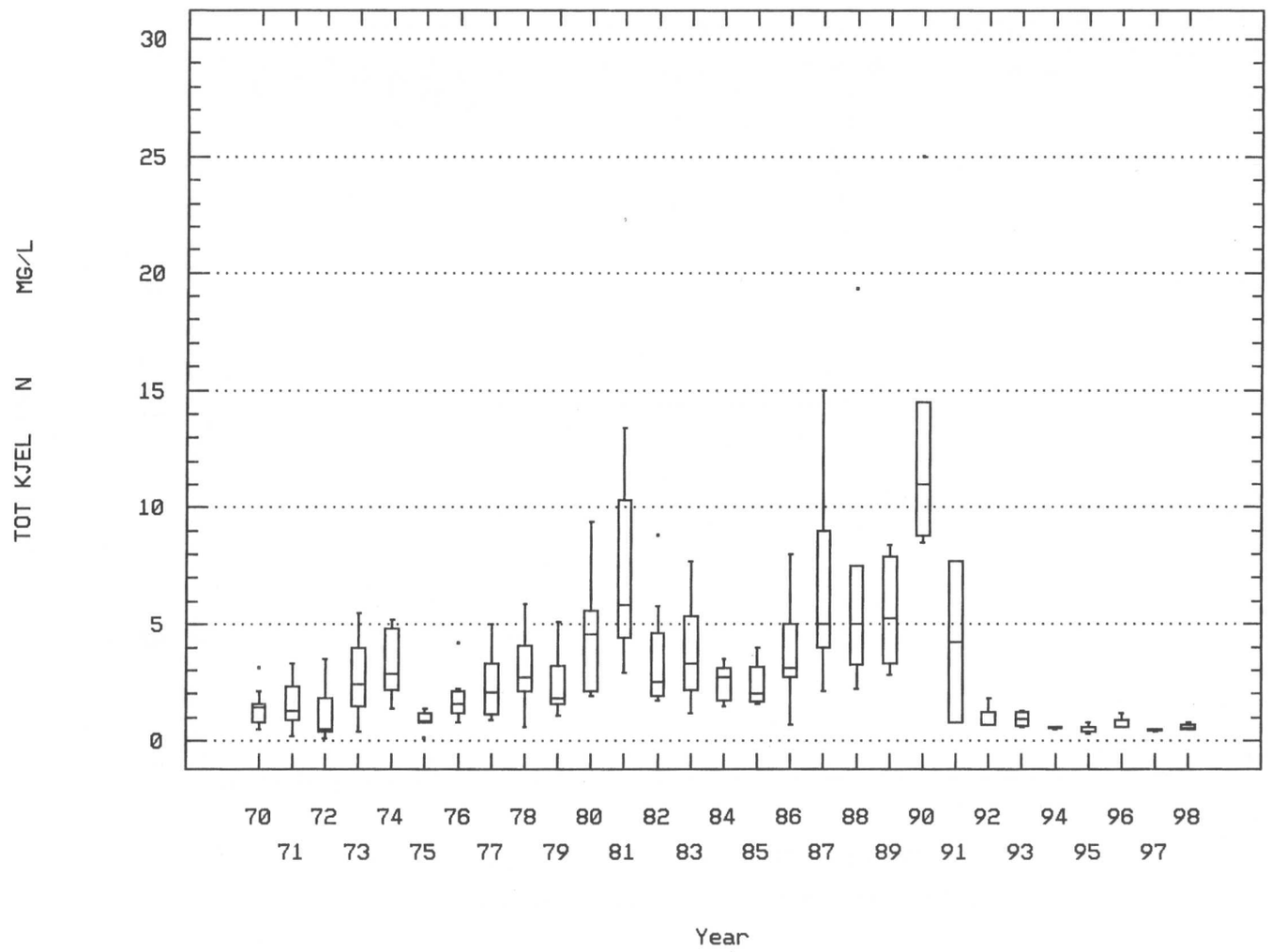
RESIDUE, TOTAL FIXED (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00625

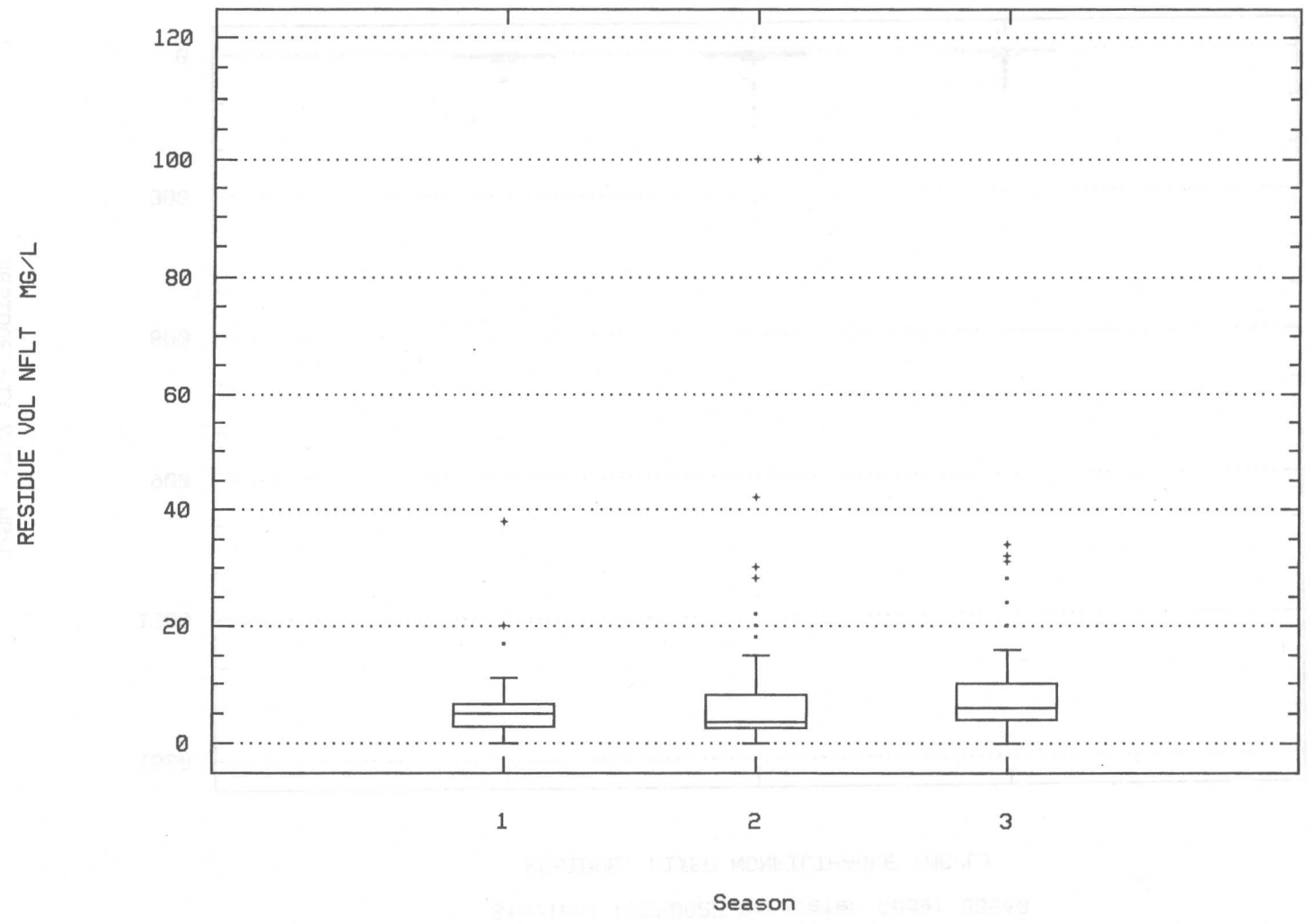
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00535

RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	78	22.	21.39	26.7	2.5	13.862	3.723	16.7	19.775	23.9	25.6
00070 TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-03/17/92	10	7.85	10.	34.	3.5	82.098	9.061	3.55	4.3	10.425	32.1
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	41	317.	298.268	487.	103.	11204.251	105.85	144.	192.	390.	409.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	13	150.	192.077	398.	113.	6911.577	83.136	123.8	141.5	254.	354.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	7	8.	8.229	9.4	7.4	0.426	0.652	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	72	7.7	7.701	9.8	5.2	0.706	0.84	6.7	7.2	8.275	8.74
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	60	6.	6.62	22.	0.5	23.372	4.835	1.	3.	9.	13.
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	47	21.	21.596	84.	0.5	176.496	13.285	7.	13.	26.	34.2
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	80	7.1	7.086	8.7	6.3	0.14	0.374	6.51	6.825	7.375	7.5
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	80	7.1	6.944	8.7	6.3	0.161	0.401	6.51	6.825	7.375	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	80	0.079	0.114	0.501	0.002	0.009	0.096	0.032	0.042	0.15	0.31
00403p PH, LAB, STANDARD UNITS SU	10/08/68-11/23/98	29	7.2	7.141	8.	6.3	0.177	0.42	6.5	6.85	7.4	7.7
00403p CONVERTED PH, LAB, STANDARD UNITS	10/08/68-11/23/98	29	7.2	6.946	8.	6.3	0.216	0.465	6.5	6.85	7.4	7.7
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-11/23/98	29	0.063	0.113	0.501	0.01	0.014	0.12	0.02	0.04	0.142	0.316
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-11/23/98	29	54.	55.552	136.	13.	1052.47	32.442	20.	25.	81.	100.
00500p RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	22	132.	147.773	238.	83.	1987.232	44.578	103.3	113.	184.5	218.7
00505p RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	22	30.	37.364	126.	6.	723.671	26.901	17.9	22.5	38.75	85.6
00510p RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	22	96.5	127.455	400.	20.	6030.736	77.658	65.3	83.5	163.75	211.1
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	58	6.5	26.397	900.	1.	13809.287	117.513	2.5	4.	13.25	25.2
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	59	5.	5.593	38.	0.	31.185	5.584	1.5	2.5	6.	9.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	55	2.5	6.109	56.	0.	113.821	10.669	0.	1.	6.	15.6
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	74	1.45	2.26	10.8	0.02	5.606	2.368	0.18	0.5	3.325	5.25
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	74	0.11	0.261	5.5	0.005	0.474	0.688	0.01	0.03	0.283	0.44
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	67	0.68	1.432	8.18	0.08	3.558	1.886	0.29	0.49	1.189	4.58
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	74	2.3	3.471	25.	0.1	14.961	3.868	0.6	1.	4.125	8.2
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	43	2.1	2.396	7.5	0.05	3.72	1.929	0.1	0.8	3.8	5.44
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	31	2.5	2.732	6.75	0.06	3.12	1.766	0.628	1.1	3.8	5.7
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	54	9.	9.689	68.	2.3	75.993	8.717	3.45	6.75	10.325	14.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	23	56.	53.391	85.	34.	159.34	12.623	36.	42.	62.	66.8
00940 CHLORIDE,TOTAL IN WATER MG/L	10/22/74-11/23/98	16	20.	23.	46.	10.	94.133	9.702	13.5	16.	28.75	39.7
00945p SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	43	18.	21.744	53.	4.	161.147	12.694	8.8	13.	33.	41.6
01002 ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	10##	1.5	2.25	5.	0.5	4.069	2.017	0.5	0.5	5.	5.
01027 CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	11##	1.5	2.409	5.	0.5	4.591	2.143	0.5	0.5	5.	5.
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	12##	5.	5.667	25.	0.5	49.242	7.017	0.5	0.5	8.75	20.5
01042 COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	12##	10.	16.667	50.	5.	210.606	14.512	5.	5.	28.75	44.
01051 LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	12	5.	6.125	20.	2.5	21.551	4.642	2.95	4.	5.75	16.7
01067 NICKEL, TOTAL (UG/L AS NI)	10/29/79-09/15/94	9##	10.	16.111	50.	5.	248.611	15.767	5.	5.	27.5	50.
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	12	35.	41.75	90.	5.	734.023	27.093	9.5	20.25	67.5	87.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	11	11000.	16257.273	43000.	430.	314023181.818	17720.699	494.	750.	43000.	43000.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/06/68-07/25/77	11	4.041	3.822	4.633	2.633	0.543	0.737	2.682	2.875	4.633	4.633
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	6635.53								
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	63	200.	1298.571	9200.	50.	6111809.217	2472.207	50.	50.	1200.	7200.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	63	2.301	2.445	3.964	1.699	0.571	0.756	1.699	1.699	3.079	3.853
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	278.5								
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	22	0.5	0.509	1.5	0.	0.128	0.357	0.13	0.2	0.7	1.
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	30	0.9	1.242	3.4	0.05	1.211	1.1	0.05	0.275	2.	3.24
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	38	0.425	0.915	3.399	0.005	1.186	1.089	0.02	0.055	1.624	3.03
71900 MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	13##	0.15	0.208	0.5	0.15	0.01	0.1	0.15	0.15	0.25	0.4

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

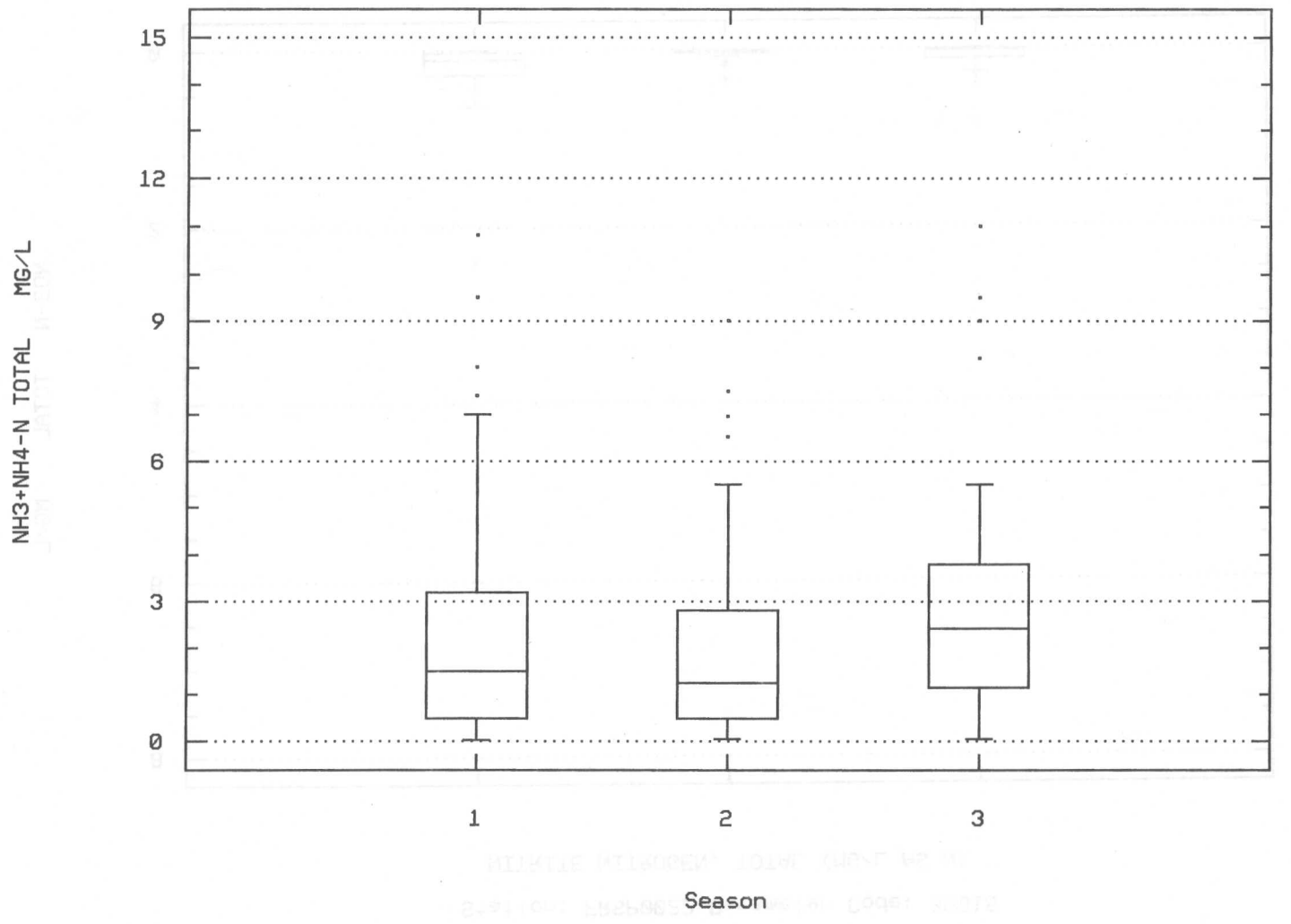
Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	112	7.8	8.475	19.	0.4	17.888	4.229	3.23	5.5	11.65	15.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-03/17/92	11	7.6	19.355	70.	4.5	577.467	24.031	4.52	4.9	30.	68.2
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	61	197.	220.721	470.	4.	8691.904	93.23	123.6	150.5	277.	372.8

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

Station: FRSP0022 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 3 BRIDGE

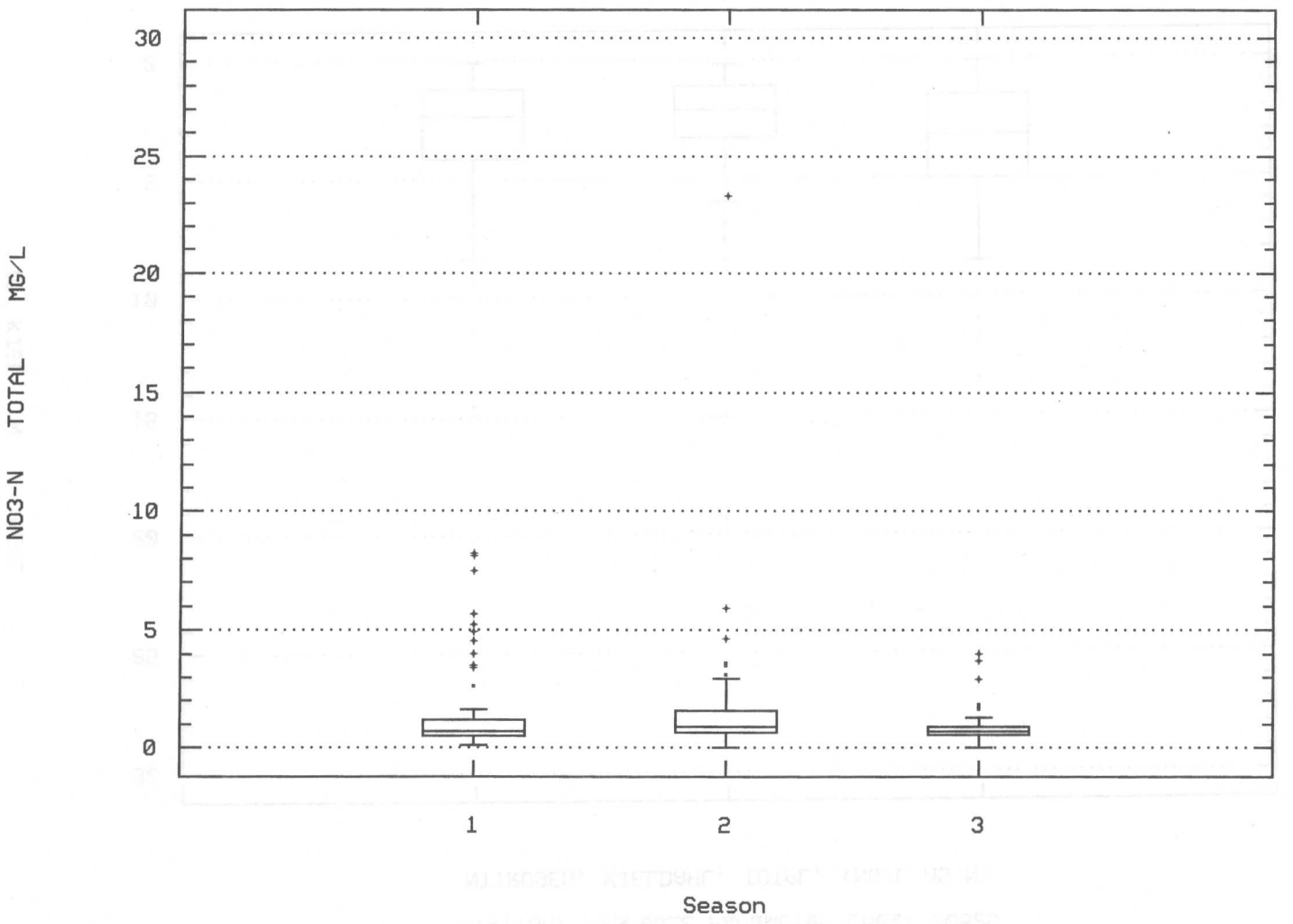
Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	54	4.	6.53	33.	0.5	47.727	6.908	1.15	2.	8.	16.
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	37	20.	22.365	139.	0.5	475.62	21.809	8.6	13.	24.	31.8
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	70	7.	6.9	7.7	3.	0.466	0.682	6.5	6.675	7.3	7.5
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	70	7.	4.82	7.7	3.	4.856	2.204	6.5	6.675	7.3	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	70	0.1	15.146	1000.	0.02	14296.465	119.568	0.032	0.05	0.212	0.316
00403p PH, LAB, STANDARD UNITS SU	10/08/68-11/23/98	25	7.	6.956	7.4	6.4	0.088	0.296	6.52	6.75	7.2	7.34
00403p CONVERTED PH, LAB, STANDARD UNITS	10/08/68-11/23/98	25	7.	6.857	7.4	6.4	0.098	0.313	6.52	6.75	7.2	7.34
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-11/23/98	25	0.1	0.139	0.398	0.04	0.01	0.102	0.046	0.063	0.179	0.31
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-11/23/98	24	34.	38.917	78.	14.	519.21	22.786	14.5	18.	54.	77.5
00500p RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	19	131.	159.263	576.	51.	12149.316	110.224	82.	103.	190.	215.
00505p RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	19	34.	44.632	111.	17.	868.801	29.475	18.	27.	43.	103.
00510p RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	19	98.	114.632	492.	17.	9836.468	99.179	20.	72.	128.	155.
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	55	9.	24.718	407.	1.5	3201.877	56.585	5.	6.	19.	68.2
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	55	6.	8.827	34.	0.	69.919	8.362	2.	4.	10.	25.6
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	55	4.	16.1	379.	0.	2730.235	52.252	0.6	2.	8.	36.8
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	64	2.4	2.902	11.	0.05	6.066	2.463	0.35	1.124	3.799	5.5
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	64	0.03	0.09	0.8	0.005	0.017	0.131	0.005	0.02	0.125	0.27
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	56	0.68	0.881	4.	0.005	0.56	0.749	0.325	0.528	0.895	1.778
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	62	3.15	3.754	13.4	0.1	8.548	2.924	0.63	1.475	5.	7.2
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	35	1.	1.668	5.5	0.05	2.447	1.564	0.08	0.4	3.1	4.04
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	30	1.45	2.015	5.4	0.17	2.498	1.581	0.312	0.793	3.025	4.715
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	48	8.	10.029	35.	1.7	37.857	6.153	3.86	7.	11.75	17.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	14	40.	40.357	58.	20.	132.093	11.493	23.5	30.75	50.5	56.
00940 CHLORIDE,TOTAL IN WATER MG/L	10/22/74-11/23/98	10	16.	17.3	29.	9.	40.9	6.395	9.2	13.25	21.	28.8
00945p SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	29	18.	19.138	34.	8.	46.409	6.812	11.	14.5	23.5	30.
01002 ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	5##	2.5	1.8	2.5	0.5	0.95	0.975	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	6##	5.	6.167	10.	5.	4.167	2.041	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	10##	5.	9.	20.	5.	37.778	6.146	5.	5.	12.5	20.
01042 COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	10##	5.	11.	40.	5.	126.667	11.255	5.	5.	12.5	38.
01051 LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	7##	5.	3.429	5.	0.5	4.036	2.009	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	10	20.	18.	40.	5.	162.222	12.737	5.	5.	30.	39.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	5	11000.	23646.	93000.	930.	1525372080.	39056.012	**	**	**	**
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/06/68-07/25/77	5	4.041	3.876	4.968	2.968	0.584	0.764	**	**	**	**
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	7521.35								
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	54	100.	1441.296	15000.	50.	9384373.76	3063.393	50.	50.	625.	7000.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	54	2.	2.326	4.176	1.699	0.661	0.813	1.699	1.699	2.774	3.841
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	212.049								
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	25	0.3	3.656	80.	0.	253.108	15.909	0.	0.3	0.85	1.3
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	27	0.7	0.794	2.	0.05	0.311	0.558	0.17	0.4	1.3	1.7
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	34	0.44	0.553	1.6	0.02	0.267	0.517	0.04	0.088	0.925	1.499
71900 MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	7##	0.25	0.343	1.	0.15	0.085	0.292	**	**	**	**

** - Less than 9 observations ## - Computed 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: FRSP0022 Parameter Code: 00620

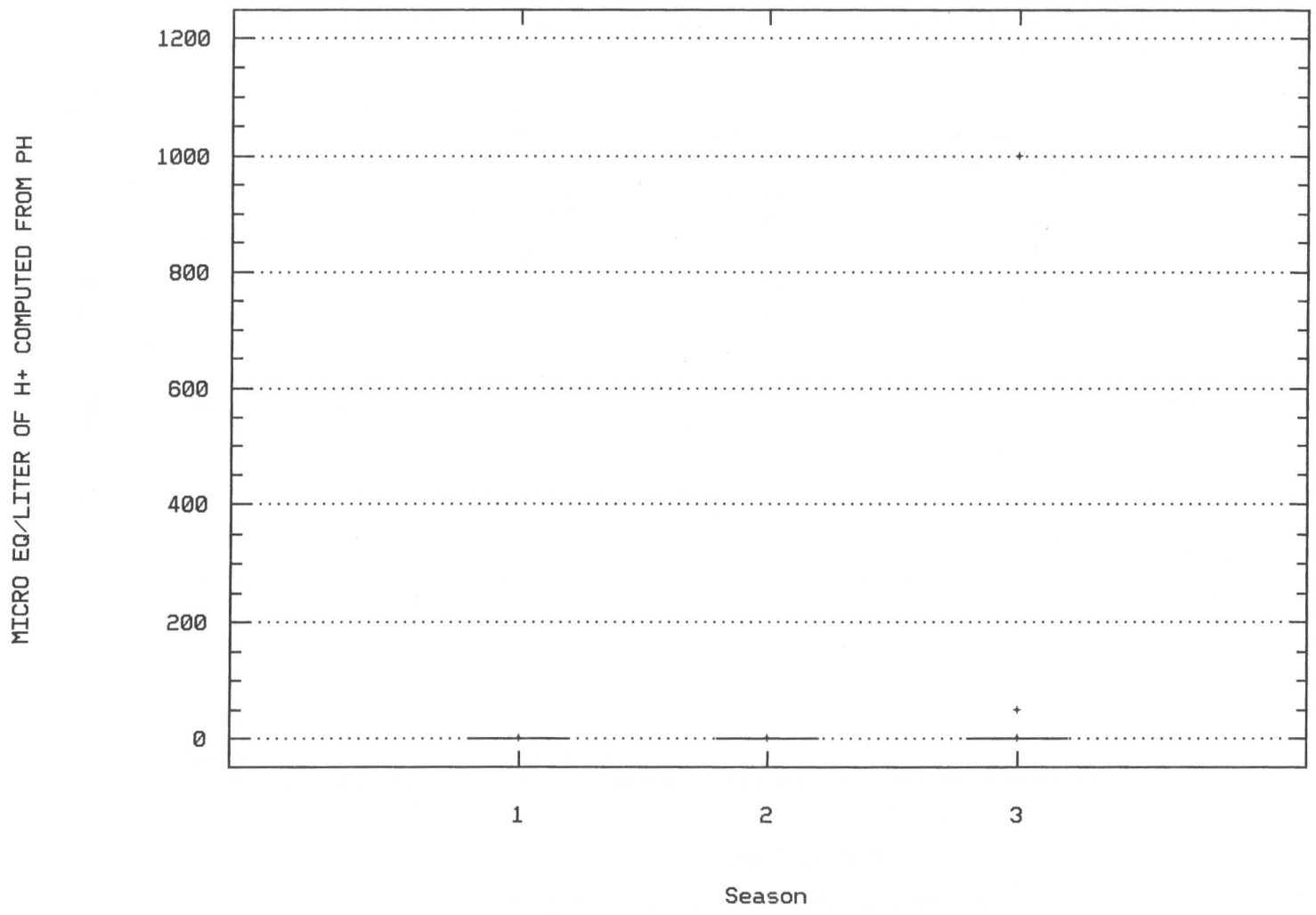
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00400

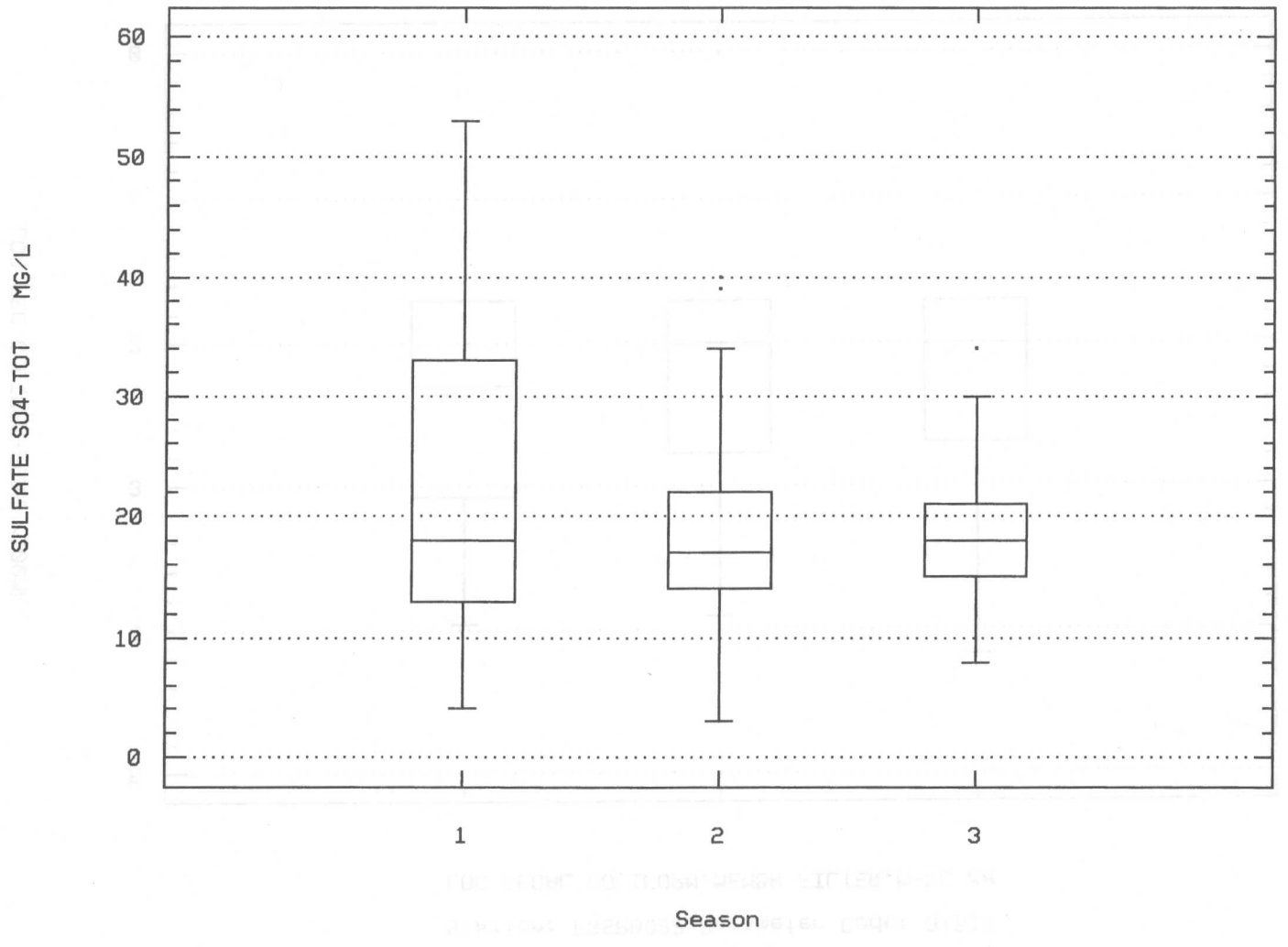
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00945

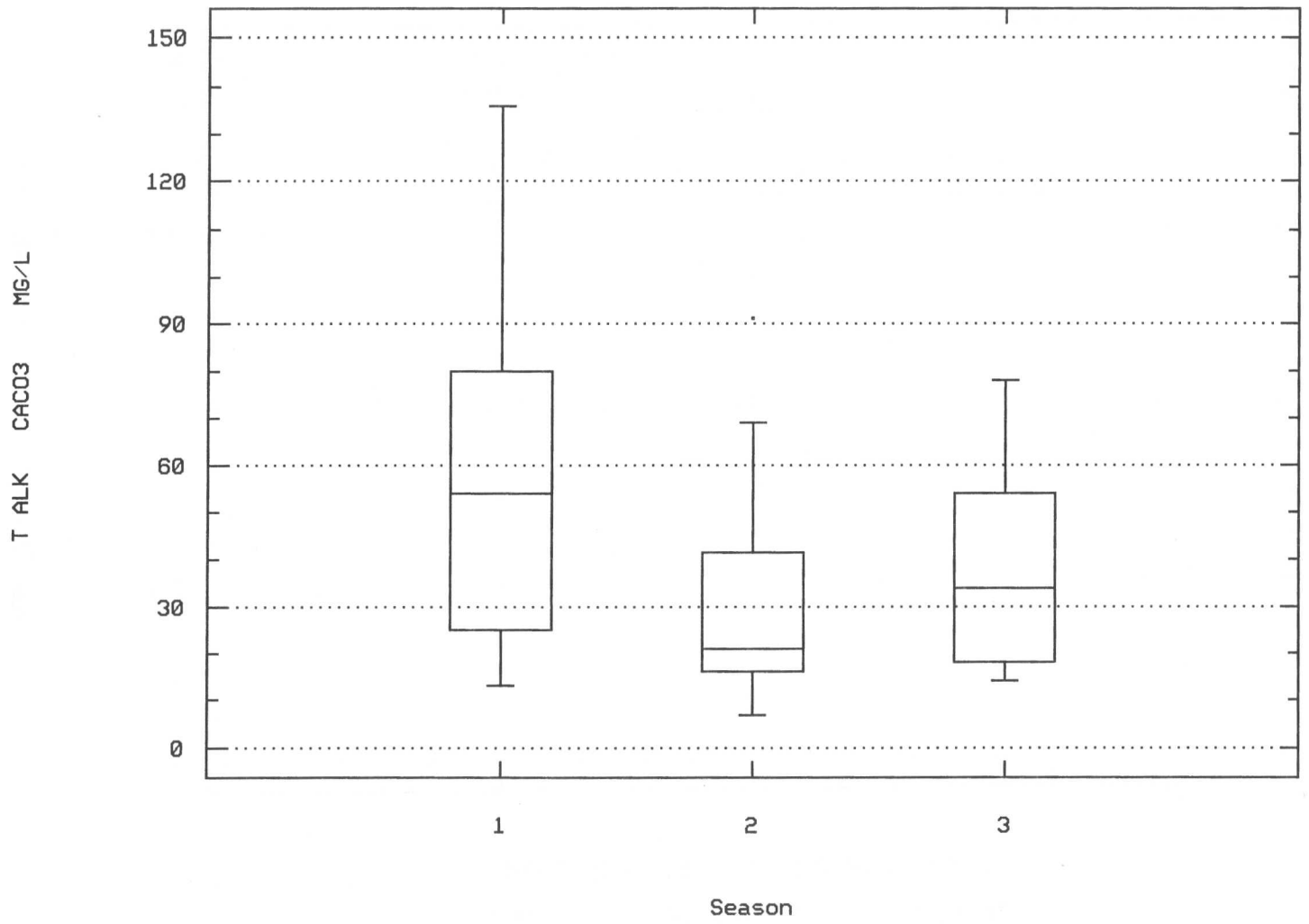
SULFATE, TOTAL (MG/L AS SO4)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00410

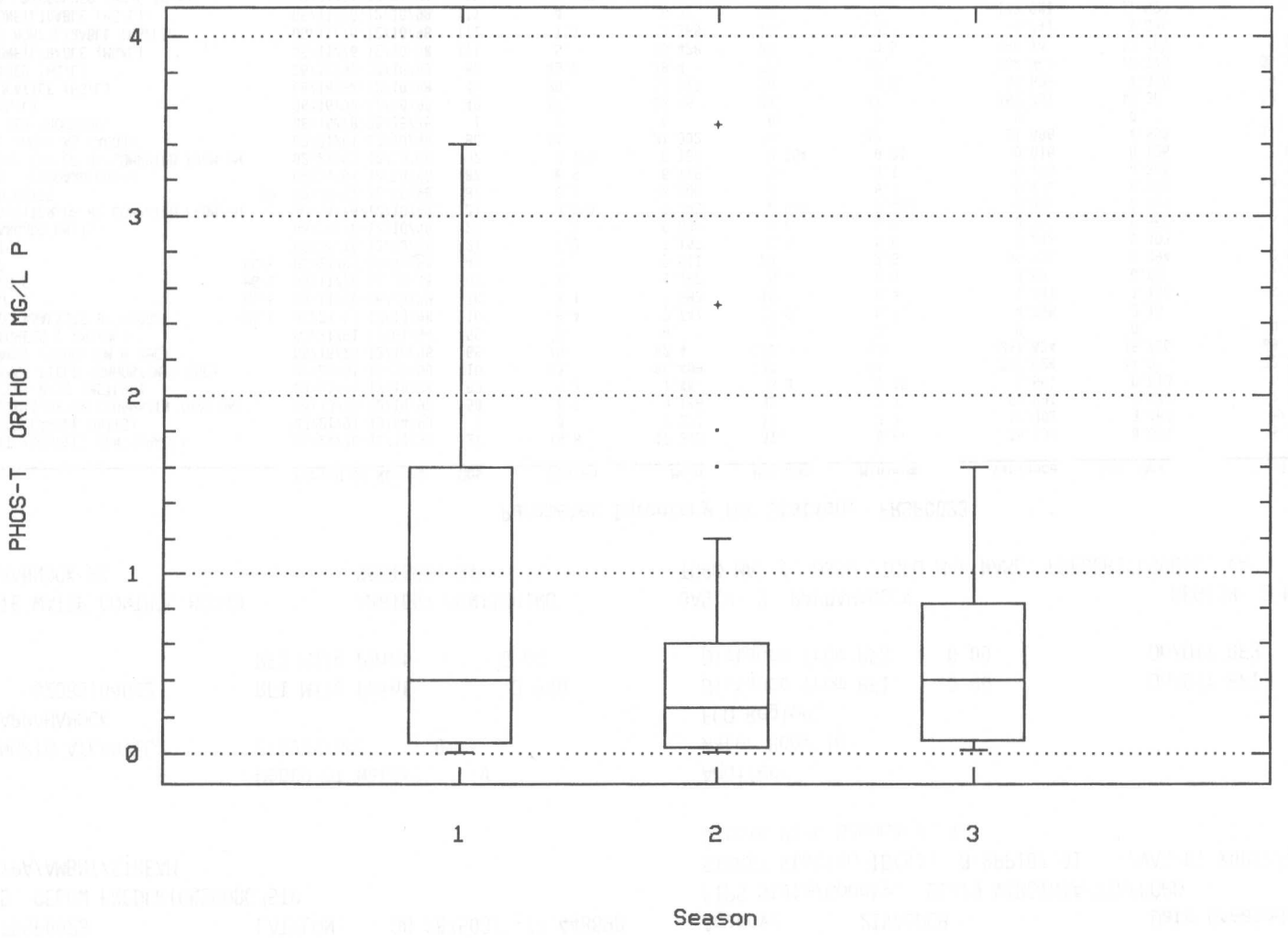
ALKALINITY, TOTAL (MG/L AS CACO3)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 70507

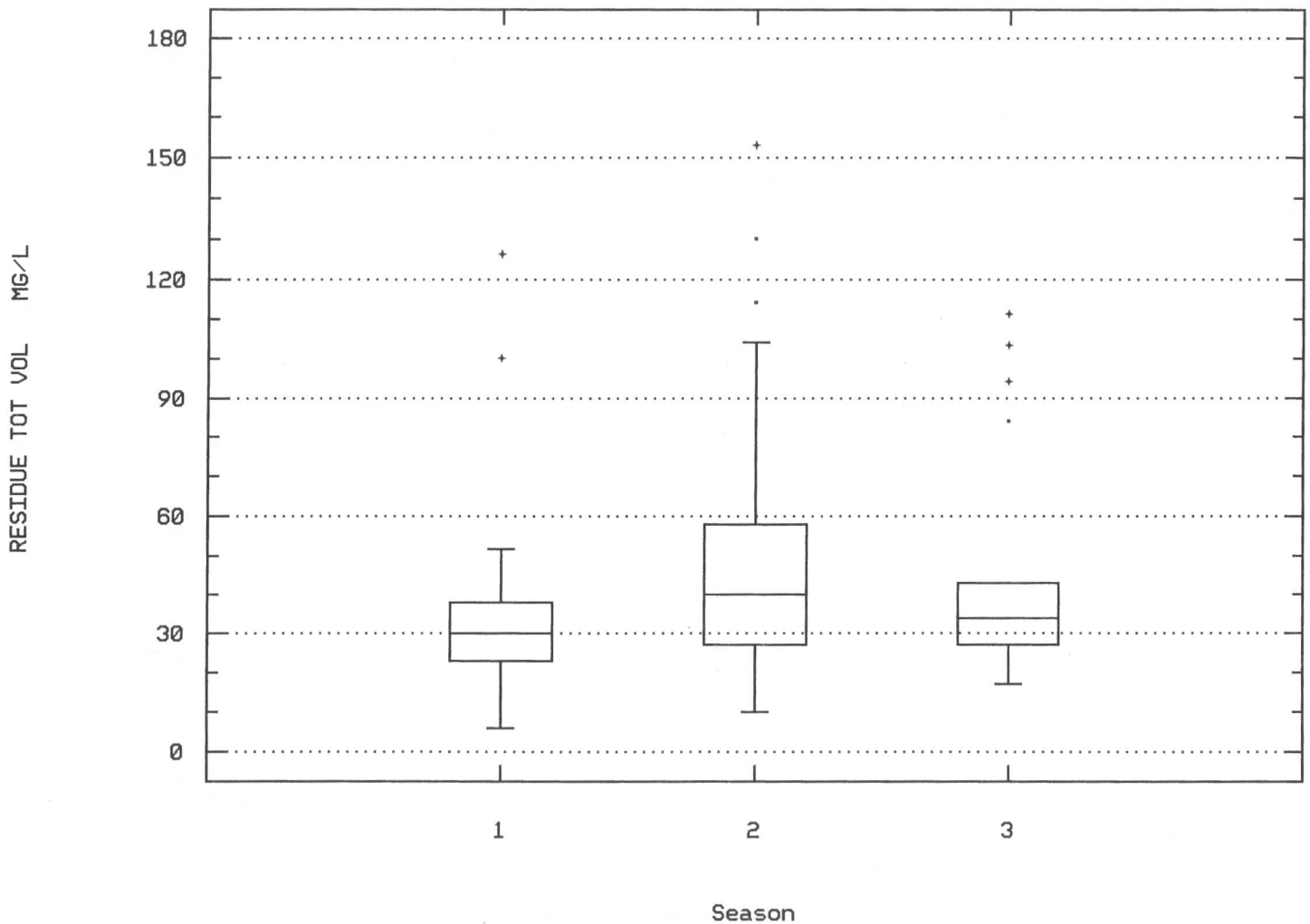
PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00505

RESIDUE, TOTAL VOLATILE (MG/L)



RT. 3 BRIDGE

Annual Analysis for 1997 - Station FRSP0023

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)		06/24/76-12/10/98	9	7.3	7.289	7.6	7.	0.051	0.226	7.	7.05	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)		06/24/76-12/10/98	9	7.3	7.238	7.6	7.	0.054	0.233	7.	7.05	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/24/76-12/10/98	9	0.05	0.058	0.1	0.025	0.001	0.029	0.025	0.032	0.09	0.1
00403	PH, LAB, STANDARD UNITS	SU	02/21/91-12/10/98	10	6.9	6.79	7.	6.1	0.085	0.292	6.14	6.65	7.	7.
00403	CONVERTED PH, LAB, STANDARD UNITS		02/21/91-12/10/98	10	6.9	6.674	7.	6.1	0.101	0.317	6.14	6.65	7.	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/21/91-12/10/98	10	0.126	0.212	0.794	0.1	0.046	0.216	0.1	0.1	0.229	0.747
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/91-12/10/98	10	21.5	21.2	29.	15.	17.067	4.131	15.2	17.75	23.	28.7
00500	RESIDUE, TOTAL (MG/L)		06/16/92-12/10/98	9	64.	63.556	91.	51.	149.028	12.208	51.	54.5	68.	91.
00505	RESIDUE, TOTAL VOLATILE (MG/L)		06/16/92-12/10/98	9	18.	18.778	30.	11.	35.444	5.954	11.	15.	23.	30.
00510	RESIDUE, TOTAL FIXED (MG/L)		06/16/92-12/10/98	9	44.	44.778	72.	29.	174.194	13.198	29.	35.5	53.	72.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	8	3.	5.125	17.	1.5	28.625	5.35	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	8##	1.5	1.688	3.	1.5	0.281	0.53	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	8##	2.25	4.125	14.	1.5	19.411	4.406	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	10##	0.02	0.025	0.05	0.02	0.	0.011	0.02	0.02	0.025	0.049
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	10##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.006	0.019
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		06/24/76-12/10/98	10	0.515	0.449	0.72	0.075	0.065	0.256	0.077	0.165	0.68	0.719
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	10	0.3	0.265	0.4	0.05	0.016	0.125	0.055	0.175	0.4	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)		02/21/91-12/10/98	10##	0.075	0.075	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)		04/16/92-12/10/98	6	23.5	23.833	32.	20.	19.367	4.401	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	10	4.	4.4	8.	2.5	3.933	1.983	2.5	2.5	6.	7.8
00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	10	7.	6.8	8.	5.	1.511	1.229	5.	5.75	8.	8.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	10	0.035	0.036	0.08	0.01	0.	0.021	0.011	0.02	0.05	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

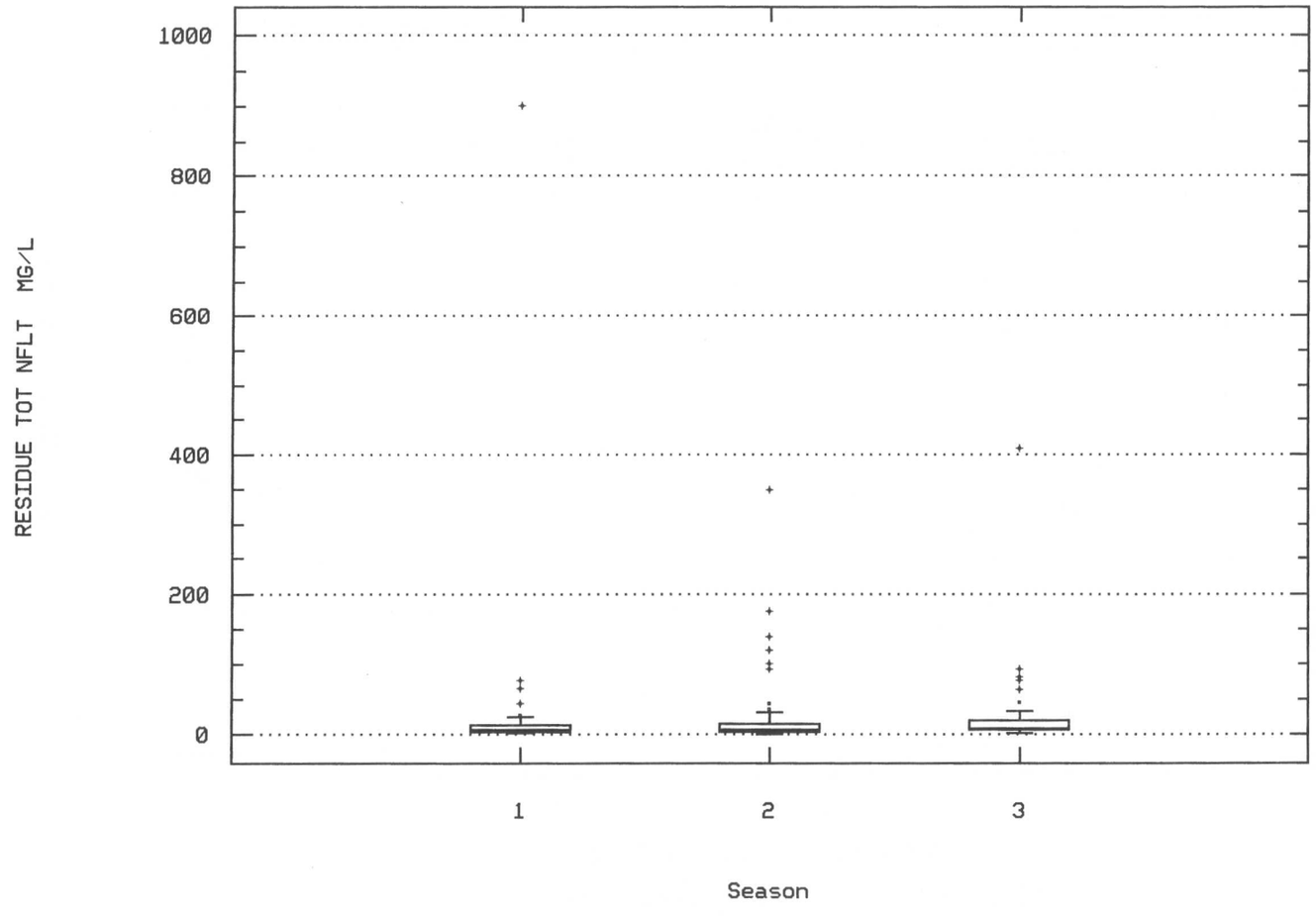
Annual Analysis for 1998 - Station FRSP0023

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	10	17.05	17.3	27.6	6.2	68.349	8.267	6.22	9.7	25.625	27.53
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	10	6.05	10.61	25.8	2.	86.754	9.314	2.12	3.65	21.175	25.69
00078	TRANSPARENCY, SECCHI DISC (METERS)		02/21/91-12/10/98	9	1.	1.356	3.	0.4	0.81	0.9	0.4	0.6	2.15	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		02/21/91-12/10/98	10	83.5	93.5	140.	64.	696.944	26.4	64.4	69.5	115.5	138.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	10	84.5	95.3	150.	64.	966.456	31.088	64.1	67.25	122.5	148.
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	02/21/91-12/10/98	10	10.55	10.	13.	7.	4.211	2.052	7.06	7.75	11.5	12.94
00310	BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	10##	1.	1.2	2.	1.	0.178	0.422	1.	1.	1.25	2.
00400	PH (STANDARD UNITS)		06/24/76-12/10/98	10	7.2	7.34	8.6	6.9	0.234	0.484	6.91	7.	7.425	8.49
00400	CONVERTED PH (STANDARD UNITS)		06/24/76-12/10/98	10	7.2	7.201	8.6	6.9	0.255	0.505	6.91	7.	7.425	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/24/76-12/10/98	10	0.063	0.063	0.126	0.003	0.001	0.037	0.005	0.038	0.1	0.123
00403	PH, LAB, STANDARD UNITS	SU	02/21/91-12/10/98	10	6.55	6.53	6.7	6.4	0.011	0.106	6.4	6.4	6.6	6.69
00403	CONVERTED PH, LAB, STANDARD UNITS		02/21/91-12/10/98	10	6.547	6.518	6.7	6.4	0.011	0.107	6.4	6.4	6.6	6.69
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/21/91-12/10/98	10	0.284	0.303	0.398	0.2	0.005	0.074	0.205	0.251	0.398	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/91-12/10/98	10	27.	24.4	33.	15.	53.6	7.321	15.1	16.75	31.	32.8
00500	RESIDUE, TOTAL (MG/L)		06/16/92-12/10/98	9	71.	73.222	94.	58.	124.194	11.144	58.	65.	81.	94.
00505	RESIDUE, TOTAL VOLATILE (MG/L)		06/16/92-12/10/98	9	21.	18.667	29.	5.	72.75	8.529	5.	10.5	26.	29.
00510	RESIDUE, TOTAL FIXED (MG/L)		06/16/92-12/10/98	9	53.	54.556	69.	41.	92.528	9.619	41.	46.5	63.	69.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	8	12.5	12.938	28.	1.5	103.603	10.179	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	8##	2.25	2.875	6.	1.5	2.839	1.685	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	8	8.5	10.063	24.	1.5	80.96	8.998	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	10##	0.02	0.024	0.04	0.02	0.	0.008	0.02	0.02	0.025	0.04
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	10##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		06/24/76-12/10/98	10	0.25	0.938	7.	0.02	4.58	2.14	0.025	0.078	0.603	6.361
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	10	0.2	0.385	1.4	0.05	0.153	0.392	0.065	0.2	0.525	1.32
00665	PHOSPHORUS, TOTAL (MG/L AS P)		02/21/91-12/10/98	10	0.1	0.12	0.3	0.1	0.004	0.063	0.1	0.1	0.1	0.28
00900	HARDNESS, TOTAL (MG/L AS CACO3)		04/16/92-12/10/98	7	34.	33.571	51.	25.	73.952	8.6	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	10	5.5	6.4	14.	2.5	17.489	4.182	2.5	2.5	10.25	13.7
00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	10	7.	7.6	13.	5.	7.156	2.675	5.	5.	10.	12.7
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	10	0.04	0.062	0.27	0.02	0.006	0.074	0.021	0.03	0.055	0.25

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

Station: FRSP0022 Parameter Code: 00530

RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Parameter Inventory for Station: FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	83	0.05	0.064	0.3	0.005	0.002	0.042	0.024	0.04	0.1	0.1
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	02/21/91-12/01/94	47	0.02	0.019	0.05	0.005	0.	0.009	0.009	0.01	0.02	0.03
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	53	0.01	0.014	0.031	0.003	0.	0.008	0.005	0.009	0.02	0.026
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	83	3.7	4.078	15.	0.05	5.472	2.339	1.9	2.6	4.9	7.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	59	27.	29.746	60.	20.	55.055	7.42	23.	25.	34.	38.
00940 CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	46	5.	5.272	14.	2.5	6.241	2.498	2.5	2.5	6.	8.
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	47	7.	6.872	13.	5.	2.331	1.527	5.	6.	8.	8.2
00955 SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	53	10.	10.021	26.1	1.1	12.288	3.505	6.28	8.45	11.1	12.2
01002 ARSENIC, TOTAL (UG/L AS AS)	05/02/77-05/02/77	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-07/30/97	1##	6.25	6.25	6.25	6.25	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/02/77-05/02/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	1##	0.315	0.315	0.315	0.315	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	1	50.79	50.79	50.79	50.79	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/02/77-05/02/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/02/77-05/02/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-07/30/97	1	30.09	30.09	30.09	30.09	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/02/77-05/02/77	1##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-07/30/97	1	31.39	31.39	31.39	31.39	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/02/77-05/02/77	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	1	31.39	31.39	31.39	31.39	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/02/77-05/02/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-07/30/97	1	72.09	72.09	72.09	72.09	0.	0.	**	**	**	**
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/04/76-07/11/77	4	5025.	62570.	240000.	230.	14009028600.	118359.742	**	**	**	**
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/04/76-07/11/77	4	3.422	3.646	5.38	2.362	1.785	1.336	**	**	**	**
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	4429.664								
31614 FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	4	36.	421.5	1600.	14.	617492.333	785.807	**	**	**	**
31614 LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	4	1.526	1.851	3.204	1.146	0.864	0.93	**	**	**	**
31614 GM FECAL COLIFORM,MPN,TUBE CONFIGURATION			GEOMETRIC MEAN =	70.883								
31615 FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/05/94-09/15/97	19	78.	1514.368	16000.	20.	16637195.023	4078.872	20.	45.	490.	9200.
31615 LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/05/94-09/15/97	19	1.892	2.214	4.204	1.301	0.677	0.823	1.301	1.653	2.69	3.964
31615 GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)			GEOMETRIC MEAN =	163.51								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	63	100.	2389.302	110000.	15.	194226768.795	13936.526	47.	50.	430.	1760.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	63	2.	2.237	5.041	1.176	0.527	0.726	1.672	1.699	2.633	3.245
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	172.401								
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	05/11/76-05/08/79	9	0.	0.111	0.4	0.	0.021	0.145	0.	0.	0.2	0.4
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/11/76-06/13/79	20##	0.05	0.075	0.2	0.05	0.001	0.038	0.05	0.05	0.1	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	61	0.03	0.046	0.27	0.005	0.002	0.044	0.012	0.02	0.05	0.096
71900 MERCURY, TOTAL (UG/L AS HG)	05/02/77-05/02/77	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-07/30/97	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

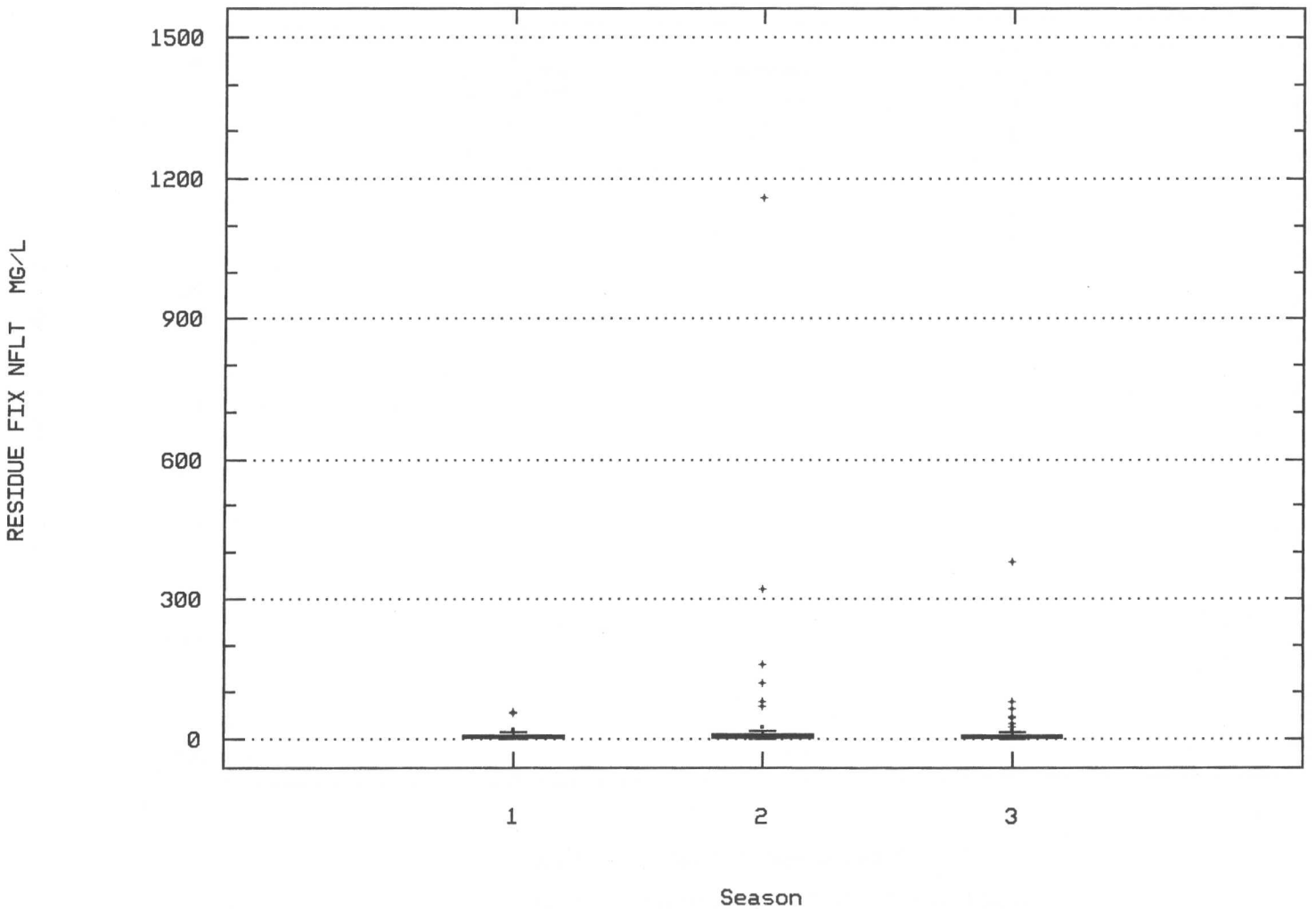
EPA Water Quality Criteria Analysis for Station: FRSP0023

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	58	0	0.00	22	0	0.00	19	0	0.00	17	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	110	0	0.00	41	0	0.00	38	0	0.00	31	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	18	0	0.00	11	0	0.00				7	0	0.00			
00400 PH	Fresh Chronic	9.	121	0	0.00	51	0	0.00	33	0	0.00	37	0	0.00			
	Other-Lo Lim.	6.5	121	13	0.11	51	5	0.10	33	3	0.09	37	5	0.14			
00403 PH, LAB	Fresh Chronic	9.	87	0	0.00	28	0	0.00	29	0	0.00	30	0	0.00			
	Other-Lo Lim.	6.5	87	13	0.15	28	1	0.04	29	8	0.28	30	4	0.13			
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	53	0	0.00	16	0	0.00	17	0	0.00	20	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	61	0	0.00	27	0	0.00	15	0	0.00	19	0	0.00			
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	53	0	0.00	16	0	0.00	17	0	0.00	20	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	44	0	0.00	17	0	0.00	15	0	0.00	12	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	10	0	0.00				7	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	46	0	0.00	18	0	0.00	17	0	0.00	11	0	0.00			
	Drinking Water	250.	46	0	0.00	18	0	0.00	17	0	0.00	11	0	0.00			

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

Station: FRSP0022 Parameter Code: 00540

RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	52	25.4	23.087	31.	2.2	43.378	6.586	15.43	20.425	27.7	28.3
00078 TRANSPARENCY, SECCHI DISC (METERS)		02/21/91-12/10/98	27	1.1	1.217	2.2	0.3	0.247	0.497	0.58	0.9	1.5	2.04
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		02/21/91-12/10/98	41	88.	93.22	140.	74.	259.926	16.122	76.2	83.	98.5	116.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	26	82.	87.231	150.	69.	282.025	16.794	72.	78.75	91.	108.8
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	02/21/91-12/10/98	41	7.8	7.993	10.4	6.2	1.04	1.02	6.68	7.3	8.8	9.64
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	42	1.	1.314	6.	0.5	1.326	1.151	0.5	0.5	1.55	2.7
00340 COD, .25N K2CR2O7	MG/L	03/21/91-12/10/98	17	10.	12.	29.	6.	32.375	5.69	6.8	8.	14.	21.8
00400 PH (STANDARD UNITS)		06/24/76-12/10/98	51	7.2	7.183	8.6	5.6	0.331	0.575	6.44	6.8	7.5	7.8
00400 CONVERTED PH (STANDARD UNITS)		06/24/76-12/10/98	51	7.2	6.799	8.6	5.6	0.481	0.693	6.44	6.8	7.5	7.8
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/24/76-12/10/98	51	0.063	0.159	2.512	0.003	0.127	0.357	0.016	0.032	0.158	0.369
00403 PH, LAB, STANDARD UNITS	SU	02/21/91-12/10/98	28	6.85	6.882	7.6	6.5	0.074	0.272	6.6	6.7	7.	7.23
00403 CONVERTED PH, LAB, STANDARD UNITS		02/21/91-12/10/98	28	6.847	6.815	7.6	6.5	0.079	0.281	6.6	6.7	7.	7.23
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/21/91-12/10/98	28	0.142	0.153	0.316	0.025	0.006	0.075	0.06	0.1	0.2	0.251
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/91-12/10/98	27	23.	23.704	31.	17.	15.37	3.921	17.8	21.	27.	30.
00500 RESIDUE, TOTAL (MG/L)		06/16/92-12/10/98	15	74.	73.2	96.	53.	200.457	14.158	53.6	63.	87.	94.8
00505 RESIDUE, TOTAL VOLATILE (MG/L)		06/16/92-12/10/98	15	21.	22.133	36.	9.	41.124	6.413	13.2	18.	26.	32.4
00510 RESIDUE, TOTAL FIXED (MG/L)		06/16/92-12/10/98	15	50.	51.067	72.	29.	154.638	12.435	32.6	44.	60.	70.2
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	41	6.	11.28	84.	0.5	217.763	14.757	3.	4.5	9.5	27.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	41	1.5	2.854	18.	0.	10.691	3.27	0.6	1.	3.5	6.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	41	5.	8.573	74.	0.	156.182	12.497	1.5	2.5	8.	22.4
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	27##	0.05	0.139	1.099	0.02	0.064	0.254	0.02	0.02	0.1	0.48
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	27##	0.005	0.033	0.58	0.005	0.012	0.11	0.005	0.005	0.01	0.062
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		06/24/76-12/10/98	17	0.32	0.323	0.64	0.02	0.053	0.23	0.02	0.082	0.54	0.632
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	39	0.4	0.477	1.599	0.2	0.099	0.315	0.2	0.3	0.5	1.
00665 PHOSPHORUS, TOTAL (MG/L AS P)		02/21/91-12/10/98	27	0.05	0.075	0.3	0.04	0.003	0.052	0.04	0.05	0.1	0.1
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/11/76-08/08/96	30	4.1	5.19	15.	2.3	9.666	3.109	2.6	3.1	7.	9.8
00900 HARDNESS, TOTAL (MG/L AS CACO3)		04/16/92-12/10/98	19	30.	32.895	60.	23.	99.766	9.988	24.	26.	34.	51.
00945 SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	18	6.5	7.056	13.	5.	3.467	1.862	5.	6.	8.	9.4
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/11/76-12/10/98	22	150.	6255.818	110000.	50.	548675079.965	23423.814	50.	50.	1325.	12460.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		05/11/76-12/10/98	22	2.151	2.476	5.041	1.699	0.876	0.936	1.699	1.699	3.117	4.03
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	299.364								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	27	0.05	0.065	0.27	0.02	0.003	0.058	0.02	0.03	0.08	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 box-and-whisker plot

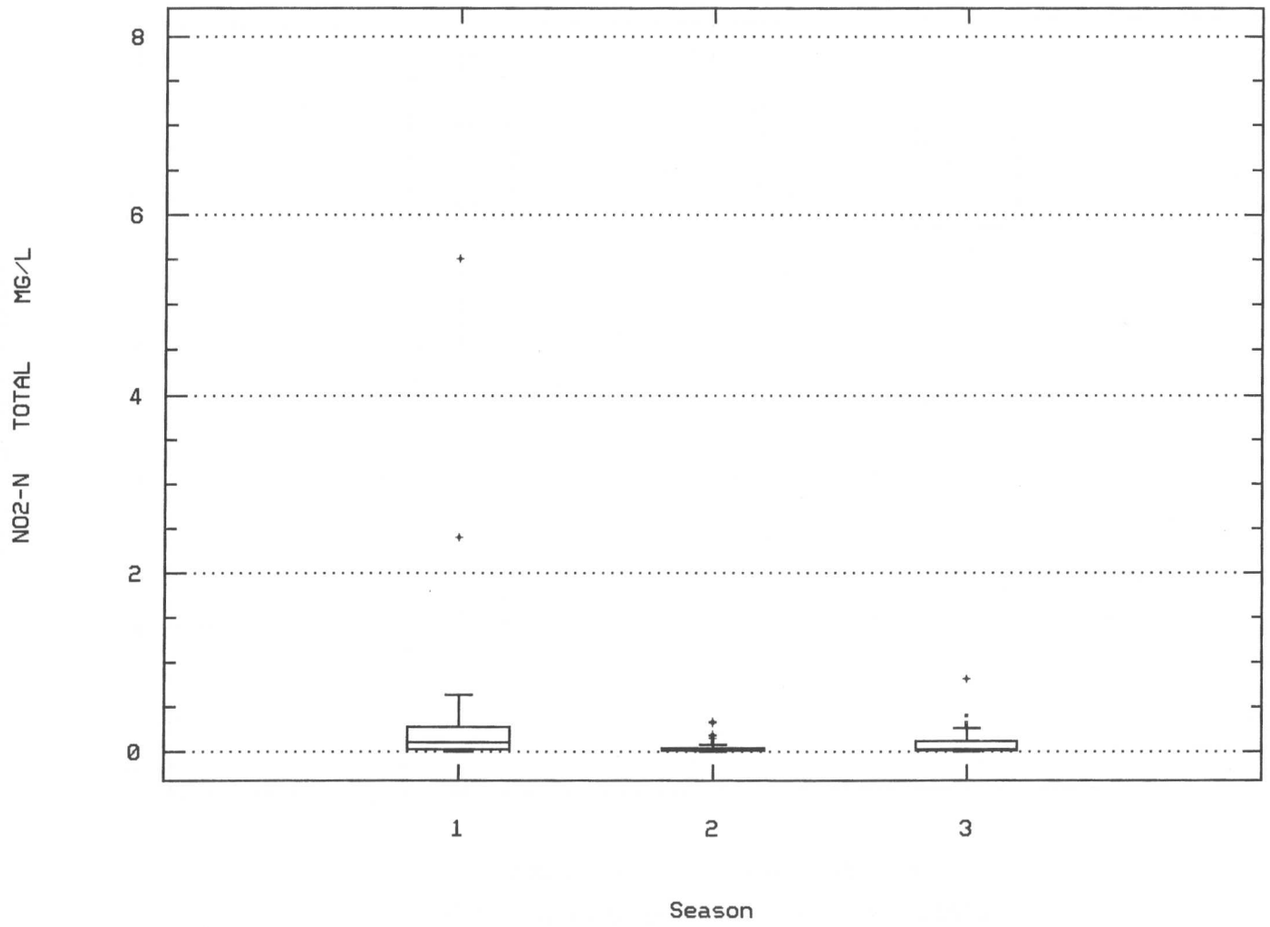
Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	38	6.4	7.276	14.2	0.6	9.138	3.023	3.	5.475	9.725	11.45
00078 TRANSPARENCY, SECCHI DISC (METERS)		02/21/91-12/10/98	31	1.8	1.745	3.3	0.3	1.014	1.007	0.42	0.8	2.5	3.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		02/21/91-12/10/98	38	80.5	84.816	137.	64.	240.154	15.497	70.	75.	90.25	112.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	29	82.	84.931	130.	65.	252.138	15.879	68.	74.5	89.	115.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	02/21/91-12/10/98	38	11.95	12.158	15.6	9.7	1.508	1.228	10.76	11.275	12.825	13.65
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	29	1.	0.997	2.	0.5	0.207	0.456	0.5	0.5	1.	2.
00340 COD, .25N K2CR2O7	MG/L	03/21/91-12/10/98	16	8.5	7.531	13.	2.5	15.182	3.896	2.5	2.5	10.75	13.
00400 PH (STANDARD UNITS)		06/24/76-12/10/98	33	7.03	6.983	7.6	6.4	0.117	0.342	6.54	6.6	7.2	7.46
00400 CONVERTED PH (STANDARD UNITS)		06/24/76-12/10/98	33	7.03	6.859	7.6	6.4	0.133	0.365	6.54	6.6	7.2	7.46
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/24/76-12/10/98	33	0.093	0.138	0.398	0.025	0.01	0.102	0.035	0.063	0.251	0.29
00403 PH, LAB, STANDARD UNITS	SU	02/21/91-12/10/98	29	6.8	6.921	8.	6.1	0.25	0.5	6.4	6.5	7.35	7.8
00403 CONVERTED PH, LAB, STANDARD UNITS		02/21/91-12/10/98	29	6.8	6.705	8.	6.1	0.298	0.546	6.4	6.5	7.35	7.8
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/21/91-12/10/98	29	0.158	0.197	0.794	0.01	0.032	0.178	0.016	0.045	0.316	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/91-12/10/98	29	18.	20.414	35.	12.	35.037	5.919	15.	17.	24.5	31.
00500 RESIDUE, TOTAL (MG/L)		06/16/92-12/10/98	15	67.	66.4	86.	55.	91.543	9.568	55.	56.	71.	81.8
00505 RESIDUE, TOTAL VOLATILE (MG/L)		06/16/92-12/10/98	15	20.	17.7	29.	2.5	69.136	8.315	4.	11.	26.	27.8
00510 RESIDUE, TOTAL FIXED (MG/L)		06/16/92-12/10/98	15	50.	48.6	59.	34.	63.971	7.998	35.2	44.	56.	59.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	32	4.	7.688	33.	1.	73.254	8.559	1.5	1.5	12.75	21.9
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	32##	1.5	1.719	5.	0.	1.047	1.023	1.	1.5	1.5	3.7

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

Station: FRSP0022 Parameter Code: 00615

NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Annual Analysis for 1976 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	28.05	25.	30.	13.9	55.647	7.46	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	2.	2.333	5.	1.	2.267	1.506	**	**	**	**
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	4	7.35	7.275	7.7	6.7	0.189	0.435	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	4	7.325	7.105	7.7	6.7	0.228	0.477	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	4	0.047	0.079	0.2	0.02	0.007	0.083	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	19.	18.083	42.	0.5	233.242	15.272	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	5.	5.75	18.	0.	42.775	6.54	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	13.	12.417	24.	0.	123.042	11.092	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.1	0.133	0.4	0.05	0.018	0.133	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.008	0.226	0.75	0.005	0.119	0.344	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	3	0.32	0.23	0.36	0.01	0.037	0.192	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.4	0.467	1.	0.2	0.079	0.28	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	6.	7.5	15.	4.	18.7	4.324	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	6	0.025	0.032	0.07	0.02	0.	0.019	**	**	**	**

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

Annual Analysis for 1977 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	6	11.5	14.633	31.	2.2	187.559	13.695	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	2.	2.667	6.	1.	3.067	1.751	**	**	**	**
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	6	7.5	7.55	7.8	7.3	0.043	0.207	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	6	7.5	7.511	7.8	7.3	0.045	0.212	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	6	0.032	0.031	0.05	0.016	0.	0.013	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	8.	8.667	15.	4.	19.067	4.367	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	3.5	3.333	6.	0.	4.667	2.16	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	6.	5.333	12.	0.	21.867	4.676	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.25	0.425	1.099	0.05	0.181	0.426	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.015	0.024	0.07	0.005	0.001	0.024	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.8	0.8	1.599	0.2	0.244	0.494	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	6.	5.833	8.	3.	3.367	1.835	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	6	0.09	0.096	0.2	0.005	0.005	0.068	**	**	**	**

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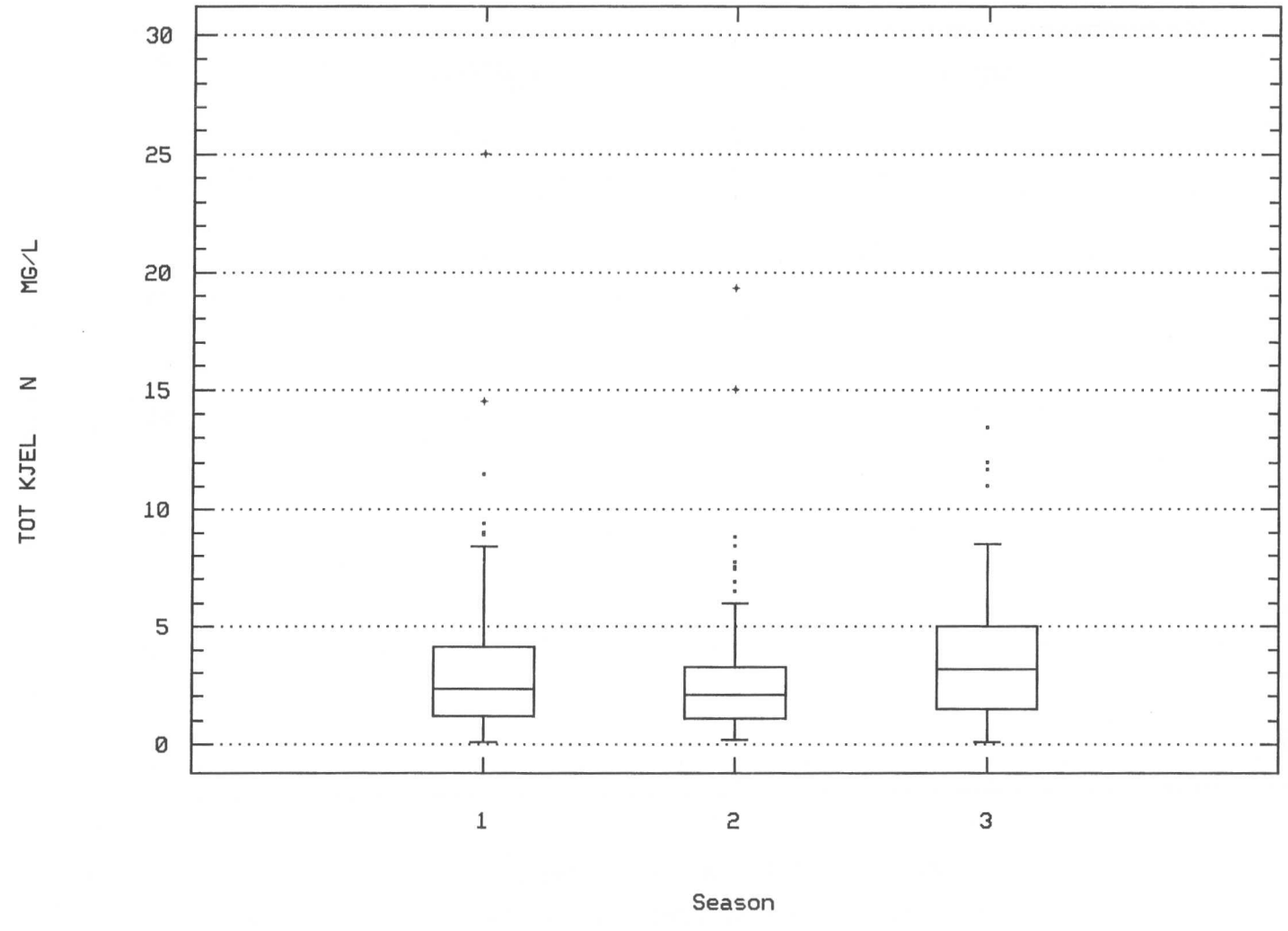
Annual Analysis for 1978 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	5	23.	22.3	28.	16.	34.7	5.891	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	6	7.5	7.567	7.8	7.4	0.035	0.186	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	6	7.5	7.536	7.8	7.4	0.036	0.189	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	6	0.032	0.029	0.04	0.016	0.	0.011	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	17.	26.167	84.	3.	942.567	30.701	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	3.5	5.	10.	2.	10.4	3.225	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	12.	21.25	74.	0.5	783.175	27.985	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.075	0.092	0.2	0.05	0.003	0.058	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.008	0.016	0.06	0.005	0.	0.022	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.3	0.317	0.5	0.1	0.018	0.133	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	4.5	6.333	13.	4.	13.067	3.615	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	6	0.045	0.044	0.11	0.005	0.001	0.038	**	**	**	**

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

Station: FRSP0022 Parameter Code: 00625

NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 3 BRIDGE

Annual Analysis for 1992 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	20	9.6	9.715	12.8	6.7	4.465	2.113	7.02	7.725	11.9	12.79
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	13	1.	0.923	2.	0.5	0.16	0.4	0.5	0.5	1.	1.6
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	19	7.3	7.27	7.8	6.6	0.1	0.317	6.6	7.1	7.5	7.7
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	19	7.3	7.146	7.8	6.6	0.116	0.341	6.6	7.1	7.5	7.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	19	0.05	0.071	0.251	0.016	0.005	0.067	0.02	0.032	0.079	0.251
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	13	7.	7.185	7.8	6.7	0.133	0.365	6.74	6.85	7.55	7.72
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	13	7.	7.061	7.8	6.7	0.15	0.387	6.74	6.85	7.55	7.72
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	13	0.1	0.087	0.2	0.016	0.004	0.061	0.02	0.028	0.142	0.183
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	13	20.	20.154	27.	14.	11.808	3.436	15.2	17.5	22.	26.2
00500 RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	4.	6.893	33.	1.	71.968	8.483	1.25	1.5	9.25	24.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	1.	1.464	5.	0.	1.595	1.263	0.	1.	1.625	4.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	3.	5.75	28.	1.	51.683	7.189	1.25	1.5	7.25	20.5
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	13##	0.02	0.027	0.05	0.02	0.	0.011	0.02	0.02	0.04	0.046
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	14##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	14	0.505	0.508	0.94	0.02	0.08	0.283	0.045	0.373	0.745	0.89
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	14	0.3	0.329	0.6	0.2	0.016	0.127	0.2	0.2	0.4	0.55
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	14	0.04	0.043	0.11	0.005	0.001	0.025	0.013	0.028	0.05	0.09
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	14	0.01	0.013	0.02	0.005	0.	0.007	0.005	0.005	0.02	0.02
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	13	2.8	3.004	4.9	0.05	1.815	1.347	0.75	2.05	4.2	4.78
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	10	34.	34.6	50.	26.	48.933	6.995	26.2	29.5	37.5	49.2
00955 SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	14	10.05	9.836	12.6	3.1	5.284	2.299	5.5	9.35	10.95	12.4

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

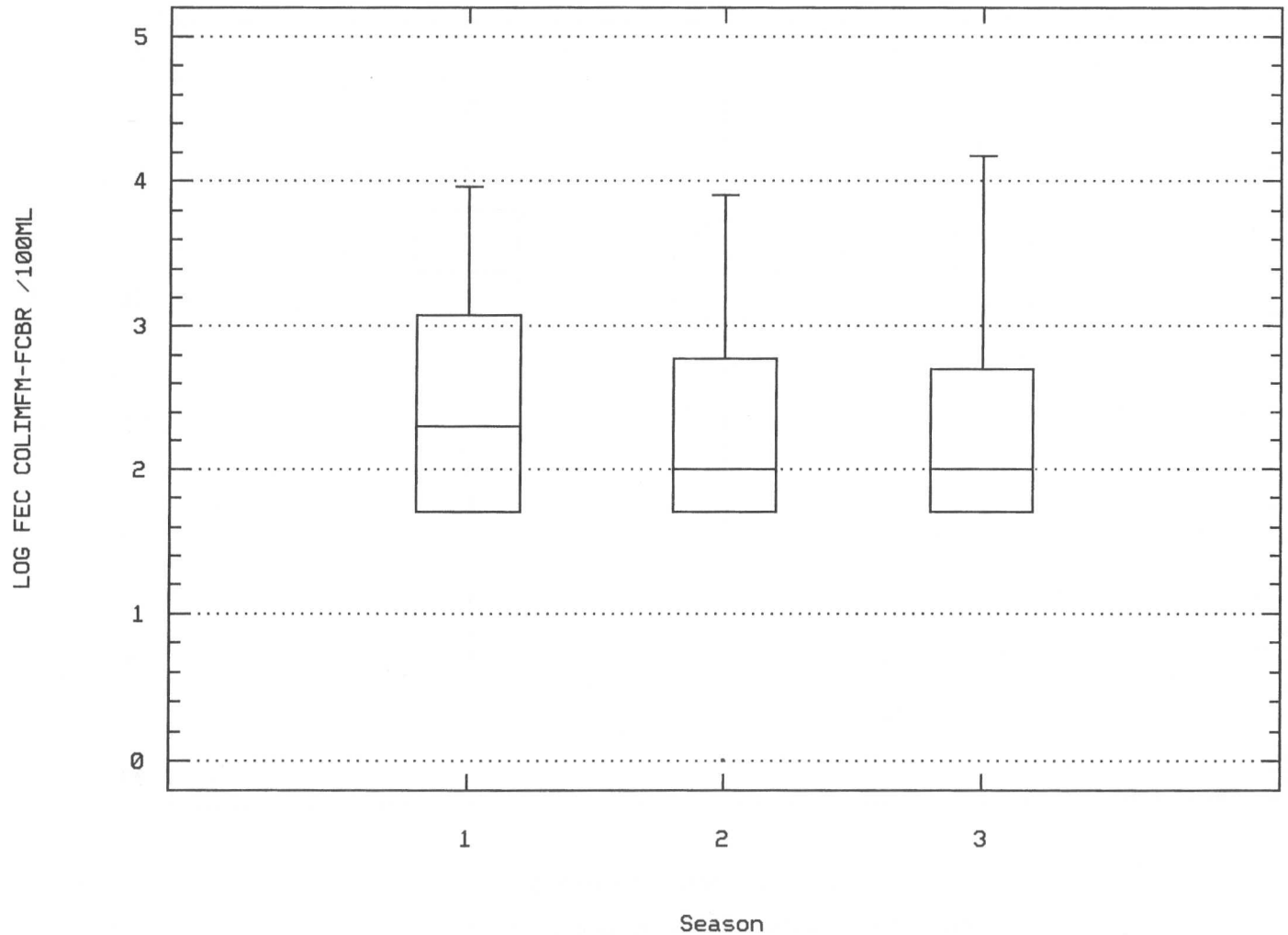
Annual Analysis for 1993 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	20	21.45	19.415	28.4	3.	78.483	8.859	4.68	12.475	28.	28.3
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	7	5.9	11.357	22.	1.7	86.49	9.3	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	12	1.25	1.217	2.5	0.3	0.378	0.615	0.36	0.625	1.575	2.29
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	20	84.	89.7	137.	66.	337.063	18.359	70.4	75.5	104.5	116.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	9	74.	72.778	80.	62.	39.694	6.3	62.	67.5	78.	80.
00096 SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	20	8.8	9.165	13.5	6.2	4.519	2.126	6.67	7.3	11.05	13.21
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	11	1.	1.045	2.	0.5	0.123	0.35	0.6	1.	1.	1.8
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	20	6.65	6.732	7.14	6.5	0.031	0.177	6.6	6.6	6.8	7.08
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	20	6.647	6.702	7.14	6.5	0.032	0.179	6.6	6.6	6.8	7.08
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	20	0.225	0.199	0.316	0.072	0.005	0.068	0.084	0.158	0.251	0.251
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	11	7.1	7.145	8.	6.6	0.225	0.474	6.62	6.7	7.5	7.98
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	11	7.1	6.97	8.	6.6	0.259	0.508	6.62	6.7	7.5	7.98
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	11	0.079	0.107	0.251	0.01	0.007	0.081	0.011	0.032	0.2	0.241
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	11	20.	19.818	24.	14.	11.764	3.43	14.4	17.	23.	24.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	6.	10.5	33.	1.5	113.318	10.645	1.5	4.25	17.75	31.5
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	1.75	2.167	5.	1.	1.924	1.387	1.	1.	3.5	4.7
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	4.5	8.583	29.	1.5	92.947	9.641	1.5	2.25	15.75	27.5
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	12##	0.03	0.048	0.19	0.02	0.002	0.048	0.02	0.02	0.058	0.151
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	12##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	12	0.42	0.437	0.84	0.12	0.058	0.24	0.126	0.195	0.605	0.819
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	12	0.25	0.292	0.6	0.2	0.017	0.131	0.2	0.2	0.3	0.57
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	12	0.04	0.048	0.12	0.02	0.001	0.03	0.02	0.03	0.07	0.108
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	12	0.01	0.013	0.02	0.005	0.	0.006	0.005	0.01	0.02	0.02
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	12	3.05	3.125	4.7	2.2	0.629	0.793	2.23	2.325	3.675	4.49
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	11	32.	33.273	60.	26.	105.018	10.248	26.	26.	38.	56.
00955 SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	12	10.2	9.958	12.2	6.	3.117	1.766	6.66	8.875	11.325	12.14

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

Station: FRSP0022 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



RT. 3 BRIDGE

Annual Analysis for 1995 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	12##	0.05	0.071	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	12	4.3	4.142	5.4	2.3	1.006	1.003	2.45	3.175	4.975	5.34
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	12	26.5	27.583	35.	24.	10.992	3.315	24.3	25.	30.	33.8
00940 CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	12	5.5	5.583	8.	4.	1.356	1.165	4.	5.	6.	7.7
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	12	7.	7.083	9.	6.	0.992	0.996	6.	6.	8.	8.7
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	12	0.03	0.033	0.06	0.02	0.	0.012	0.02	0.023	0.04	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

Annual Analysis for 1996 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	9	19.1	16.444	26.	4.3	78.86	8.88	4.3	7.3	25.	26.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	9	6.5	10.233	33.	4.	82.822	9.101	4.	5.3	12.6	33.
00078 TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	8	1.5	1.488	3.	0.3	0.793	0.89	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	9	81.	80.556	87.	75.	14.778	3.844	75.	77.5	83.5	87.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	9	79.	78.778	87.	73.	16.944	4.116	73.	75.5	81.	87.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	9	9.3	10.544	14.8	7.5	7.72	2.779	7.5	8.15	13.2	14.8
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	9##	0.5	0.667	1.	0.5	0.063	0.25	0.5	0.5	1.	1.
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	8	7.25	7.187	7.5	6.3	0.141	0.376	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	8	7.247	6.973	7.5	6.3	0.194	0.44	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	8	0.057	0.106	0.501	0.032	0.026	0.16	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	9	7.1	7.144	7.5	6.8	0.053	0.23	6.8	6.95	7.35	7.5
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	9	7.1	7.092	7.5	6.8	0.056	0.236	6.8	6.95	7.35	7.5
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	9	0.079	0.081	0.158	0.032	0.002	0.042	0.032	0.045	0.113	0.158
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	9	22.	20.889	24.	17.	8.111	2.848	17.	17.5	23.5	24.
00500 RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	9	64.	67.222	96.	53.	199.444	14.122	53.	54.	76.5	96.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	9	23.	20.056	36.	2.5	114.278	10.69	2.5	9.5	26.5	36.
00510 RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	9	44.	47.	60.	34.	69.5	8.337	34.	42.	54.5	60.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	4.	7.167	26.	1.5	68.813	8.295	1.5	1.5	11.5	26.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	9##	1.5	1.833	3.	1.5	0.438	0.661	1.5	1.5	2.25	3.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	3.	6.	23.	1.5	53.125	7.289	1.5	1.5	9.5	23.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	9##	0.02	0.033	0.07	0.02	0.	0.021	0.02	0.02	0.055	0.07
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	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)	06/24/76-12/10/98	9	0.54	0.553	0.79	0.39	0.015	0.12	0.39	0.455	0.63	0.79
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	9	0.2	0.239	0.6	0.05	0.03	0.173	0.05	0.1	0.35	0.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	9##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	2.4	3.35	7.7	1.9	4.971	2.23	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	9	26.	26.222	30.	22.	7.194	2.682	22.	24.	28.5	30.
00940 CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	9##	2.5	3.833	6.	2.5	2.625	1.62	2.5	2.5	5.5	6.
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	9	6.	6.222	7.	5.	0.444	0.667	5.	6.	7.	7.
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	9	0.02	0.029	0.06	0.01	0.	0.016	0.01	0.02	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

Annual Analysis for 1997 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	9	17.5	16.867	28.3	5.6	58.558	7.652	5.6	9.75	22.6	28.3
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	6.15	6.89	14.1	3.	13.072	3.616	3.04	3.4	9.35	13.7
00078 TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	9	1.8	1.733	3.	0.5	0.525	0.725	0.5	1.2	2.15	3.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	9	78.	78.	88.	68.	53.25	7.297	68.	72.	86.	88.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	76.5	80.	98.	66.	100.444	10.022	66.6	72.	89.25	97.2
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	9	9.4	9.856	13.4	7.	4.43	2.105	7.	8.	11.75	13.4
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10##	0.5	0.7	1.	0.5	0.067	0.258	0.5	0.5	1.	1.

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

Station Inventory for Station: FRSP0023

NPS Station ID: FRSP0023 LAT/LON: 38.287503/ -77.448892 Agency: 21VASWCB Date Created: 04/19/76
Location: 100 YDS. BELOW FREDERICKSBURG STP FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP107.91 /VA3-01-X0077/VA3-3X0077
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 3.940 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	127	18.8	17.343	31.	0.6	75.534	8.691	5.5	9.7	25.6	28.1
00070 TURBIDITY, (JACKSON CANDLE UNITS)		02/21/91-10/04/93	7	8.	7.271	12.	3.4	12.002	3.464	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	58	6.5	9.186	33.	1.7	52.891	7.273	2.9	3.95	12.325	22.
00078 TRANSPARENCY, SECCHI DISC (METERS)		02/21/91-12/10/98	89	1.3	1.46	3.3	0.15	0.661	0.813	0.5	0.85	2.15	2.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		02/21/91-12/10/98	110	83.	86.409	140.	64.	222.024	14.9	72.2	77.	91.	110.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	85	79.	82.4	150.	62.	247.624	15.736	68.	73.5	87.	101.
00096 SALINITY AT 25 DEGREES C (MG/ML)		02/21/91-12/01/94	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	02/21/91-12/10/98	110	9.4	9.747	15.6	6.2	4.795	2.19	7.2	7.775	11.425	12.79
00300 OXYGEN, DISSOLVED	MG/L	05/11/76-06/13/79	18	8.1	7.983	10.	6.4	1.341	1.158	6.4	6.8	9.	9.64
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	109	1.	1.152	6.	0.5	0.69	0.83	0.5	0.5	1.	2.
00340 COD, .25N K2CR2O7	MG/L	03/21/91-12/10/98	47	9.	9.511	29.	2.5	25.951	5.094	2.5	7.	13.	16.
00400 PH (STANDARD UNITS)		06/24/76-12/10/98	121	7.2	7.107	8.6	5.6	0.243	0.493	6.5	6.7	7.4	7.7
00400 CONVERTED PH (STANDARD UNITS)		06/24/76-12/10/98	121	7.2	6.829	8.6	5.6	0.321	0.567	6.5	6.7	7.4	7.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/24/76-12/10/98	121	0.063	0.148	2.512	0.003	0.067	0.259	0.02	0.04	0.2	0.316
00403 PH, LAB, STANDARD UNITS	SU	02/21/91-12/10/98	87	6.9	6.906	8.	6.1	0.132	0.364	6.5	6.6	7.1	7.42
00403 CONVERTED PH, LAB, STANDARD UNITS		02/21/91-12/10/98	87	6.9	6.779	8.	6.1	0.148	0.385	6.5	6.6	7.1	7.42
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/21/91-12/10/98	87	0.126	0.166	0.794	0.01	0.016	0.126	0.038	0.079	0.251	0.316
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/91-12/10/98	86	21.	21.302	35.	12.	21.696	4.658	16.	17.	24.	29.
00480 SALINITY - PARTS PER THOUSAND		08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		06/16/92-12/10/98	40	67.	67.45	96.	47.	152.767	12.36	53.	56.	76.	86.9
00505 RESIDUE, TOTAL VOLATILE (MG/L)		06/16/92-12/10/98	40	20.	19.013	36.	2.5	54.699	7.396	9.	12.75	24.75	27.
00510 RESIDUE, TOTAL FIXED (MG/L)		06/16/92-12/10/98	40	46.5	48.4	72.	29.	104.964	10.245	35.1	41.25	56.	63.6
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	111	5.	10.428	88.	0.5	190.14	13.789	1.5	3.	12.	28.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	111	1.5	2.365	18.	0.	5.741	2.396	1.	1.	3.	5.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	111	4.	8.32	78.	0.	143.981	11.999	1.5	1.5	9.	24.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		02/21/91-12/01/94	52	0.029	0.047	0.23	0.002	0.002	0.044	0.015	0.02	0.06	0.09
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	61##	0.02	0.088	1.099	0.02	0.032	0.179	0.02	0.02	0.06	0.2
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		02/21/91-12/01/94	53##	0.005	0.006	0.01	0.001	0.	0.002	0.003	0.005	0.005	0.01
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	61##	0.005	0.031	0.75	0.005	0.014	0.119	0.005	0.005	0.01	0.028
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		02/21/91-12/01/94	53	0.48	0.449	0.94	0.02	0.073	0.271	0.074	0.15	0.63	0.84
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		06/24/76-12/10/98	44	0.49	0.573	7.	0.01	1.034	1.017	0.073	0.22	0.627	0.71
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	103	0.3	0.348	1.599	0.05	0.059	0.242	0.14	0.2	0.4	0.6
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/11/76-06/13/79	17	0.29	0.46	1.7	0.02	0.195	0.441	0.068	0.115	0.6	1.14

** - 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

Station Inventory for Station: FRSP0024

NPS Station ID: FRSP0024 LAT/LON: 38.206392/ -77.449449 Agency: 12NSS Date Created: 10/22/88
Location: NO NAME FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3B048082U /3B03B048082U
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080105 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 63 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02080105 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID AND DATA LIMITAITONS ARE DESCRIBED IN: IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED. SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN;

Parameter Inventory for Station: FRSP0024

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/21/86-04/04/86	2	10.1	10.1	12.1	8.1	8.	2.828	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)		03/21/86-04/04/86	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)		04/04/86-04/04/86	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/21/86-04/04/86	2	28.	28.	31.	25.	18.	4.243	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/21/86-04/04/86	2	8.15	8.15	8.5	7.8	0.245	0.495	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	03/21/86-04/04/86	2	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		03/21/86-04/04/86	2	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/21/86-04/04/86	2	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	03/21/86-04/04/86	2	5.8	5.8	8.1	3.5	10.58	3.253	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)		03/21/86-04/04/86	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		03/21/86-04/04/86	2	0.003	0.003	0.005	0.001	0.	0.003	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)		03/21/86-04/04/86	2	1.25	1.25	1.4	1.1	0.045	0.212	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)		03/21/86-04/04/86	2	1.45	1.45	1.7	1.2	0.125	0.354	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		03/21/86-04/04/86	2	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		03/21/86-04/04/86	2	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		03/21/86-04/04/86	2	1.755	1.755	1.8	1.71	0.004	0.064	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)		03/21/86-04/04/86	2	1.1	1.1	1.16	1.04	0.007	0.085	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER	MG/L	03/21/86-04/04/86	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)		03/21/86-04/04/86	2	3.9	3.9	4.1	3.7	0.08	0.283	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0023

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	47	0	0.00	18	0	0.00	17	0	0.00	12	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	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			
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			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	4	2	0.50	2	1	0.50				2	1	0.50			
31614 FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	4	1	0.25				1	0	0.00	3	1	0.33			
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	19	7	0.37	10	6	0.60	6	1	0.17	3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	63	28	0.44	22	11	0.50	17	6	0.35	24	11	0.46			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	9	4	0.44	6	3	0.50				3	1	0.33			
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: FRSP0025

NPS Station ID: FRSP0025 LAT/LON: 38.345559/ -77.453060 Agency: 21VASWCB Date Created: 09/19/78
Location: ROUTE 627 FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-CLB003.96 /VA3-04-X0080/VA3-3X0080
RMI-Indexes: 0215002 002980 Within Park Boundary: No
RMI-Miles: 0109.04 0003.96
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
RIVER: CLAIBORN RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	89	12.5	12.747	24.	0.1	50.245	7.088	2.3	7.	19.3	22.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	82	97.	113.159	1190.	66.	15461.345	124.344	73.3	82.	110.25	130.
00300 OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	93	9.4	9.914	14.6	6.4	4.072	2.018	7.54	8.2	11.8	12.92
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	82	2.	1.817	12.	0.5	2.12	1.456	1.	1.	2.	3.
00340 COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	82	14.	14.024	45.	0.5	57.277	7.568	6.	9.75	18.	22.7
00400 PH (STANDARD UNITS)		03/07/78-06/17/87	93	6.5	6.501	7.7	5.3	0.173	0.416	6.	6.25	6.8	7.
00400 CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	93	6.5	6.295	7.7	5.3	0.216	0.464	6.	6.25	6.8	7.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	93	0.316	0.507	5.012	0.02	0.445	0.667	0.1	0.158	0.566	1.
00403 PH, LAB, STANDARD UNITS	SU	02/23/83-06/17/87	10	6.35	6.33	6.7	5.9	0.069	0.263	5.92	6.1	6.55	6.7
00403 CONVERTED PH, LAB, STANDARD UNITS		02/23/83-06/17/87	10	6.347	6.26	6.7	5.9	0.074	0.273	5.92	6.1	6.55	6.7
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/23/83-06/17/87	10	0.45	0.549	1.259	0.2	0.109	0.33	0.2	0.287	0.794	1.212
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		02/23/83-06/17/87	10	11.5	12.	22.	6.	22.222	4.714	6.2	8.75	14.75	21.5
00500 RESIDUE, TOTAL (MG/L)		07/30/79-10/29/79	4	83.	95.	134.	80.	680.667	26.09	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/30/79-10/29/79	4	32.5	218.75	800.	10.	150306.25	387.694	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		07/30/79-10/29/79	4	65.	192.75	600.	41.	73856.917	271.766	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	82	8.	16.067	200.	2.5	731.369	27.044	2.5	5.	14.25	35.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	82	4.	5.049	30.	0.	23.745	4.873	2.	2.5	6.	8.7
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	82	4.	9.348	82.	0.	199.689	14.131	2.	2.5	9.25	25.7
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	87##	0.05	0.079	0.4	0.05	0.003	0.05	0.05	0.05	0.1	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	88##	0.005	0.014	0.5	0.005	0.003	0.053	0.005	0.005	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	80	0.39	0.441	1.3	0.13	0.063	0.251	0.18	0.273	0.53	0.774
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	84	0.4	0.438	1.7	0.1	0.067	0.259	0.2	0.3	0.5	0.7
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		03/07/78-05/01/79	8	0.39	0.375	0.6	0.15	0.036	0.189	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	76##	0.05	0.078	0.3	0.05	0.002	0.046	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	80	0.02	0.031	0.15	0.005	0.001	0.024	0.01	0.02	0.04	0.06
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	81	6.	7.185	18.	1.	11.128	3.336	4.	5.	9.	11.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		03/13/79-03/13/79	1	2.61	2.61	2.61	2.61	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	02/26/86-02/26/86	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		03/07/78-07/09/86	10##	0.5	0.65	1.	0.5	0.058	0.242	0.5	0.5	1.	1.
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)		06/16/80-08/19/86	7	1.6	3.786	12.	0.7	17.025	4.126	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)		07/18/83-07/18/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01013 BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)		05/16/83-08/19/86	3##	0.9	0.917	1.05	0.8	0.016	0.126	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		03/07/78-07/09/86	10##	2.75	5.75	30.	0.5	82.847	9.102	0.5	0.5	6.25	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 time series plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	32	3.	6.469	28.	1.	52.564	7.25	1.5	1.5	10.75	18.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	15##	0.02	0.024	0.06	0.02	0.	0.011	0.02	0.02	0.02	0.048
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	15##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.007
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	15	0.64	0.999	7.	0.08	2.795	1.672	0.146	0.54	0.71	3.274
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	28	0.2	0.218	0.5	0.05	0.012	0.108	0.095	0.2	0.2	0.41
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	28	0.05	0.056	0.11	0.005	0.001	0.032	0.02	0.03	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	19	3.	3.358	7.	1.7	2.278	1.509	1.8	1.9	4.6	5.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	19	28.	29.211	42.	20.	30.064	5.483	24.	25.	34.	36.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	17	7.	7.353	10.	6.	1.493	1.222	6.	6.5	8.	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	17	50.	148.882	500.	33.	21596.36	146.957	42.6	50.	270.	420.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	17	1.699	1.988	2.699	1.519	0.161	0.402	1.626	1.699	2.429	2.621
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		97.167								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	15	0.03	0.033	0.06	0.02	0.	0.013	0.02	0.02	0.04	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 #3: 4/01 to 6/30 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	37	20.	19.611	29.9	9.	33.62	5.798	11.68	14.65	24.5	27.92
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	31	1.25	1.387	3.2	0.15	0.569	0.754	0.36	0.9	1.8	2.48
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	31	78.	79.355	92.	66.	45.903	6.775	68.2	75.	83.	89.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	30	74.5	75.767	132.	62.	157.84	12.563	64.2	68.75	78.25	84.7
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	31	9.1	9.113	12.3	6.7	2.19	1.48	6.8	8.2	10.3	11.18
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	38	1.	1.092	2.7	0.5	0.334	0.578	0.5	0.5	1.125	2.
00340	COD, .25N K2CR2O7 MG/L	03/21/91-12/10/98	14	8.5	8.75	16.	2.5	20.913	4.573	2.5	5.125	13.	16.
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	37	7.3	7.114	7.8	6.	0.224	0.473	6.4	6.7	7.5	7.62
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	37	7.3	6.844	7.8	6.	0.299	0.547	6.4	6.7	7.5	7.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	37	0.05	0.143	1.	0.016	0.037	0.191	0.024	0.032	0.2	0.398
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	30	6.9	6.913	7.6	6.4	0.081	0.284	6.5	6.775	7.1	7.29
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	30	6.9	6.828	7.6	6.4	0.088	0.297	6.5	6.775	7.1	7.29
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	30	0.126	0.149	0.398	0.025	0.01	0.098	0.051	0.079	0.169	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	30	20.5	20.	26.	14.	8.069	2.841	16.1	17.	22.	23.9
00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	10	63.5	60.4	76.	47.	95.6	9.778	47.2	50.5	68.25	75.3
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	10	16.5	16.3	26.	9.	38.233	6.183	9.	9.75	21.5	25.7
00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	10	42.5	44.1	67.	35.	82.322	9.073	35.1	39.	45.5	65.3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	38	5.	11.816	88.	1.	259.208	16.1	1.5	3.75	14.25	30.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	38	1.5	2.382	10.	0.	4.006	2.001	0.95	1.	4.	4.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	38	3.5	9.605	78.	0.	210.435	14.506	1.4	1.5	11.5	26.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	19##	0.05	0.065	0.3	0.02	0.005	0.073	0.02	0.02	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	19	0.01	0.049	0.75	0.005	0.029	0.17	0.005	0.005	0.01	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	12	0.41	0.394	0.61	0.01	0.028	0.166	0.064	0.345	0.53	0.595
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	36	0.3	0.31	0.6	0.05	0.021	0.143	0.1	0.2	0.4	0.53
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	28	0.05	0.061	0.19	0.02	0.001	0.038	0.02	0.03	0.095	0.102
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	34	3.5	3.499	7.	0.05	2.092	1.446	1.8	2.4	4.325	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	21	26.	27.381	40.	20.	27.248	5.22	22.	24.	31.	37.2
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	12	6.	5.917	8.	5.	0.811	0.9	5.	5.	6.	7.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	24	100.	431.958	3500.	15.	580816.389	762.113	20.	50.	497.5	1250.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	24	2.	2.193	3.544	1.176	0.406	0.637	1.301	1.699	2.697	3.05
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		156.042								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	19	0.02	0.028	0.1	0.005	0.001	0.024	0.005	0.01	0.03	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

Parameter Inventory for Station: FRSP0025

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39492	PCB - 1232	PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242	PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248	PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508	PCB - 1260	PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)		09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG		06/24/85-08/19/86	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)		09/20/82-08/21/84	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)		04/29/81-06/06/84	4	0.	0.025	0.1	0.	0.003	0.05	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)		09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)		07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)		07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)		07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)		04/29/81-09/10/85	8	0.	0.025	0.2	0.	0.005	0.071	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		03/07/78-05/01/79	8##	0.05	0.081	0.2	0.05	0.003	0.053	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		03/07/78-05/01/79	8	0.02	0.023	0.08	0.005	0.001	0.024	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)		03/07/78-07/09/86	10##	0.15	0.195	0.5	0.15	0.012	0.112	0.15	0.15	0.175	0.475
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)		06/16/80-08/19/86	7##	0.05	0.059	0.1	0.03	0.001	0.029	**	**	**	**
77825	ALACHLOR	WHOLE WATER,UG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	93	0	0.00	24	0	0.00	43	0	0.00	26	0	0.00			
00400	PH	Fresh Chronic	9.	93	0	0.00	24	0	0.00	43	0	0.00	26	0	0.00			
		Other-Lo Lim.	6.5	93	50	0.54	24	10	0.42	43	27	0.63	26	13	0.50			
00403	PH, LAB	Fresh Chronic	9.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	10	8	0.80	3	2	0.67	2	2	1.00	5	4	0.80			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	88	0	0.00	22	0	0.00	41	0	0.00	25	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	80	0	0.00	20	0	0.00	37	0	0.00	23	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	2	0	0.00	4	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						
01002	ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	50.	10	0	0.00	6	0	0.00	4	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7&	2	0.29	5	0	0.00	2	2	1.00						
		Drinking Water	5.	7&	2	0.29	5	0	0.00	2	2	1.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	6	0	0.00	4	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	1300.	10	0	0.00	6	0	0.00	4	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	6	0	0.00	3	0	0.00						
		Drinking Water	15.	9	0	0.00	6	0	0.00	3	0	0.00						
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00				3	0	0.00						
		Drinking Water	100.	3	0	0.00				3	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	100.	7	0	0.00	6	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	5000.	10	0	0.00	6	0	0.00	4	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	86	45	0.52	24	13	0.54	38	13	0.34	24	19	0.79			
34356	ENDOSULFAN, BETA	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
34361	ENDOSULFAN, ALPHA	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			

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

Annual Analysis for 1979 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	2	21.1	21.1	21.2	21.	0.02	0.141	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	2	7.6	7.6	7.7	7.5	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	2	7.589	7.589	7.7	7.5	0.02	0.142	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	2	0.026	0.026	0.032	0.02	0.	0.008	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	44.5	44.5	88.	1.	3784.5	61.518	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	5.5	5.5	10.	1.	40.5	6.364	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	2##	39.25	39.25	78.	0.5	3003.125	54.801	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.175	0.175	0.3	0.05	0.031	0.177	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.023	0.023	0.04	0.005	0.001	0.025	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	2	0.055	0.055	0.1	0.01	0.004	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

Annual Analysis for 1991 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	18	13.3	15.922	27.4	6.8	56.743	7.533	6.98	9.375	24.1	27.13
00078 TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	17	1.	1.406	2.5	0.15	0.687	0.829	0.31	0.775	2.375	2.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	18	84.5	92.222	137.	75.	318.301	17.841	77.7	81.5	102.75	128.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	15	74.	79.867	123.	68.	226.41	15.047	68.6	72.	78.	109.8
00096 SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	18	10.05	9.394	12.9	6.4	4.945	2.224	6.58	7.15	11.15	12.72
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	14	1.	1.393	2.	0.5	0.315	0.561	0.75	1.	2.	2.
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	16	6.5	6.507	7.	6.	0.048	0.219	6.21	6.4	6.6	6.804
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	16	6.5	6.454	7.	6.	0.051	0.225	6.21	6.4	6.6	6.804
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	16	0.316	0.351	1.	0.1	0.041	0.201	0.163	0.251	0.398	0.651
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	12	6.85	6.95	7.4	6.7	0.052	0.228	6.7	6.8	7.175	7.34
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	12	6.847	6.902	7.4	6.7	0.054	0.233	6.7	6.8	7.175	7.34
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	12	0.142	0.125	0.2	0.04	0.003	0.055	0.047	0.067	0.158	0.2
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	11	20.	20.818	35.	16.	31.564	5.618	16.2	17.	21.	33.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	5.	7.353	30.	1.5	70.618	8.403	1.5	2.75	7.	28.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	1.	1.529	7.	0.5	2.671	1.634	0.5	0.75	1.5	4.6
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	4.	6.118	26.	1.5	46.235	6.8	1.5	2.75	6.	22.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	16	0.08	0.08	0.23	0.02	0.002	0.05	0.02	0.06	0.09	0.153
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	16##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.007
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	16	0.47	0.438	0.89	0.07	0.09	0.3	0.07	0.103	0.723	0.883
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	16	0.4	0.369	0.6	0.1	0.02	0.14	0.17	0.3	0.475	0.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	16	0.05	0.053	0.19	0.02	0.002	0.042	0.02	0.03	0.058	0.127
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	16	0.01	0.015	0.03	0.005	0.	0.009	0.005	0.006	0.02	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	15	3.3	3.193	7.	1.7	1.785	1.336	1.7	2.4	3.7	5.38
00955 SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	16	9.95	8.512	11.2	1.1	8.551	2.924	3.48	6.825	11.	11.06

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

Annual Analysis for 1992 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	20	15.65	16.22	29.9	3.	82.775	9.098	5.1	6.5	24.3	28.06
00078 TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	14	1.275	1.6	3.3	0.3	0.817	0.904	0.35	0.938	2.425	3.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	20	77.5	79.5	93.	69.	46.895	6.848	72.	75.	83.75	90.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	80.5	84.2	132.	68.	329.956	18.165	68.	73.25	87.	127.5
00096 SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

Annual Analysis for 1978 - Station FRSP0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	6	15.9	15.383	24.	2.	65.822	8.113	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	6	7.7	8.433	12.1	7.6	3.243	1.801	**	**	**	**
00400 PH (STANDARD UNITS)	03/07/78-06/17/87	6	6.45	6.4	6.7	6.1	0.064	0.253	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	6	6.447	6.338	6.7	6.1	0.069	0.262	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	6	0.357	0.459	0.794	0.2	0.072	0.268	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	5##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	5##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	5	0.3	0.34	0.5	0.1	0.028	0.167	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	5##	50.	230.	800.	50.	105750.	325.192	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	5##	1.699	2.06	2.903	1.699	0.29	0.538	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		114.87									

** - 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 1979 - Station FRSP0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	10	12.	13.53	24.	5.	37.398	6.115	5.2	8.875	18.825	23.73
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	6	88.	94.5	143.	74.	675.9	25.998	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	10	9.7	9.89	12.	8.	1.748	1.322	8.04	9.	10.825	11.98
00310 BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	6	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	6	14.	15.	23.	9.	24.	4.899	**	**	**	**
00400 PH (STANDARD UNITS)	03/07/78-06/17/87	10	6.5	6.49	7.	6.2	0.054	0.233	6.21	6.3	6.6	6.96
00400 CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	10	6.5	6.441	7.	6.2	0.057	0.239	6.21	6.3	6.6	6.96
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	10	0.316	0.362	0.631	0.1	0.027	0.163	0.115	0.251	0.501	0.618
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	6	11.5	43.5	200.	5.	5927.5	76.99	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	6	4.5	5.083	9.	2.	8.242	2.871	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	6	7.5	8.333	17.	3.	24.667	4.967	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	9##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	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)	07/30/79-06/17/87	6	0.205	0.22	0.33	0.13	0.006	0.075	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	8	0.4	0.438	0.7	0.2	0.026	0.16	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	5	0.1	0.1	0.2	0.05	0.004	0.061	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	6	0.02	0.019	0.04	0.005	0.	0.012	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	6	8.5	7.5	10.	1.	10.7	3.271	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	100.	200.	700.	50.	51250.	226.385	50.	50.	350.	700.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	2.	2.08	2.845	1.699	0.201	0.448	1.699	1.699	2.54	2.845
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		120.231									

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

Annual Analysis for 1980 - Station FRSP0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	10	10.25	10.57	19.5	0.5	45.689	6.759	0.85	4.6	18.175	19.45
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	10	88.5	92.4	139.	75.	387.822	19.693	75.1	76.	100.5	135.3
00300 OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	10	10.3	10.41	12.1	8.2	2.343	1.531	8.24	9.125	11.95	12.1
00310 BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	10	1.	1.4	2.	1.	0.267	0.516	1.	1.	2.	2.
00340 COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	10	9.	10.55	21.	0.5	65.136	8.071	0.55	3.25	20.	20.9
00400 PH (STANDARD UNITS)	03/07/78-06/17/87	10	6.7	6.66	7.2	6.3	0.112	0.334	6.3	6.3	6.95	7.19
00400 CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	10	6.7	6.558	7.2	6.3	0.123	0.351	6.3	6.3	6.95	7.19
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	10	0.2	0.277	0.501	0.063	0.032	0.18	0.065	0.114	0.501	0.501
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	10	6.5	12.3	38.	2.5	143.067	11.961	2.5	4.375	18.25	37.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	10	2.5	3.3	10.	1.	7.733	2.781	1.	1.	5.	9.5
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	10	5.5	9.75	28.	2.	99.347	9.967	2.05	2.5	15.75	27.9

** - 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 1994 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	13	16.3	17.338	29.3	0.6	79.148	8.896	2.88	9.9	25.7	28.34
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	3.6	6.18	19.	1.7	30.466	5.52	1.78	2.8	9.075	18.33
00078 TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	8	1.125	1.556	3.3	0.6	1.044	1.022	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	13	92.	87.846	102.	69.	82.308	9.072	71.4	82.	93.	99.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	9	81.	81.889	101.	66.	119.861	10.948	66.	72.	89.	101.
00096 SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	13	9.5	9.915	15.6	7.3	4.83	2.198	7.58	8.2	11.2	14.08
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10	1.	1.06	2.7	0.5	0.46	0.679	0.5	0.5	1.325	2.57
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	13	7.3	7.377	8.5	6.4	0.4	0.633	6.52	6.9	7.7	8.5
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	13	7.3	7.049	8.5	6.4	0.517	0.719	6.52	6.9	7.7	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	13	0.05	0.089	0.398	0.003	0.012	0.11	0.003	0.02	0.126	0.319
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	10	6.6	6.63	6.9	6.4	0.022	0.149	6.41	6.5	6.725	6.89
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	10	6.6	6.608	6.9	6.4	0.023	0.151	6.41	6.5	6.725	6.89
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	10	0.251	0.247	0.398	0.126	0.007	0.081	0.129	0.189	0.316	0.39
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	10	25.	22.7	30.	12.	30.233	5.498	12.4	18.25	26.25	29.7
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	6.	7.682	28.	1.5	57.964	7.613	1.5	1.5	10.	24.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	11##	1.5	1.909	4.	1.	1.091	1.044	1.1	1.5	1.5	4.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	4.	6.091	24.	1.5	43.991	6.633	1.5	1.5	8.	21.2
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	11	0.02	0.02	0.05	0.002	0.	0.015	0.003	0.006	0.036	0.047
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	11	0.003	0.004	0.01	0.001	0.	0.003	0.001	0.002	0.007	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	11	0.47	0.406	0.92	0.07	0.071	0.266	0.08	0.13	0.54	0.88
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	11	0.015	0.016	0.031	0.003	0.	0.009	0.004	0.007	0.021	0.031
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	5	2.7	2.84	4.4	1.5	1.563	1.25	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	4	24.	24.5	28.	22.	7.	2.646	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	5	6.	6.6	8.	6.	0.8	0.894	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	5	6.	6.	6.	6.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	11	11.6	12.518	26.1	7.	30.222	5.497	7.2	9.	14.	24.58

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

Annual Analysis for 1995 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	11	11.6	14.873	25.8	2.5	92.736	9.63	3.02	5.6	25.6	25.8
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	12	7.6	10.367	23.	3.	39.788	6.308	3.6	5.9	15.4	22.1
00078 TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	12	1.3	1.408	3.2	0.5	0.634	0.796	0.5	0.825	2.025	2.9
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	11	85.	87.	102.	80.	43.2	6.573	80.2	81.	91.	100.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	12	83.	85.833	104.	75.	63.242	7.953	76.5	80.5	92.5	101.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	11	10.3	10.273	13.6	7.3	5.59	2.364	7.36	7.8	12.4	13.38
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	12##	0.5	0.667	1.9	0.5	0.181	0.425	0.5	0.5	0.5	1.66
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	8	7.2	6.962	7.4	5.6	0.377	0.614	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	8	7.2	6.41	7.4	5.6	0.726	0.852	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	8	0.063	0.389	2.512	0.04	0.739	0.86	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	12	6.9	6.8	7.2	6.3	0.076	0.276	6.36	6.525	7.	7.17
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	12	6.9	6.717	7.2	6.3	0.084	0.29	6.36	6.525	7.	7.17
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	12	0.126	0.192	0.501	0.063	0.017	0.131	0.068	0.1	0.3	0.446
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	12	21.	21.	30.	17.	12.182	3.49	17.	19.	22.75	27.9
00500 RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	12	68.	67.917	87.	49.	119.902	10.95	50.8	57.75	76.	84.6
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	12	20.5	19.25	26.	9.	26.568	5.154	9.3	17.25	23.	25.1
00510 RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	12	47.5	48.667	64.	36.	67.879	8.239	37.2	42.5	55.25	62.5
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	6.	9.167	34.	3.	72.879	8.537	3.	4.25	11.75	27.7
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	12##	1.5	1.708	4.	1.5	0.521	0.722	1.5	1.5	1.5	3.25
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	4.	7.417	30.	1.5	60.765	7.795	1.5	3.25	9.75	24.3
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	12##	0.02	0.026	0.06	0.02	0.	0.014	0.02	0.02	0.02	0.057
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	12##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	12	0.52	0.473	0.71	0.02	0.044	0.21	0.056	0.378	0.64	0.692
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	12	0.25	0.275	0.5	0.1	0.013	0.114	0.13	0.2	0.375	0.47

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

Annual Analysis for 1982 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	11	0.01	0.009	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.018
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	11	0.49	0.6	1.3	0.3	0.102	0.32	0.302	0.32	0.79	1.24
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	11	0.5	0.464	0.9	0.1	0.071	0.266	0.12	0.2	0.7	0.88
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	11##	0.05	0.1	0.3	0.05	0.007	0.081	0.05	0.05	0.1	0.28
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	11	0.02	0.03	0.08	0.005	0.001	0.022	0.006	0.02	0.04	0.076
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	11	5.	6.545	17.	2.	17.073	4.132	2.4	4.	9.	15.4
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	9	200.	1655.556	8000.	50.	8054652.778	2838.072	50.	75.	2850.	8000.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	9	2.301	2.586	3.903	1.699	0.646	0.804	1.699	1.849	3.297	3.903
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		385.53									

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

Annual Analysis for 1983 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	11	10.7	11.336	23.	2.	48.013	6.929	2.6	6.2	15.	22.96
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	11	97.	90.182	112.	66.	241.164	15.529	66.8	78.	103.	110.8
00300 OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	11	11.4	10.509	13.	7.	3.401	1.844	7.32	9.2	12.1	12.84
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	11	2.	2.727	4.	1.	1.218	1.104	1.2	2.	4.	4.
00340 COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	11	20.	18.455	39.	6.	102.673	10.133	6.2	11.	26.	37.
00400 PH (STANDARD UNITS)		03/07/78-06/17/87	11	6.2	6.277	7.	5.8	0.22	0.469	5.8	5.8	6.65	7.
00400 CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	11	6.2	6.096	7.	5.8	0.256	0.506	5.8	5.8	6.65	7.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	11	0.631	0.802	1.585	0.1	0.383	0.619	0.1	0.224	1.585	1.585
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	11.	30.591	110.	2.5	1355.041	36.811	3.2	6.	69.	102.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	6.	7.864	28.	0.	64.205	8.013	0.4	2.5	8.	25.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	4.	22.955	82.	0.	905.023	30.084	0.2	2.5	52.	79.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	11##	0.05	0.1	0.4	0.05	0.011	0.102	0.05	0.05	0.1	0.34
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	11##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.018
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	11	0.32	0.469	1.3	0.16	0.127	0.357	0.164	0.22	0.7	1.22
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	11	0.4	0.568	1.7	0.2	0.219	0.468	0.21	0.3	0.7	1.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	11##	0.05	0.068	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	11	0.04	0.037	0.06	0.005	0.	0.016	0.006	0.03	0.05	0.058
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	11	10.	9.273	18.	3.	23.618	4.86	3.2	5.	13.	17.4
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	11	300.	950.	5800.	50.	2783500.	1668.382	60.	100.	1000.	4920.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	11	2.477	2.568	3.763	1.699	0.365	0.604	1.759	2.	3.	3.64
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		369.519									

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

Annual Analysis for 1984 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	11	13.	12.173	20.5	1.	54.25	7.365	1.34	6.	19.2	20.4
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	11	84.	82.182	97.	69.	76.364	8.739	69.2	73.	88.	95.8
00300 OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	11	10.	10.536	14.6	8.4	4.891	2.211	8.4	8.6	12.4	14.3
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	11	1.	1.409	2.	0.5	0.341	0.584	0.6	1.	2.	2.
00340 COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	11	10.	11.136	19.	0.5	50.005	7.071	0.8	6.	18.	19.
00400 PH (STANDARD UNITS)		03/07/78-06/17/87	11	6.7	6.609	7.	5.5	0.177	0.421	5.66	6.6	6.9	7.
00400 CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	11	6.7	6.317	7.	5.5	0.271	0.52	5.66	6.6	6.9	7.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	11	0.2	0.482	3.162	0.1	0.803	0.896	0.1	0.126	0.251	2.63
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	7.	8.864	39.	2.5	112.405	10.602	2.5	2.5	9.	33.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	3.	3.864	7.	2.5	2.705	1.645	2.5	2.5	5.	6.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	2.5	6.136	33.	2.	82.405	9.078	2.	2.5	6.	27.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	11##	0.05	0.073	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	11##	0.005	0.006	0.02	0.005	0.	0.005	0.005	0.005	0.005	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

Annual Analysis for 1997 - Station FRSP0023

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)		06/24/76-12/10/98	9	7.3	7.289	7.6	7.	0.051	0.226	7.	7.05	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)		06/24/76-12/10/98	9	7.3	7.238	7.6	7.	0.054	0.233	7.	7.05	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/24/76-12/10/98	9	0.05	0.058	0.1	0.025	0.001	0.029	0.025	0.032	0.09	0.1
00403	PH, LAB, STANDARD UNITS	SU	02/21/91-12/10/98	10	6.9	6.79	7.	6.1	0.085	0.292	6.14	6.65	7.	7.
00403	CONVERTED PH, LAB, STANDARD UNITS		02/21/91-12/10/98	10	6.9	6.674	7.	6.1	0.101	0.317	6.14	6.65	7.	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/21/91-12/10/98	10	0.126	0.212	0.794	0.1	0.046	0.216	0.1	0.1	0.229	0.747
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/91-12/10/98	10	21.5	21.2	29.	15.	17.067	4.131	15.2	17.75	23.	28.7
00500	RESIDUE, TOTAL (MG/L)		06/16/92-12/10/98	9	64.	63.556	91.	51.	149.028	12.208	51.	54.5	68.	91.
00505	RESIDUE, TOTAL VOLATILE (MG/L)		06/16/92-12/10/98	9	18.	18.778	30.	11.	35.444	5.954	11.	15.	23.	30.
00510	RESIDUE, TOTAL FIXED (MG/L)		06/16/92-12/10/98	9	44.	44.778	72.	29.	174.194	13.198	29.	35.5	53.	72.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	8	3.	5.125	17.	1.5	28.625	5.35	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	8##	1.5	1.688	3.	1.5	0.281	0.53	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	8##	2.25	4.125	14.	1.5	19.411	4.406	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	10##	0.02	0.025	0.05	0.02	0.	0.011	0.02	0.02	0.025	0.049
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	10##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.006	0.019
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		06/24/76-12/10/98	10	0.515	0.449	0.72	0.075	0.065	0.256	0.077	0.165	0.68	0.719
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	10	0.3	0.265	0.4	0.05	0.016	0.125	0.055	0.175	0.4	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)		02/21/91-12/10/98	10##	0.075	0.075	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)		04/16/92-12/10/98	6	23.5	23.833	32.	20.	19.367	4.401	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	10	4.	4.4	8.	2.5	3.933	1.983	2.5	2.5	6.	7.8
00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	10	7.	6.8	8.	5.	1.511	1.229	5.	5.75	8.	8.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	10	0.035	0.036	0.08	0.01	0.	0.021	0.011	0.02	0.05	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

Annual Analysis for 1998 - Station FRSP0023

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/24/76-12/10/98	10	17.05	17.3	27.6	6.2	68.349	8.267	6.22	9.7	25.625	27.53
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		04/13/93-12/10/98	10	6.05	10.61	25.8	2.	86.754	9.314	2.12	3.65	21.175	25.69
00078	TRANSPARENCY, SECCHI DISC (METERS)		02/21/91-12/10/98	9	1.	1.356	3.	0.4	0.81	0.9	0.4	0.6	2.15	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		02/21/91-12/10/98	10	83.5	93.5	140.	64.	696.944	26.4	64.4	69.5	115.5	138.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-12/10/98	10	84.5	95.3	150.	64.	966.456	31.088	64.1	67.25	122.5	148.
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	02/21/91-12/10/98	10	10.55	10.	13.	7.	4.211	2.052	7.06	7.75	11.5	12.94
00310	BOD, 5 DAY, 20 DEG C	MG/L	05/11/76-12/10/98	10##	1.	1.2	2.	1.	0.178	0.422	1.	1.	1.25	2.
00400	PH (STANDARD UNITS)		06/24/76-12/10/98	10	7.2	7.34	8.6	6.9	0.234	0.484	6.91	7.	7.425	8.49
00400	CONVERTED PH (STANDARD UNITS)		06/24/76-12/10/98	10	7.2	7.201	8.6	6.9	0.255	0.505	6.91	7.	7.425	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/24/76-12/10/98	10	0.063	0.063	0.126	0.003	0.001	0.037	0.005	0.038	0.1	0.123
00403	PH, LAB, STANDARD UNITS	SU	02/21/91-12/10/98	10	6.55	6.53	6.7	6.4	0.011	0.106	6.4	6.4	6.6	6.69
00403	CONVERTED PH, LAB, STANDARD UNITS		02/21/91-12/10/98	10	6.547	6.518	6.7	6.4	0.011	0.107	6.4	6.4	6.6	6.69
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/21/91-12/10/98	10	0.284	0.303	0.398	0.2	0.005	0.074	0.205	0.251	0.398	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/91-12/10/98	10	27.	24.4	33.	15.	53.6	7.321	15.1	16.75	31.	32.8
00500	RESIDUE, TOTAL (MG/L)		06/16/92-12/10/98	9	71.	73.222	94.	58.	124.194	11.144	58.	65.	81.	94.
00505	RESIDUE, TOTAL VOLATILE (MG/L)		06/16/92-12/10/98	9	21.	18.667	29.	5.	72.75	8.529	5.	10.5	26.	29.
00510	RESIDUE, TOTAL FIXED (MG/L)		06/16/92-12/10/98	9	53.	54.556	69.	41.	92.528	9.619	41.	46.5	63.	69.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/11/76-12/10/98	8	12.5	12.938	28.	1.5	103.603	10.179	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		05/11/76-12/10/98	8##	2.25	2.875	6.	1.5	2.839	1.685	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		05/11/76-12/10/98	8	8.5	10.063	24.	1.5	80.96	8.998	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/11/76-12/10/98	10##	0.02	0.024	0.04	0.02	0.	0.008	0.02	0.02	0.025	0.04
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		05/11/76-12/10/98	10##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		06/24/76-12/10/98	10	0.25	0.938	7.	0.02	4.58	2.14	0.025	0.078	0.603	6.361
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/11/76-12/10/98	10	0.2	0.385	1.4	0.05	0.153	0.392	0.065	0.2	0.525	1.32
00665	PHOSPHORUS, TOTAL (MG/L AS P)		02/21/91-12/10/98	10	0.1	0.12	0.3	0.1	0.004	0.063	0.1	0.1	0.1	0.28
00900	HARDNESS, TOTAL (MG/L AS CACO3)		04/16/92-12/10/98	7	34.	33.571	51.	25.	73.952	8.6	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	08/10/94-12/10/98	10	5.5	6.4	14.	2.5	17.489	4.182	2.5	2.5	10.25	13.7
00945	SULFATE, TOTAL (MG/L AS SO4)		06/29/77-12/10/98	10	7.	7.6	13.	5.	7.156	2.675	5.	5.	10.	12.7
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/11/76-12/10/98	10	0.04	0.062	0.27	0.02	0.006	0.074	0.021	0.03	0.055	0.25

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

Annual Analysis for 1986 - Station FRSP0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	9	0.4	0.456	0.7	0.3	0.018	0.133	0.3	0.35	0.55	0.7
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	9	0.1	0.094	0.2	0.05	0.002	0.046	0.05	0.05	0.1	0.2
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	9	0.04	0.038	0.07	0.01	0.	0.022	0.01	0.015	0.055	0.07
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	9	6.	5.778	8.	4.	1.194	1.093	4.	5.	6.	8.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	300.	305.556	900.	50.	75902.778	275.505	50.	50.	450.	900.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	2.477	2.29	2.954	1.699	0.228	0.477	1.699	1.699	2.651	2.954
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		194.858									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	3	17.	15.867	22.1	8.5	47.203	6.87	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	3	91.	455.	1190.	84.	405181.	636.538	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	3	9.3	9.267	11.2	7.3	3.803	1.95	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	3	13.	12.667	15.	10.	6.333	2.517	**	**	**	**
00400 PH (STANDARD UNITS)	03/07/78-06/17/87	3	7.2	7.133	7.4	6.8	0.093	0.306	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	3	7.2	7.06	7.4	6.8	0.101	0.318	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	3	0.063	0.087	0.158	0.04	0.004	0.063	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	3	11.	10.	11.	8.	3.	1.732	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	3	6.	6.333	7.	6.	0.333	0.577	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	3	2.5	3.167	5.	2.	2.583	1.607	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	3##	0.005	0.02	0.05	0.005	0.001	0.026	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	3	0.25	0.31	0.55	0.13	0.047	0.216	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	3	0.7	0.8	1.3	0.4	0.21	0.458	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	3##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	3	0.03	0.038	0.08	0.005	0.001	0.038	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	3	9.	7.333	9.	4.	8.333	2.887	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	3	500.	733.333	1500.	200.	463333.333	680.686	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	3	2.699	2.725	3.176	2.301	0.192	0.438	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		531.329									

** - 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

Parameter Inventory for Station: FRSP0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/21/86-04/04/86	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/21/86-04/04/86	2	6.75	6.75	7.5	6.	1.125	1.061	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/86-04/04/86	2	62.	62.	67.	57.	50.	7.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/21/86-04/04/86	2	107.5	107.5	142.	73.	2380.5	48.79	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/21/86-04/04/86	2	0.095	0.095	0.1	0.09	0.	0.007	**	**	**	**
71885	IRON (UG/L AS FE)	03/21/86-04/04/86	2	91.435	91.435	93.93	88.94	12.45	3.528	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/21/86-04/04/86	2	208.	208.	208.	208.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/04/86-04/04/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	03/21/86-04/04/86	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	2	1.00				1	1	1.00	1	1	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00				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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	23	17.	16.174	22.8	7.	21.497	4.637	8.2	13.	19.4	22.06
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	23	91.	139.565	1190.	66.	52813.166	229.811	69.	76.	110.	130.
00300 OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	26	9.35	9.227	12.2	6.5	2.395	1.548	7.3	7.85	10.6	11.53
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	23	1.	1.652	4.	1.	0.783	0.885	1.	1.	2.	3.2
00340 COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	23	13.	13.761	39.	0.5	72.679	8.525	1.4	10.	17.	26.
00400 PH (STANDARD UNITS)		03/07/78-06/17/87	26	6.55	6.512	7.4	5.8	0.159	0.398	5.94	6.275	6.8	7.06
00400 CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	26	6.547	6.345	7.4	5.8	0.187	0.433	5.94	6.275	6.8	7.06
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	26	0.284	0.451	1.585	0.04	0.179	0.423	0.089	0.158	0.534	1.175
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	23	10.	16.239	110.	2.5	476.179	21.822	5.4	7.	15.	32.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	23	5.	5.761	28.	1.	28.77	5.364	2.	2.	7.	8.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	23	5.	10.522	82.	0.	292.238	17.095	2.	2.5	12.	26.6
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	25	0.1	0.112	0.4	0.05	0.005	0.074	0.05	0.075	0.1	0.2
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	25##	0.005	0.011	0.05	0.005	0.	0.01	0.005	0.005	0.01	0.024
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	23	0.3	0.365	0.78	0.13	0.035	0.188	0.154	0.22	0.49	0.708
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	23	0.5	0.578	1.7	0.2	0.115	0.338	0.3	0.4	0.6	1.14
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	21##	0.05	0.081	0.2	0.05	0.002	0.046	0.05	0.05	0.1	0.18
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	23	0.03	0.031	0.08	0.005	0.	0.018	0.01	0.02	0.04	0.056
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	23	8.	8.261	18.	4.	10.111	3.18	5.4	6.	9.	13.8
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	24	350.	693.75	5800.	50.	1338763.587	1157.05	100.	200.	675.	1400.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	24	2.54	2.567	3.763	1.699	0.217	0.466	2.	2.301	2.828	3.145
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	369.008								

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

Parameter Inventory for Station: FRSP0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	7##	0.09	0.114	0.3	0.05	0.007	0.084	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	7	8.5	8.714	13.4	5.3	9.065	3.011	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/07/78-07/09/86	10##	3.	3.85	10.	0.5	14.392	3.794	0.5	0.5	6.25	10.
01042 COPPER, TOTAL (UG/L AS CU)	03/07/78-07/09/86	10##	5.	5.5	10.	5.	2.5	1.581	5.	5.	5.	9.5
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-08/19/86	7	3.5	3.661	7.6	1.7	4.557	2.135	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/13/78-10/29/79	3	1140.	1486.667	2700.	620.	1171733.333	1082.466	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/13/78-07/09/86	9	4.	3.944	9.	0.5	9.653	3.107	0.5	1.	6.5	9.
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-08/19/86	7	21.	19.164	30.4	5.75	58.386	7.641	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	11/13/78-10/29/79	3	80.	86.667	100.	80.	133.333	11.547	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	07/18/83-07/18/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	03/07/78-03/13/79	3##	50.	38.333	60.	5.	858.333	29.297	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	10/29/79-07/09/86	7##	10.	26.429	90.	5.	1047.619	32.367	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	7	3.05	2.764	4.2	1.4	1.384	1.176	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/07/78-07/09/86	10##	7.5	11.5	40.	5.	122.5	11.068	5.	5.	12.5	38.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-08/19/86	7	16.4	27.356	91.1	7.49	849.109	29.139	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/18/83-07/18/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-08/19/86	4##	0.975	2.188	6.	0.8	6.471	2.544	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	86	200.	542.442	8000.	50.	1388324.555	1178.272	50.	50.	525.	1100.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	86	2.301	2.299	3.903	1.699	0.328	0.573	1.699	1.699	2.719	3.041
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		199.237								
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34480 THALLIUM DRY WGTBOTMG/KG	05/16/83-08/19/86	4##	0.95	1.425	3.	0.8	1.109	1.053	**	**	**	**
34671 PCB - 1016 TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442 DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451 DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39061 PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-08/19/86	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39062 CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39065 CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39068 CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39071 CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39305 O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39315 O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39327 ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	9	0.	0.011	0.05	0.	0.	0.022	0.	0.	0.025	0.05
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-06/06/84	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-08/19/86	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-08/19/86	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2##	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: FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	04/25/71-07/07/86	12##	1.	1.333	2.5	0.5	0.833	0.913	0.5	0.5	2.5	2.5
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/13/84	4	6.098	5.749	9.6	1.2	18.319	4.28	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	07/25/83-07/25/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01013 BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/13/84-06/13/84	1##	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/25/70-07/07/86	16##	5.	3.594	5.	0.5	4.641	2.154	0.5	0.5	5.	5.
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	4##	0.13	0.195	0.46	0.06	0.033	0.181	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	4	8.6	13.408	28.5	7.93	101.577	10.079	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-07/07/86	24##	5.	6.167	20.	0.5	22.471	4.74	1.25	5.	5.	15.
01042 COPPER, TOTAL (UG/L AS CU)	03/18/70-07/07/86	23##	5.	7.174	20.	5.	20.059	4.479	5.	5.	10.	16.
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/13/84	4	8.6	11.15	25.3	2.1	114.383	10.695	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/25/70-10/23/79	4	350.	360.	500.	240.	13066.667	114.31	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/25/70-07/07/86	20##	5.	6.325	30.	0.5	53.402	7.308	0.55	1.125	5.75	19.3
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/13/84	4	13.45	13.24	25.6	0.46	105.437	10.268	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	03/18/70-10/23/79	4	45.	45.	70.	20.	566.667	23.805	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	07/25/83-07/25/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-05/02/77	6##	50.	42.5	50.	5.	337.5	18.371	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	10/23/79-07/07/86	6##	7.5	17.5	50.	5.	347.5	18.641	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	4	6.1	6.8	12.8	2.2	20.88	4.569	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/18/70-07/07/86	25##	5.	12.76	109.	5.	477.523	21.852	5.	5.	10.	34.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/23/82	3	12.9	22.687	54.7	0.46	807.329	28.414	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/25/83-07/25/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/13/84-06/13/84	1	19.2	19.2	19.2	19.2	0.	0.	**	**	**	**
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-05/11/76	17	2400.	4813.706	11000.	93.	18564115.971	4308.61	618.6	930.	9300.	11000.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/01/68-05/11/76	17	3.38	3.426	4.041	1.968	0.331	0.575	2.694	2.968	3.968	4.041
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	2667.859								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	123	100.	670.244	8000.	10.	2319263.055	1522.913	50.	50.	300.	2160.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	123	2.	2.231	3.903	1.	0.398	0.631	1.699	1.699	2.477	3.334
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	170.109								
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34480 THALLIUM DRY WGTBOTMG/KG	06/13/84-06/13/84	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442 DICAMBA (BANVEL) WATER,DISSUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451 DICHLORPROP WATER,SUSPUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39061 PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/13/84-06/13/84	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39062 CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39065 CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39068 CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39071 CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39305 O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39315 O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39327 ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	0.	0.008	0.05	0.	0.	0.02	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/30/81-06/23/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/13/84-06/13/84	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/13/84-06/13/84	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	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 time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0025

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00	2	0	0.00									
	Drinking Water	0.2	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	1	0	0.00	1	0	0.00			
	Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00	2	0	0.00									
	Drinking Water	3.	2	0	0.00	2	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
	Drinking Water	0.4	2	0	0.00	2	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
	Drinking Water	0.2	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	1	0	0.00	1	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00									
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	1.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00	2	0	0.00									
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00	2	0	0.00									
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	8	1	0.13	2	1	0.50	2	0	0.00	4	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	10	0	0.00	6	0	0.00	4	0	0.00						
	Drinking Water	2.	10	0	0.00	6	0	0.00	4	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: FRSP0026

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
	Drinking Water	50.	1	0	0.00	1	0	0.00									
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	17	12	0.71	9	7	0.78	3	3	1.00	5	2	0.40			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	123	46	0.37	48	13	0.27	38	14	0.37	37	19	0.51			
34356 ENDOSULFAN, BETA	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
	Drinking Water	1.	3	0	0.00	2	0	0.00	1	0	0.00						
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	3	0	0.00	2	0	0.00	1	0	0.00						
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00	2	0	0.00	1	0	0.00						
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00	2	0	0.00	1	0	0.00						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	6	0	0.00	5	0	0.00	1	0	0.00						
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	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						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	3	0	0.00	2	0	0.00	1	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	3	0	0.00	2	0	0.00	1	0	0.00						
	Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
	Drinking Water	3.	1	0	0.00	1	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
	Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	1	0	0.00	1	0	0.00						
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00									
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	2	0	0.00	1	0	0.00	1	0	0.00						
	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	18	2	0.11	5	0	0.00	5	1	0.20	8	1	0.13			
71900 MERCURY, TOTAL	Fresh Acute	2.4	23	0	0.00	10	0	0.00	6	0	0.00	7	0	0.00			
	Drinking Water	2.	23	0	0.00	10	0	0.00	6	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

Annual Analysis for 1980 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	9	0.1	0.078	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	10##	0.005	0.057	0.5	0.005	0.024	0.156	0.005	0.005	0.013	0.452
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	10	0.475	0.466	0.7	0.27	0.015	0.122	0.28	0.37	0.525	0.69
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	10	0.25	0.25	0.4	0.1	0.012	0.108	0.1	0.175	0.325	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	10##	0.075	0.075	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	10	0.02	0.019	0.04	0.01	0.	0.01	0.01	0.01	0.023	0.039
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	10	9.5	8.7	12.	4.	7.122	2.669	4.2	6.	10.5	12.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	10	100.	260.	1300.	50.	154888.889	393.559	50.	50.	350.	1220.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	10	2.	2.109	3.114	1.699	0.245	0.495	1.699	1.699	2.533	3.072
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		128.408									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0025

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	12	14.	12.725	22.8	1.3	59.469	7.712	1.6	5.375	19.45	22.56
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	12	108.5	106.833	145.	67.	374.879	19.362	74.8	94.5	113.25	140.5
00300	OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	12	8.9	9.808	13.8	6.5	6.386	2.527	6.74	7.75	12.55	13.59
00310	BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	12	1.	1.667	4.	1.	0.97	0.985	1.	1.	2.	3.7
00340	COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	12	11.	11.417	23.	2.	35.356	5.946	2.9	7.25	15.5	21.8
00400	PH (STANDARD UNITS)		03/07/78-06/17/87	12	6.4	6.525	7.7	6.2	0.18	0.425	6.2	6.225	6.725	7.43
00400	CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	12	6.4	6.411	7.7	6.2	0.194	0.441	6.2	6.225	6.725	7.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	12	0.398	0.388	0.631	0.02	0.041	0.203	0.062	0.198	0.599	0.631
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	12	7.	7.25	19.	2.5	23.932	4.892	2.5	2.5	10.	16.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	12	2.5	4.	14.	2.	11.909	3.451	2.	2.	5.	11.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	12	4.	4.083	8.	2.	3.447	1.857	2.15	2.5	5.	7.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	12##	0.05	0.062	0.1	0.05	0.001	0.023	0.05	0.05	0.088	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	12##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.009	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	12	0.335	0.383	0.8	0.2	0.026	0.163	0.2	0.293	0.475	0.71
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	12	0.4	0.392	0.6	0.1	0.024	0.156	0.13	0.3	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	12##	0.05	0.062	0.1	0.05	0.001	0.023	0.05	0.05	0.088	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	12	0.02	0.028	0.1	0.01	0.001	0.024	0.01	0.02	0.03	0.079
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	12	6.5	6.917	13.	1.	11.174	3.343	1.9	4.25	9.5	12.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	12	100.	312.5	1600.	50.	200965.909	448.292	50.	50.	450.	1300.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	12	2.	2.178	3.204	1.699	0.279	0.529	1.699	1.699	2.644	3.076
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		150.497									

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

Annual Analysis for 1982 - Station FRSP0025

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	8	11.25	10.375	23.	0.1	65.476	8.092	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	11	110.	104.545	121.	71.	219.873	14.828	74.6	96.	115.	120.8
00300	OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	12	10.05	10.192	13.1	7.5	3.864	1.966	7.68	8.4	12.1	13.07
00310	BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	11	2.	2.	5.	1.	1.4	1.183	1.	1.	2.	4.6
00340	COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	11	14.	17.727	45.	10.	96.018	9.799	10.4	12.	19.	40.6
00400	PH (STANDARD UNITS)		03/07/78-06/17/87	12	6.45	6.492	7.	6.	0.09	0.3	6.03	6.3	6.775	6.94
00400	CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	12	6.447	6.4	7.	6.	0.099	0.315	6.03	6.3	6.775	6.94
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	12	0.357	0.398	1.	0.1	0.074	0.272	0.118	0.169	0.501	0.938
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	5.	16.136	58.	2.5	320.055	17.89	2.5	2.5	29.	53.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	2.5	7.045	30.	2.	71.473	8.454	2.	2.	7.	26.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	11	3.	9.773	44.	2.5	167.618	12.947	2.5	2.5	14.	39.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	11	0.1	0.095	0.2	0.05	0.003	0.057	0.05	0.05	0.1	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 box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	5	20.5	17.28	31.	1.9	200.217	14.15	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	5	8.4	8.16	10.	6.3	1.883	1.372	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	5	7.7	7.74	7.8	7.7	0.003	0.055	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	5	7.7	7.737	7.8	7.7	0.003	0.055	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	5	0.02	0.018	0.02	0.016	0.	0.002	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	5	0.1	0.19	0.6	0.05	0.053	0.23	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	4##	0.013	0.02	0.05	0.005	0.	0.021	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	5	0.2	0.46	1.299	0.1	0.243	0.493	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	5	100.	100.	200.	50.	3750.	61.237	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	5	2.	1.94	2.301	1.699	0.063	0.252	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		87.055									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-06/13/79	5##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-06/13/79	5##	0.005	0.039	0.14	0.005	0.003	0.058	**	**	**	**

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

Annual Analysis for 1978 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	6	19.	18.833	26.	8.	42.867	6.547	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	5	9.2	8.98	10.2	7.2	1.552	1.246	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	6	7.45	7.7	9.	7.4	0.408	0.639	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	6	7.447	7.514	9.	7.4	0.449	0.67	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	6	0.036	0.031	0.04	0.001	0.	0.015	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	6##	0.05	0.067	0.1	0.05	0.001	0.026	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	6	0.01	0.017	0.06	0.005	0.	0.021	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	6	0.3	0.3	0.5	0.1	0.02	0.141	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	5	100.	760.	2900.	50.	1506750.	1227.497	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	5	2.	2.341	3.462	1.699	0.613	0.783	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		219.325									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-06/13/79	6##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-06/13/79	6	0.02	0.035	0.12	0.005	0.002	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

Annual Analysis for 1979 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	7	21.	18.671	26.5	1.7	65.339	8.083	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	7	9.1	9.357	13.1	8.	2.913	1.707	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	7	7.4	7.457	7.9	7.	0.093	0.305	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	7	7.4	7.371	7.9	7.	0.102	0.319	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	7	0.04	0.043	0.1	0.013	0.001	0.029	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	6##	0.05	0.1	0.2	0.05	0.006	0.077	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	6##	0.008	0.016	0.04	0.005	0.	0.015	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	4	0.49	0.508	0.6	0.45	0.004	0.064	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	6	0.2	0.2	0.4	0.05	0.023	0.152	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	6##	75.	491.667	2100.	50.	667416.667	816.956	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	6##	1.849	2.2	3.322	1.699	0.477	0.691	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		158.324									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-06/13/79	2##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-06/13/79	2	0.065	0.065	0.12	0.01	0.006	0.078	**	**	**	**

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

Annual Analysis for 1984 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	11	0.27	0.317	0.54	0.13	0.027	0.163	0.13	0.15	0.49	0.532
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	11	0.35	0.359	0.6	0.2	0.014	0.12	0.2	0.3	0.4	0.58
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	11##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	11	0.02	0.027	0.08	0.005	0.	0.021	0.006	0.01	0.03	0.074
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	10	6.	6.5	10.	1.	7.167	2.677	1.4	5.	8.5	10.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	11##	50.	272.727	1100.	50.	124681.818	353.103	50.	50.	500.	1020.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	11##	1.699	2.114	3.041	1.699	0.292	0.54	1.699	1.699	2.699	3.002
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =	130.082										

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

Annual Analysis for 1985 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	9	14.5	15.333	22.	5.	38.748	6.225	5.	10.4	21.6	22.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	9	99.	127.889	303.	69.	5607.611	74.884	69.	82.	160.	303.
00300 OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	9	8.5	8.989	12.	6.9	2.601	1.613	6.9	7.85	10.15	12.
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	9	2.	2.667	12.	1.	12.5	3.536	1.	1.	2.	12.
00340 COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	9	16.	14.889	26.	6.	44.111	6.642	6.	8.5	19.5	26.
00400 PH (STANDARD UNITS)		03/07/78-06/17/87	9	6.5	6.511	7.	5.8	0.169	0.411	5.8	6.15	6.9	7.
00400 CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	9	6.5	6.332	7.	5.8	0.205	0.453	5.8	6.15	6.9	7.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	9	0.316	0.466	1.585	0.1	0.234	0.483	0.1	0.126	0.713	1.585
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	9	10.	12.444	36.	2.5	104.715	10.233	2.5	4.75	16.5	36.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	9	5.	4.889	10.	2.	6.549	2.559	2.	2.5	6.5	10.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	9	5.	8.111	26.	2.5	57.549	7.586	2.5	2.75	11.5	26.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	7	0.1	0.1	0.2	0.05	0.003	0.05	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	7	0.01	0.016	0.05	0.005	0.	0.016	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	7	0.47	0.553	1.15	0.29	0.096	0.31	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	4	0.65	0.65	0.8	0.5	0.017	0.129	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	4##	0.075	0.1	0.2	0.05	0.005	0.071	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	7	0.03	0.048	0.15	0.005	0.002	0.048	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	9	6.	6.	9.	2.	5.	2.236	2.	4.5	7.5	9.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	7	600.	578.571	1100.	50.	189880.952	435.753	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	7	2.778	2.564	3.041	1.699	0.282	0.531	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =	366.664										

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	9	18.	13.478	21.	0.2	68.154	8.256	0.2	5.75	20.2	21.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	9	111.	104.889	132.	81.	448.361	21.175	81.	84.	126.5	132.
00300 OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	9	9.6	9.8	14.	6.4	7.947	2.819	6.4	7.25	12.55	14.
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	9	1.	1.167	2.	0.5	0.25	0.5	0.5	1.	1.5	2.
00340 COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	9	14.	13.889	16.	12.	1.611	1.269	12.	13.	14.5	16.
00400 PH (STANDARD UNITS)		03/07/78-06/17/87	9	6.2	6.3	7.2	5.3	0.383	0.618	5.3	5.9	6.9	7.2
00400 CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	9	6.2	5.956	7.2	5.3	0.516	0.718	5.3	5.9	6.9	7.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	9	0.631	1.108	5.012	0.063	2.4	1.549	0.063	0.139	1.292	5.012
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	9	7.	10.333	24.	5.	41.	6.403	5.	6.5	14.	24.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	9	4.	3.667	6.	0.	4.	2.	0.	2.	5.	6.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	9	5.	6.667	23.	0.	52.25	7.228	0.	1.5	10.	23.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	9##	0.05	0.078	0.2	0.05	0.003	0.051	0.05	0.05	0.1	0.2
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	9##	0.005	0.009	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.03
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	9	0.6	0.518	0.72	0.2	0.04	0.2	0.2	0.315	0.69	0.72

** - 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 1983 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	6	19.	17.9	26.7	7.	77.464	8.801	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	6	9.5	9.633	12.3	7.3	4.959	2.227	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	6	7.1	7.	7.2	6.4	0.092	0.303	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	6	7.1	6.884	7.2	6.4	0.108	0.329	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	6	0.079	0.131	0.398	0.063	0.017	0.132	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	5##	0.05	0.12	0.4	0.05	0.025	0.157	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	5##	0.01	0.019	0.05	0.005	0.	0.019	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	5	0.6	0.539	0.8	0.005	0.105	0.325	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	5	0.2	0.53	1.8	0.05	0.52	0.721	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	5	200.	720.	2200.	50.	875750.	935.815	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	5	2.301	2.417	3.342	1.699	0.573	0.757	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		260.95									

** - 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 1984 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	8	18.65	19.975	31.	10.5	79.805	8.933	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	8	9.65	10.113	12.	8.6	1.91	1.382	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	8	7.39	7.46	8.4	6.8	0.355	0.596	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	8	7.376	7.191	8.4	6.8	0.438	0.662	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	8	0.042	0.064	0.158	0.004	0.004	0.063	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	8##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	8##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	8	0.39	0.414	0.7	0.18	0.031	0.177	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	8	0.2	0.238	0.3	0.2	0.003	0.052	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	8##	75.	162.5	600.	50.	35535.714	188.509	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	8##	1.849	2.022	2.778	1.699	0.164	0.405	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		105.199									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	4	24.	22.15	26.6	14.	31.19	5.585	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	4	8.55	8.5	9.3	7.6	0.487	0.698	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	4	6.85	6.775	7.1	6.3	0.129	0.359	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	4	6.825	6.658	7.1	6.3	0.148	0.384	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	4	0.15	0.22	0.501	0.079	0.038	0.195	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	2##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	2	0.4	0.4	0.67	0.13	0.146	0.382	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	4	100.	87.5	100.	50.	625.	25.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	4	2.	1.925	2.	1.699	0.023	0.151	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		84.09									

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	24	20.5	19.875	24.	14.	8.925	2.987	14.65	18.	22.	23.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	22	99.5	107.864	303.	67.	2215.647	47.071	71.6	89.	113.25	131.1
00300 OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	24	8.15	8.188	9.7	6.4	0.68	0.825	6.95	7.725	8.7	9.35
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	22	1.	1.886	12.	0.5	5.76	2.4	1.	1.	2.	3.7
00340 COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	22	15.	15.5	23.	6.	23.119	4.808	7.6	12.75	19.	22.4
00400 PH (STANDARD UNITS)		03/07/78-06/17/87	24	6.8	6.729	7.7	6.1	0.161	0.402	6.2	6.4	7.	7.15
00400 CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	24	6.789	6.572	7.7	6.1	0.187	0.433	6.2	6.4	7.	7.15
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	24	0.163	0.268	0.794	0.02	0.048	0.218	0.071	0.1	0.398	0.631
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	22	11.5	25.409	200.	2.5	1792.11	42.333	2.5	5.	30.25	60.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	22	4.5	6.773	30.	2.	42.232	6.499	2.15	2.5	8.25	16.1
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	22	4.5	10.545	52.	1.	164.974	12.844	2.15	2.5	14.	31.5
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	22##	0.05	0.059	0.2	0.05	0.001	0.033	0.05	0.05	0.05	0.085
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	22	0.01	0.033	0.5	0.005	0.011	0.105	0.005	0.005	0.01	0.041
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	20	0.4	0.492	1.3	0.13	0.105	0.323	0.135	0.283	0.69	1.115
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	22	0.45	0.441	0.8	0.2	0.032	0.179	0.2	0.3	0.525	0.7
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	20##	0.05	0.087	0.3	0.05	0.004	0.063	0.05	0.05	0.1	0.19
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	20	0.03	0.034	0.1	0.005	0.001	0.022	0.011	0.02	0.04	0.069
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	22	7.5	7.409	12.	1.	8.444	2.906	3.3	5.75	10.	11.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	24	300.	760.417	8000.	50.	2596734.601	1611.439	50.	50.	800.	1500.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	24	2.452	2.388	3.903	1.699	0.437	0.661	1.699	1.699	2.903	3.175
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	244.435								

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/07/78-06/17/87	42	6.75	6.798	17.	0.1	18.714	4.326	1.	2.65	11.	12.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/30/79-06/17/87	37	94.	99.892	190.	74.	577.321	24.028	78.	82.5	110.5	139.8
00300 OXYGEN, DISSOLVED	MG/L	03/07/78-06/17/87	43	11.8	11.293	14.6	7.6	3.179	1.783	8.54	9.8	12.4	13.4
00310 BOD, 5 DAY, 20 DEG C	MG/L	07/30/79-06/17/87	37	2.	1.878	5.	0.5	0.908	0.953	1.	1.	2.	3.2
00340 COD, .25N K2CR2O7	MG/L	07/30/79-06/17/87	37	12.	13.311	45.	0.5	69.074	8.311	4.8	7.	17.5	22.2
00400 PH (STANDARD UNITS)		03/07/78-06/17/87	43	6.4	6.366	7.2	5.3	0.148	0.384	5.8	6.2	6.7	6.8
00400 CONVERTED PH (STANDARD UNITS)		03/07/78-06/17/87	43	6.4	6.172	7.2	5.3	0.186	0.432	5.8	6.2	6.7	6.8
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/07/78-06/17/87	43	0.398	0.673	5.012	0.063	0.779	0.882	0.158	0.2	0.631	1.585
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/79-06/17/87	37	6.	10.405	74.	2.5	222.887	14.929	2.5	2.5	10.	25.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/30/79-06/17/87	37	2.5	3.581	14.	0.	6.854	2.618	1.	2.25	5.	7.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/30/79-06/17/87	37	3.	7.905	68.	0.	170.581	13.061	2.	2.5	7.	23.4
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/07/78-06/17/87	40##	0.05	0.07	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/07/78-06/17/87	41##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/30/79-06/17/87	37	0.41	0.461	1.3	0.13	0.056	0.237	0.2	0.31	0.54	0.74
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/07/78-06/17/87	39	0.3	0.354	1.2	0.1	0.044	0.209	0.1	0.2	0.4	0.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/30/79-06/17/87	35##	0.05	0.07	0.2	0.05	0.001	0.033	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/30/79-06/17/87	37	0.02	0.028	0.15	0.005	0.001	0.028	0.005	0.01	0.035	0.064
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/30/79-06/17/87	36	6.	6.361	17.	1.	12.523	3.539	2.	4.	8.75	11.6
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	38##	75.	309.211	4900.	50.	641466.927	800.916	50.	50.	300.	900.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		03/07/78-06/17/87	38##	1.849	2.074	3.69	1.699	0.243	0.493	1.699	1.699	2.477	2.954
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	118.642								

** - 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 #1: 7/01 to 10/14 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	61	25.	23.243	31.2	1.9	37.474	6.122	14.52	20.25	27.5	28.98
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		08/16/79-02/18/88	20	81.5	93.55	380.	53.	4690.892	68.49	58.2	73.25	83.	101.5
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	62	8.45	8.484	10.8	6.3	1.131	1.064	7.06	7.675	9.125	9.97
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-02/18/88	38	1.	1.224	3.	0.5	0.437	0.661	0.5	1.	1.25	2.06
00340 COD, .25N K2CR2O7	MG/L	07/25/79-02/18/88	21	8.	8.571	19.	1.	23.157	4.812	3.	5.	11.	17.4
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	63	7.4	7.467	8.7	6.3	0.25	0.5	7.	7.1	7.7	8.24
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	63	7.4	7.235	8.7	6.3	0.304	0.551	7.	7.1	7.7	8.24
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	63	0.04	0.058	0.501	0.002	0.005	0.072	0.006	0.02	0.079	0.1
00403 PH, LAB, STANDARD UNITS	SU	10/08/68-02/18/88	7	7.1	7.057	7.5	6.3	0.156	0.395	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/08/68-02/18/88	7	7.1	6.871	7.5	6.3	0.196	0.443	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/08/68-02/18/88	7	0.079	0.134	0.501	0.032	0.027	0.165	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-02/18/88	7	24.	22.714	27.	9.	37.905	6.157	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/08/68-02/18/88	35	5.	14.386	103.	0.5	623.487	24.97	2.5	2.5	13.	48.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-02/18/88	35	2.5	20.957	600.	0.	10161.344	100.803	2.	2.5	5.	11.4
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		10/08/68-02/18/88	35	2.5	28.643	700.	0.	13920.479	117.985	1.6	2.5	10.	36.4
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	53##	0.05	0.077	0.6	0.01	0.006	0.081	0.05	0.05	0.095	0.116
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	54##	0.005	0.013	0.1	0.005	0.	0.017	0.005	0.005	0.01	0.03
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	45	0.33	0.328	0.7	0.005	0.057	0.238	0.025	0.075	0.535	0.676
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	53	0.3	0.356	1.299	0.05	0.075	0.273	0.1	0.2	0.4	0.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-02/18/88	19##	0.05	0.066	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-02/18/88	19	0.02	0.023	0.09	0.005	0.001	0.024	0.005	0.01	0.02	0.08
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/29/75-08/27/87	36	5.	5.194	9.	1.	3.761	1.939	2.	4.	6.75	7.3
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-06/13/79	31	7.	11.613	136.	2.	552.045	23.496	3.2	5.	10.	12.
01034 CHROMIUM, TOTAL (UG/L AS CR)		03/18/70-07/07/86	9##	5.	4.222	10.	0.5	8.632	2.938	0.5	1.25	5.	10.
01051 LEAD, TOTAL (UG/L AS PB)		11/25/70-07/07/86	9##	1.5	3.611	13.	0.5	16.424	4.053	0.5	0.75	5.	13.
01092 ZINC, TOTAL (UG/L AS ZN)		03/18/70-07/07/86	9##	5.	8.889	40.	5.	136.111	11.667	5.	5.	5.	40.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	48	100.	710.417	8000.	50.	2945846.631	1716.347	50.	50.	200.	2180.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	48	2.	2.176	3.903	1.699	0.427	0.654	1.699	1.699	2.301	3.336
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	150.111								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-06/13/79	34##	0.05	0.063	0.2	0.05	0.001	0.031	0.05	0.05	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-06/13/79	34	0.035	0.04	0.14	0.005	0.001	0.033	0.005	0.01	0.05	0.085
71900 MERCURY, TOTAL (UG/L AS HG)		09/02/70-07/07/86	10##	0.25	0.225	0.4	0.15	0.006	0.079	0.15	0.15	0.25	0.385

** - 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 #2: 10/15 to 3/31 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	43	7.	7.837	18.	0.5	17.791	4.218	3.54	4.5	10.	14.24
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		08/16/79-02/18/88	21	86.	82.	109.	62.	172.2	13.122	64.4	68.	90.5	99.6
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	43	12.	11.453	14.8	5.4	2.872	1.695	9.1	10.4	12.6	13.06
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-02/18/88	28	1.95	1.732	4.	0.5	0.757	0.87	1.	1.	2.15	3.06
00340 COD, .25N K2CR2O7	MG/L	07/25/79-02/18/88	21	9.	7.881	15.	0.5	15.648	3.956	3.	4.	10.	14.6
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	43	7.	7.141	8.5	6.	0.227	0.477	6.7	6.8	7.5	7.82
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	43	7.	6.927	8.5	6.	0.274	0.524	6.7	6.8	7.5	7.82
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	43	0.1	0.118	1.	0.003	0.023	0.152	0.016	0.032	0.158	0.2
00403 PH, LAB, STANDARD UNITS	SU	10/08/68-02/18/88	9	6.7	6.744	7.	6.4	0.04	0.201	6.4	6.6	6.9	7.
00403 CONVERTED PH, LAB, STANDARD UNITS		10/08/68-02/18/88	9	6.7	6.701	7.	6.4	0.042	0.206	6.4	6.6	6.9	7.
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/08/68-02/18/88	9	0.2	0.199	0.398	0.1	0.01	0.1	0.1	0.126	0.258	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-02/18/88	9	16.	16.778	28.	12.	23.944	4.893	12.	13.	18.5	28.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/08/68-02/18/88	25	7.	20.32	174.	2.5	2055.623	45.339	2.5	2.5	10.	84.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-02/18/88	25	2.5	5.88	50.	1.	115.839	10.763	1.6	2.25	3.5	16.2
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		10/08/68-02/18/88	25	4.	15.54	144.	2.	1214.603	34.851	2.5	2.5	7.	60.6
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	41##	0.05	0.057	0.2	0.005	0.002	0.04	0.012	0.05	0.05	0.118
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	41##	0.005	0.01	0.06	0.005	0.	0.01	0.005	0.005	0.01	0.018
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	41	0.67	0.682	2.179	0.025	0.15	0.387	0.168	0.475	0.84	1.151
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	41	0.2	0.266	1.5	0.05	0.057	0.239	0.05	0.1	0.3	0.5

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

Station Inventory for Station: FRSP0026

NPS Station ID: FRSP0026 LAT/LON: 38.305003/ -77.457226 Agency: 21VASWCB Date Created: / /
Location: RT. 3 BRIDGE FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP111.29 /VA3-01-X0049/VA3-3X0049
RMI-Indexes: 0215002 Within Park Boundary: No
RMI-Miles: 0111.29
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 5.580 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	146	19.2	17.681	31.2	0.5	73.778	8.589	4.91	10.	25.375	27.8
00077 TRANSPARENCY, SECCHI DISC (INCHES)		08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)		12/09/82-09/29/87	5	2.	13.45	60.	1.5	677.2	26.023	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		08/16/79-02/18/88	55	77.	82.873	380.	53.	1821.335	42.677	59.6	68.	86.	97.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/15/78-08/15/78	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	149	9.2	9.564	14.8	5.4	3.077	1.754	7.6	8.4	10.6	12.1
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-02/18/88	94	1.	1.353	4.	0.5	0.502	0.709	0.9	1.	2.	2.25
00340 COD, .25N K2CR207	MG/L	07/25/79-02/18/88	57	8.	7.596	19.	0.5	17.165	4.143	3.	4.5	9.5	14.2
00400 PH (STANDARD UNITS)		07/01/68-02/18/88	151	7.3	7.366	9.6	6.	0.342	0.585	6.72	7.	7.6	8.
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	151	7.3	7.075	9.6	6.	0.427	0.654	6.72	7.	7.6	8.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	151	0.05	0.084	1.	0.	0.013	0.115	0.01	0.025	0.1	0.191
00403 PH, LAB, STANDARD UNITS	SU	10/08/68-02/18/88	22	6.9	6.868	7.5	6.3	0.117	0.341	6.33	6.65	7.125	7.37
00403 CONVERTED PH, LAB, STANDARD UNITS		10/08/68-02/18/88	22	6.9	6.745	7.5	6.3	0.133	0.364	6.33	6.65	7.125	7.37
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/08/68-02/18/88	22	0.126	0.18	0.501	0.032	0.02	0.141	0.043	0.075	0.229	0.47
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-02/18/88	21	18.	19.	28.	9.	30.6	5.532	12.	15.	24.	26.8
00480 SALINITY - PARTS PER THOUSAND		08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		10/08/68-10/23/79	29	84.	126.69	755.	46.	17137.365	130.91	62.	70.5	145.5	182.
00505 RESIDUE, TOTAL VOLATILE (MG/L)		10/08/68-10/23/79	29	33.	45.069	200.	15.	1433.995	37.868	21.	24.5	49.	105.
00510 RESIDUE, TOTAL FIXED (MG/L)		10/08/68-10/23/79	29	53.	87.069	650.	24.	13944.567	118.087	28.	39.	75.	149.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		06/29/77-06/29/77	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/08/68-02/18/88	87	7.	18.293	174.	0.	1042.852	32.293	2.5	2.5	15.	44.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-02/18/88	87	2.5	11.563	600.	0.	4114.795	64.147	2.	2.5	5.	10.2
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		10/08/68-02/18/88	87	5.	21.276	700.	0.	6044.464	77.746	2.	2.5	12.	35.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	134##	0.05	0.074	0.6	0.005	0.005	0.072	0.04	0.05	0.093	0.12
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	134##	0.005	0.011	0.1	0.005	0.	0.013	0.005	0.005	0.01	0.023
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	120	0.49	0.577	6.799	0.005	0.649	0.805	0.061	0.223	0.698	0.89
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	133	0.3	0.319	1.8	0.05	0.071	0.266	0.1	0.2	0.4	0.5
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/12/76-05/08/79	13	0.26	0.456	1.7	0.025	0.218	0.467	0.047	0.11	0.65	1.38
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-02/18/88	54##	0.05	0.082	0.5	0.05	0.005	0.074	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-02/18/88	55	0.02	0.029	0.29	0.005	0.002	0.045	0.005	0.01	0.03	0.062
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		05/29/75-08/27/87	77	5.	5.175	10.	0.5	3.814	1.953	2.	4.	7.	7.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)		08/27/87-02/18/88	7	28.	26.286	31.	20.	19.571	4.424	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-06/13/79	64	6.	9.078	136.	2.	273.438	16.536	3.5	5.	8.75	12.

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

Station Inventory for Station: FRSP0027

NPS Station ID: FRSP0027 LAT/LON: 38.291948/ -77.457503 Agency: 21VASWCB Date Created: / /
Location: RT. 17/2 BRIDGE FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-HAL000.57 /VA3-04-X0006/VA3-3X0006
RMI-Indexes: 0215002 002970 Within Park Boundary: No
RMI-Miles: 0107.97 0000.57
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 4.670 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
RIVER: HAZEL RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	192	13.45	13.396	26.2	0.5	57.299	7.57	3.	6.8	20.375	24.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		10/12/88-03/17/92	26	4.55	11.504	82.	1.5	340.6	18.455	2.1	3.05	8.975	39.5
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		09/15/94-11/23/98	19	7.8	10.1	35.8	2.2	58.453	7.645	4.3	5.4	13.	20.
00080 COLOR (PLATINUM-COBALT UNITS)		02/13/91-02/17/93	10	31.	42.1	96.	14.	785.656	28.03	14.6	23.	65.25	94.8
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	130	161.	287.962	8520.	10.	719306.471	848.119	102.	119.	216.5	296.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		07/20/89-11/23/98	43	156.	165.767	710.	76.	8373.278	91.506	105.8	132.	186.	201.2
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	01/30/92-11/23/98	29	10.4	10.255	13.5	6.9	4.001	2.	7.3	8.65	11.7	13.2
00300 OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	164	9.75	9.838	14.6	5.	4.427	2.104	7.25	8.2	11.5	12.85
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	142	1.65	1.92	10.	0.5	2.538	1.593	1.	1.	2.	3.
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	142	10.	11.645	60.	0.02	63.552	7.972	4.3	7.	14.	21.
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	190	7.	6.996	10.39	5.3	0.359	0.599	6.4	6.7	7.3	7.5
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	190	7.	6.636	10.39	5.3	0.49	0.7	6.4	6.7	7.3	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	190	0.1	0.231	5.012	0.	0.245	0.495	0.032	0.05	0.2	0.398
00403 PH, LAB, STANDARD UNITS	SU	07/26/83-11/23/98	79	6.7	6.754	8.8	6.3	0.116	0.341	6.4	6.6	6.9	7.2
00403 CONVERTED PH, LAB, STANDARD UNITS		07/26/83-11/23/98	79	6.7	6.67	8.8	6.3	0.124	0.351	6.4	6.6	6.9	7.2
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/26/83-11/23/98	79	0.2	0.214	0.501	0.002	0.013	0.113	0.063	0.126	0.251	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		07/26/83-11/23/98	79	21.	21.304	45.	6.	79.496	8.916	11.	14.	28.	35.
00500 RESIDUE, TOTAL (MG/L)		07/03/79-11/23/98	58	110.	131.172	731.	45.	9082.496	95.302	82.	96.	132.75	192.8
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/03/79-11/23/98	58	29.5	34.741	200.	11.	689.213	26.253	18.	25.	35.	44.5
00510 RESIDUE, TOTAL FIXED (MG/L)		07/03/79-11/23/98	58	82.	109.897	700.	27.	13433.498	115.903	54.9	65.75	103.25	173.5
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	144	5.	23.181	660.	0.5	5728.048	75.684	2.	2.5	8.75	32.5
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	144	2.5	4.826	55.	0.5	65.515	8.094	1.	1.5	4.	10.5
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	144	2.5	19.222	605.	0.	4618.454	67.959	1.	2.5	6.	22.5
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	188	0.1	0.461	15.5	0.02	2.061	1.436	0.05	0.05	0.3	0.9
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	190	0.01	0.077	5.6	0.005	0.186	0.431	0.005	0.005	0.04	0.1
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	160	0.73	1.304	9.5	0.02	2.227	1.492	0.43	0.55	1.4	2.897
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	187	0.4	0.879	22.6	0.05	4.011	2.003	0.2	0.3	0.8	1.42
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/27/76-06/04/79	29	0.9	1.969	9.9	0.09	5.957	2.441	0.33	0.6	2.75	5.
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	137	0.1	0.348	11.8	0.	1.457	1.207	0.05	0.05	0.2	0.56
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	110	0.05	0.335	11.	0.005	1.456	1.207	0.01	0.03	0.143	0.6
00674 PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)		02/28/91-02/28/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	129	4.	5.072	16.7	0.5	9.449	3.074	2.4	3.15	6.	9.
00900 HARDNESS, TOTAL (MG/L AS CACO3)		07/22/87-11/23/98	67	42.	52.552	520.	16.	3718.372	60.978	27.	32.	54.	76.4

** - 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: FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/13/84-06/13/84	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39526 PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/13/84-06/13/84	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/06/82-07/12/84	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39631 ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/30/81-06/23/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	05/11/76-04/22/85	18	0.	0.012	0.12	0.	0.001	0.036	0.	0.	0.	0.102
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	79##	0.05	0.067	0.2	0.025	0.002	0.042	0.05	0.05	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	79	0.04	0.041	0.19	0.005	0.001	0.036	0.005	0.01	0.05	0.09
71900 MERCURY, TOTAL (UG/L AS HG)	09/02/70-07/07/86	23##	0.25	0.302	1.3	0.15	0.056	0.237	0.15	0.25	0.25	0.5
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/23/82	3##	0.1	0.183	0.4	0.05	0.036	0.189	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0026

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	149	0	0.00	62	0	0.00	43	0	0.00	44	0	0.00			
00400 PH	Fresh Chronic	9.	151	3	0.02	63	0	0.00	43	0	0.00	45	3	0.07			
	Other-Lo Lim.	6.5	151	5	0.03	63	1	0.02	43	1	0.02	45	3	0.07			
00403 PH, LAB	Fresh Chronic	9.	22	0	0.00	7	0	0.00	9	0	0.00	6	0	0.00			
	Other-Lo Lim.	6.5	22	5	0.23	7	1	0.14	9	2	0.22	6	2	0.33			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	134	0	0.00	54	0	0.00	41	0	0.00	39	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	120	0	0.00	45	0	0.00	41	0	0.00	34	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	8	0	0.00				5	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	64	0	0.00	31	0	0.00	14	0	0.00	19	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	7	0	0.00	2	0	0.00	3	0	0.00			
	Drinking Water	50.	12	0	0.00	7	0	0.00	2	0	0.00	3	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
	Drinking Water	4.	1	0	0.00	1	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	5&	0	0.00	5	0	0.00									
	Drinking Water	5.	5&	0	0.00	5	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	24	0	0.00	9	0	0.00	7	0	0.00	8	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	23	2	0.09	8	0	0.00	7	1	0.14	8	1	0.13			
	Drinking Water	1300.	23	0	0.00	8	0	0.00	7	0	0.00	8	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	20	0	0.00	9	0	0.00	6	0	0.00	5	0	0.00			
	Drinking Water	15.	20	2	0.10	9	0	0.00	6	1	0.17	5	1	0.20			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
	Drinking Water	100.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	5	0	0.00	1	0	0.00						
	Drinking Water	100.	6	0	0.00	5	0	0.00	1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	25	0	0.00	9	0	0.00	7	0	0.00	9	0	0.00			
	Drinking Water	5000.	25	0	0.00	9	0	0.00	7	0	0.00	9	0	0.00			

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

Parameter Inventory for Station: FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/85-08/27/97	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	7	0.	0.018	0.05	0.	0.001	0.024	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/85-08/27/97	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	5	0.	0.05	0.25	0.	0.013	0.112	**	**	**	**
39526 PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	10/29/85-08/27/97	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/23/82-07/30/84	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39631 ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/09/81-05/16/84	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	2	42.5	42.5	58.	27.	480.5	21.92	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-07/22/87	12	0.	0.017	0.1	0.	0.002	0.039	0.	0.	0.	0.1
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	50	0.1	0.393	4.8	0.05	0.728	0.853	0.05	0.05	0.3	1.23
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	78	0.04	0.181	2.6	0.01	0.17	0.413	0.01	0.02	0.123	0.405
71900 MERCURY, TOTAL (UG/L AS HG)	05/06/75-09/15/94	19##	0.15	0.229	1.25	0.15	0.063	0.251	0.15	0.15	0.25	0.25
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/09/81-08/27/97	6##	0.055	0.068	0.1	0.05	0.001	0.025	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	07/17/85-08/11/93	3##	0.1	0.068	0.1	0.005	0.003	0.055	**	**	**	**
82032 CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	1	6780.	6780.	6780.	6780.	0.	0.	**	**	**	**
82078 TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	9	8.6	17.733	78.	3.1	566.483	23.801	3.1	5.7	21.25	78.

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

EPA Water Quality Criteria Analysis for Station: FRSP0027

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	26	2	0.08	8	0	0.00	13	1	0.08	5	1	0.20			
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	0	0.00	6	0	0.00	9	0	0.00	4	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	29	0	0.00	7	0	0.00	15	0	0.00	7	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	164	0	0.00	49	0	0.00	75	0	0.00	40	0	0.00			
00400 PH	Fresh Chronic	9.	190	2	0.01	57	1	0.02	87	1	0.01	46	0	0.00			
	Other-Lo Lim.	6.5	190	35	0.18	57	9	0.16	87	18	0.21	46	8	0.17			
00403 PH, LAB	Fresh Chronic	9.	79	0	0.00	27	0	0.00	33	0	0.00	19	0	0.00			
	Other-Lo Lim.	6.5	79	18	0.23	27	3	0.11	33	12	0.36	19	3	0.16			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	190	2	0.01	55	2	0.04	87	0	0.00	48	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	160	0	0.00	49	0	0.00	71	0	0.00	40	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	29	0	0.00	6	0	0.00	15	0	0.00	8	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	52	0	0.00	15	0	0.00	26	0	0.00	11	0	0.00			
	Drinking Water	250.	52	0	0.00	15	0	0.00	26	0	0.00	11	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	51	0	0.00	14	0	0.00	26	0	0.00	11	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	27	0	0.00	8	0	0.00	14	0	0.00	5	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	18	0	0.00	10	0	0.00	6	0	0.00	2	0	0.00			
	Drinking Water	50.	18	0	0.00	10	0	0.00	6	0	0.00	2	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	4	0	0.00	3	0	0.00	1	0	0.00						
	Drinking Water	4.	2&	0	0.00	2	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	10&	2	0.20	9	2	0.22	1	0	0.00						
	Drinking Water	5.	10&	2	0.20	9	2	0.22	1	0	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 1968 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	25.85	24.3	28.3	17.2	26.273	5.126	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	4	7.5	7.425	8.2	6.5	0.656	0.81	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	4	7.5	7.425	7.7	7.	0.089	0.299	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	4	7.5	7.339	7.7	7.	0.099	0.315	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	4	0.032	0.046	0.1	0.02	0.001	0.037	**	**	**	**

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

Annual Analysis for 1969 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	3	21.1	15.9	23.3	3.3	120.28	10.967	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	3	8.	9.467	12.6	7.8	7.373	2.715	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	3	6.8	6.867	7.1	6.7	0.043	0.208	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	3	6.8	6.836	7.1	6.7	0.045	0.211	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	3	0.158	0.146	0.2	0.079	0.004	0.061	**	**	**	**

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

Annual Analysis for 1970 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	11	13.9	14.091	25.6	3.9	86.677	9.31	3.9	3.9	24.4	25.48
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	11	9.	8.936	12.	5.4	3.561	1.887	5.84	7.7	9.6	12.
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	11	6.9	6.882	7.2	6.	0.114	0.337	6.16	6.8	7.2	7.2
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	11	6.9	6.709	7.2	6.	0.146	0.383	6.16	6.8	7.2	7.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	11	0.126	0.195	1.	0.063	0.073	0.27	0.063	0.063	0.158	0.832
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.11	0.094	0.18	0.01	0.003	0.054	0.016	0.04	0.12	0.178
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.01	0.011	0.04	0.005	0.	0.011	0.005	0.005	0.01	0.036
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.35	0.421	0.84	0.01	0.099	0.314	0.024	0.1	0.69	0.83
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	11	0.3	0.364	0.8	0.05	0.061	0.247	0.07	0.2	0.5	0.8
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	2	200.	200.	200.	200.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	2	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		200.									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	11##	0.05	0.052	0.1	0.025	0.001	0.026	0.025	0.025	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	11	0.02	0.034	0.15	0.01	0.002	0.042	0.01	0.01	0.03	0.134

** - 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

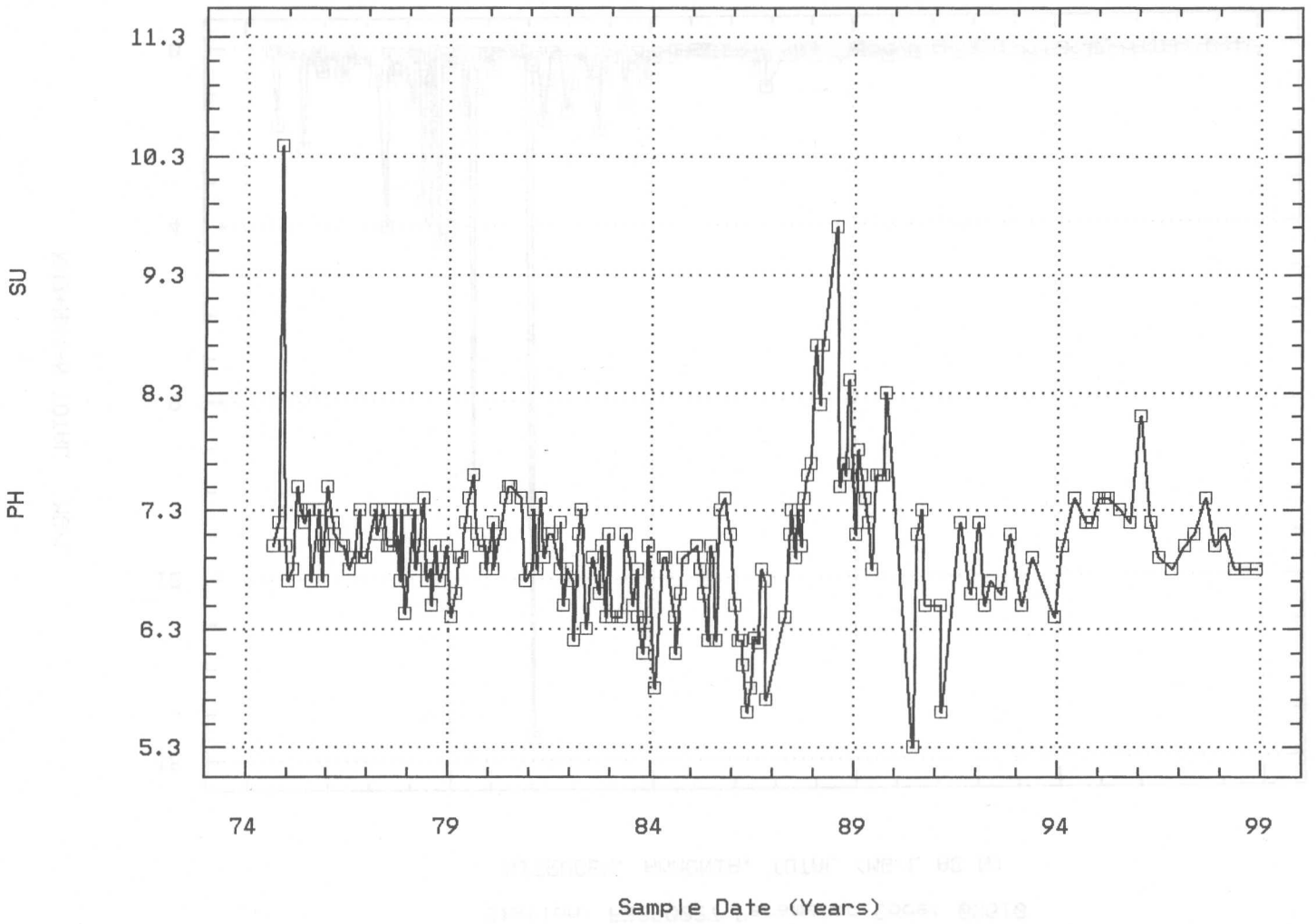
Annual Analysis for 1971 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	10	15.85	15.62	27.8	3.9	58.524	7.65	4.29	7.8	22.35	27.3
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	10	9.8	10.12	12.8	8.	2.811	1.677	8.04	8.55	12.05	12.74
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	10	7.15	7.22	7.7	6.9	0.077	0.278	6.91	7.	7.5	7.68
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	10	7.125	7.149	7.7	6.9	0.083	0.288	6.91	7.	7.5	7.68
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	10	0.075	0.071	0.126	0.02	0.001	0.038	0.021	0.032	0.1	0.123
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.05	0.052	0.12	0.01	0.002	0.04	0.01	0.02	0.09	0.118
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.01	0.023	0.1	0.01	0.001	0.027	0.01	0.01	0.03	0.086
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.35	0.576	2.179	0.05	0.388	0.623	0.058	0.09	0.89	1.943
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	11	0.3	0.332	0.8	0.05	0.047	0.217	0.08	0.2	0.5	0.76
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	11	100.	1581.818	8000.	50.	7824636.364	2797.255	50.	50.	2000.	7620.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	11	2.	2.448	3.903	1.699	0.746	0.864	1.699	1.699	3.301	3.88

** - 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

Station: FRSP0027 Parameter Code: 00400

PH (STANDARD UNITS)



RT. 17/2 BRIDGE

Annual Analysis for 1974 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	8	0.032	0.113	0.631	0.003	0.045	0.212	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	8##	0.05	0.063	0.1	0.05	0.001	0.023	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	8##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	8	0.51	1.87	6.799	0.03	7.145	2.673	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	8	0.3	0.25	0.4	0.1	0.011	0.107	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	100.	235.714	900.	50.	88928.571	298.209	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	2.	2.179	2.954	1.699	0.16	0.399	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		151.121									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	8##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	8##	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 box-and-whisker plot

Annual Analysis for 1975 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	7	27.2	25.714	30.	17.2	19.368	4.401	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	7	8.6	8.443	9.6	7.4	0.666	0.816	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.1	7.214	7.5	7.	0.058	0.241	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.1	7.162	7.5	7.	0.061	0.248	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	7	0.079	0.069	0.1	0.032	0.001	0.033	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.005	0.007	0.02	0.005	0.	0.006	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7	0.5	0.516	0.78	0.25	0.045	0.212	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	7	0.1	0.293	1.299	0.05	0.213	0.461	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	100.	107.143	200.	50.	4523.81	67.259	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	2.	1.957	2.301	1.699	0.073	0.271	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		90.572									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	7##	0.05	0.086	0.2	0.05	0.003	0.056	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	7##	0.05	0.031	0.05	0.005	0.001	0.023	**	**	**	**

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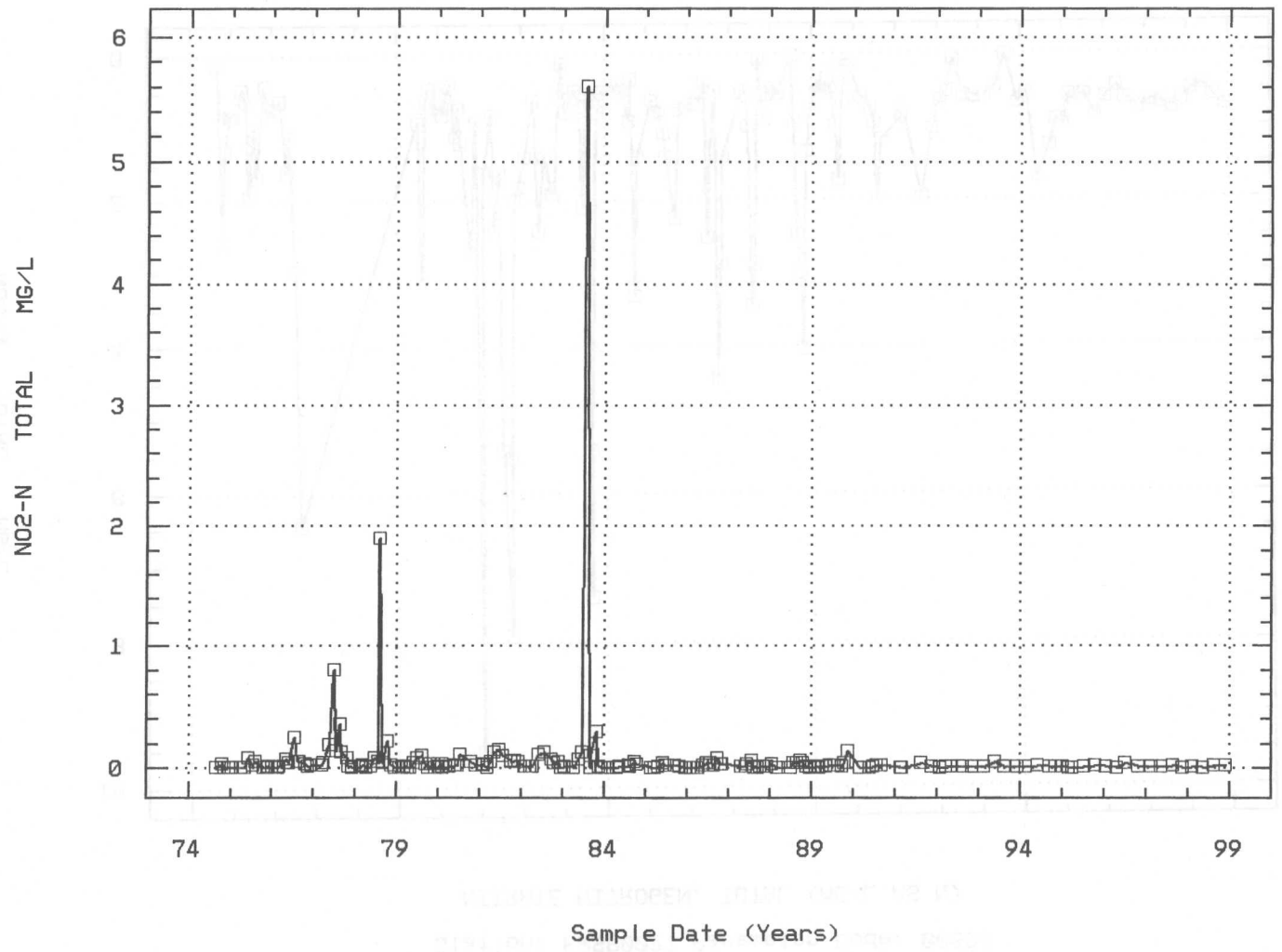
Annual Analysis for 1976 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	27.25	24.05	27.8	13.9	46.057	6.787	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	4	8.95	8.925	10.8	7.	3.009	1.735	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	5	7.5	7.62	8.5	7.2	0.267	0.517	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	5	7.5	7.461	8.5	7.2	0.299	0.547	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	5	0.032	0.035	0.063	0.003	0.001	0.023	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.005	0.01	0.03	0.005	0.	0.01	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	5	0.3	0.394	0.74	0.09	0.067	0.259	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	6	0.3	0.4	1.	0.2	0.092	0.303	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	6	100.	171.667	430.	50.	24616.667	156.897	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	6	2.	2.085	2.633	1.699	0.153	0.392	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		121.55									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	6##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	6	0.015	0.022	0.07	0.005	0.001	0.025	**	**	**	**

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

Station: FRSP0027 Parameter Code: 00615

NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Annual Analysis for 1980 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	7	14.5	15.371	28.	4.	88.152	9.389	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	7	10.1	10.371	12.8	8.2	2.076	1.441	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.5	8.014	9.6	7.	1.111	1.054	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.5	7.466	9.6	7.	1.463	1.209	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	7	0.032	0.034	0.1	0.	0.001	0.036	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.005	0.009	0.02	0.005	0.	0.006	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7	0.41	0.456	0.7	0.025	0.055	0.235	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	7	0.2	0.171	0.2	0.1	0.002	0.049	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	100.	664.286	4200.	50.	2431428.571	1559.304	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	2.	2.103	3.623	1.699	0.472	0.687	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		126.73									

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

Annual Analysis for 1981 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	13	19.5	17.692	31.2	6.	61.967	7.872	6.4	11.1	25.	29.16
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	13	9.5	10.092	13.	7.8	2.049	1.431	8.28	9.1	11.05	12.64
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	13	7.4	7.492	8.7	6.9	0.406	0.637	6.9	6.9	7.8	8.7
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	13	7.4	7.218	8.7	6.9	0.487	0.698	6.9	6.9	7.8	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	13	0.04	0.061	0.126	0.002	0.003	0.052	0.002	0.018	0.126	0.126
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	10##	0.05	0.065	0.2	0.05	0.002	0.047	0.05	0.05	0.05	0.185
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	10##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	10	0.255	0.328	1.2	0.025	0.13	0.36	0.025	0.025	0.473	1.131
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	10	0.3	0.255	0.5	0.05	0.016	0.126	0.055	0.175	0.3	0.48
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	9	100.	955.556	8000.	50.	6979027.778	2641.785	50.	50.	100.	8000.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	9	2.	2.078	3.903	1.699	0.491	0.701	1.699	1.699	2.	3.903
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		119.581									

** - 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

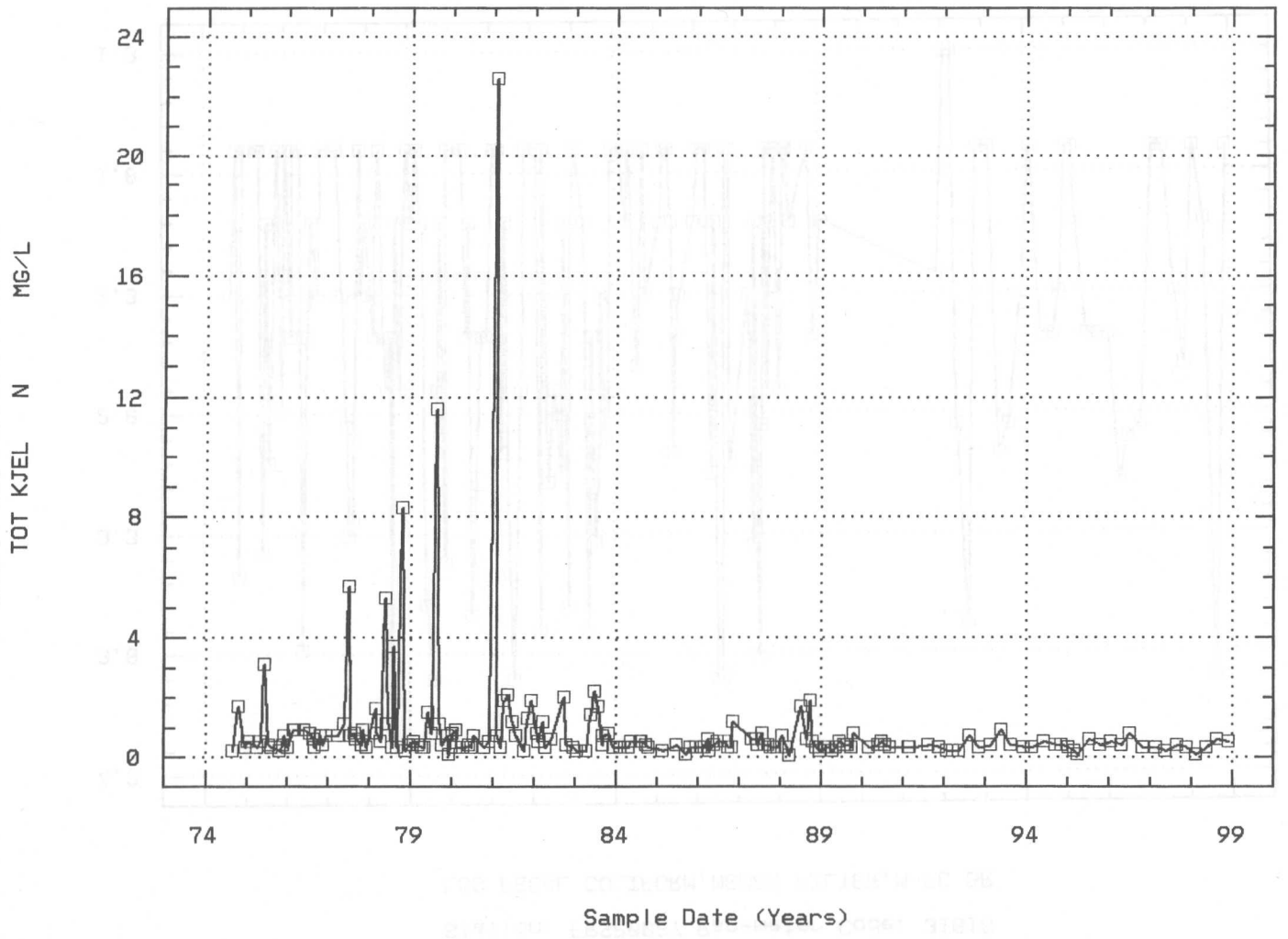
Annual Analysis for 1982 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	14.55	15.475	25.3	7.5	77.549	8.806	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	8	9.15	9.762	12.6	9.	1.666	1.291	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.95	8.075	8.7	7.7	0.162	0.403	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.947	7.953	8.7	7.7	0.179	0.423	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	8	0.011	0.011	0.02	0.002	0.	0.007	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	6	0.225	0.323	0.8	0.025	0.079	0.281	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	6	0.2	0.175	0.25	0.1	0.004	0.061	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4##	75.	425.	1500.	50.	514166.667	717.054	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4##	1.849	2.144	3.176	1.699	0.494	0.703	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		139.158									

** - Less than 9 observations ## - Computed 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: FRSP0027 Parameter Code: 00625

NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 17/2 BRIDGE

Annual Analysis for 1986 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	24.	22.05	29.	11.2	60.543	7.781	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	4	8.2	8.85	11.6	7.4	3.743	1.935	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	4	6.7	6.775	7.1	6.6	0.049	0.222	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	4	6.7	6.739	7.1	6.6	0.051	0.226	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	4	0.2	0.182	0.251	0.079	0.005	0.073	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	4##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	4##	0.005	0.009	0.02	0.005	0.	0.008	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	4	0.16	0.231	0.58	0.025	0.06	0.244	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	4	0.25	0.275	0.4	0.2	0.009	0.096	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4##	50.	62.5	100.	50.	625.	25.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4##	1.699	1.774	2.	1.699	0.023	0.151	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		59.46									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	8	16.5	17.025	31.2	5.8	76.385	8.74	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	8	9.85	9.863	12.	6.7	3.343	1.828	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.7	7.775	8.4	7.1	0.174	0.417	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.689	7.608	8.4	7.1	0.206	0.453	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	8	0.02	0.025	0.079	0.004	0.001	0.024	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.05	0.079	0.2	0.05	0.003	0.057	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7	0.01	0.015	0.06	0.005	0.	0.02	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7	0.54	0.371	0.63	0.06	0.074	0.271	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	7	0.4	0.5	1.5	0.2	0.2	0.447	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	100.	1292.857	8000.	50.	8786190.476	2964.151	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	2.	2.297	3.903	1.699	0.662	0.814	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		198.165									

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

Annual Analysis for 1988 - Station FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	2	2.6	2.6	4.7	0.5	8.82	2.97	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	2	13.65	13.65	14.7	12.6	2.205	1.485	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	2	8.1	8.1	8.5	7.7	0.32	0.566	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	2	7.937	7.937	8.5	7.7	0.373	0.611	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	2	0.012	0.012	0.02	0.003	0.	0.012	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	2##	0.055	0.055	0.09	0.02	0.002	0.049	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	2	0.025	0.025	0.04	0.01	0.	0.021	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	2	0.905	0.905	1.	0.81	0.018	0.134	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4	150.	487.5	1600.	50.	553958.333	744.284	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4	2.151	2.301	3.204	1.699	0.423	0.65	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		200.									

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

Annual Analysis for 1974 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	10.3	13.625	25.	8.9	58.003	7.616	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	4	10.35	10.075	11.	8.6	1.063	1.031	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.1	7.898	10.39	7.	2.77	1.664	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.089	7.182	10.39	7.	3.453	1.858	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.082	0.066	0.1	0.	0.002	0.047	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4##	0.175	0.525	1.699	0.05	0.627	0.792	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4##	0.005	0.011	0.03	0.005	0.	0.013	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	1.05	1.2	2.569	0.13	1.063	1.031	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.65	0.8	1.699	0.2	0.486	0.697	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4##	125.	825.	3000.	50.	2107500.	1451.723	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4##	2.	2.294	3.477	1.699	0.703	0.838	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		196.799									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	4##	0.225	0.55	1.7	0.05	0.615	0.784	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4##	0.225	0.525	1.599	0.05	0.54	0.735	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	10	11.1	12.61	22.2	2.2	53.259	7.298	2.48	7.1	19.6	22.15
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	10.6	10.44	13.2	7.9	3.216	1.793	7.91	8.675	11.925	13.08
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.1	7.05	7.5	6.7	0.094	0.306	6.7	6.7	7.3	7.48
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.089	6.958	7.5	6.7	0.103	0.321	6.7	6.7	7.3	7.48
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.082	0.11	0.2	0.032	0.005	0.071	0.033	0.05	0.2	0.2
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.2	0.433	2.199	0.05	0.464	0.681	0.05	0.075	0.45	2.199
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	9##	0.005	0.021	0.08	0.005	0.001	0.027	0.005	0.005	0.035	0.08
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	8	0.795	0.947	1.919	0.39	0.309	0.556	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	9	0.4	0.711	3.099	0.2	0.823	0.907	0.2	0.3	0.6	3.099
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	9##	50.	483.333	2400.	50.	630000.	793.725	50.	50.	800.	2400.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	9##	1.699	2.184	3.38	1.699	0.457	0.676	1.699	1.699	2.889	3.38
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		152.648									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	9	0.1	0.167	0.6	0.05	0.034	0.184	0.05	0.05	0.25	0.6
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	9	0.05	0.116	0.3	0.03	0.011	0.103	0.03	0.04	0.22	0.3

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

Annual Analysis for 1976 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	11	10.	12.891	26.1	0.6	80.683	8.982	1.04	6.1	20.6	25.88
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	11	10.	10.073	13.5	7.3	4.606	2.146	7.32	7.6	12.	13.26
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	11	7.	7.045	7.5	6.8	0.045	0.211	6.82	6.9	7.2	7.46
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	11	7.	7.005	7.5	6.8	0.046	0.216	6.82	6.9	7.2	7.46
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	11	0.1	0.099	0.158	0.032	0.002	0.039	0.035	0.063	0.126	0.152
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.2	0.218	0.6	0.05	0.033	0.182	0.05	0.1	0.3	0.58
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.03	0.049	0.25	0.005	0.005	0.07	0.005	0.01	0.05	0.214
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	8	1.349	2.429	6.449	0.59	5.389	2.322	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	0.7	0.682	1.	0.3	0.064	0.252	0.3	0.4	0.9	0.98
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10##	75.	715.	6000.	50.	3458916.667	1859.816	50.	50.	300.	5430.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10##	1.849	2.153	3.778	1.699	0.436	0.661	1.699	1.699	2.477	3.648
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		142.176									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	11##	0.05	0.109	0.5	0.05	0.017	0.132	0.05	0.05	0.1	0.42
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	11	0.04	0.084	0.47	0.01	0.018	0.133	0.01	0.01	0.09	0.398

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

Parameter			Peric
00935	POTASSIUM, DISSOLVED (MG/L AS K)		04/1C
00940	CHLORIDE,TOTAL IN WATER	MG/L	10/1:
00945	SULFATE, TOTAL (MG/L AS SO4)		11/1
00951	FLUORIDE, TOTAL (MG/L AS F)		11/1
00955	SILICA, DISSOLVED (MG/L AS SI02)		05/1
01002	ARSENIC, TOTAL (UG/L AS AS)		10/2
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)		04/0
01012	BERYLLIUM, TOTAL (UG/L AS BE)		07/2
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)		05/2
01027	CADMIUM, TOTAL (UG/L AS CD)		05/0
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)		04/0
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)		04/0
01034	CHROMIUM, TOTAL (UG/L AS CR)		05/0
01042	COPPER, TOTAL (UG/L AS CU)		05/0
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)		04/0
01045	IRON, TOTAL (UG/L AS FE)		11/1
01051	LEAD, TOTAL (UG/L AS PB)		05/0
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)		04/0
01055	MANGANESE, TOTAL (UG/L AS MN)		11/1
01059	THALLIUM, TOTAL (UG/L AS TL)		07/2
01065	NICKEL, DISSOLVED (UG/L AS NI)		05/0
01067	NICKEL, TOTAL (UG/L AS NI)		10/0
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)		04/0
01077	SILVER, TOTAL (UG/L AS AG)		09/2
01092	ZINC, TOTAL (UG/L AS ZN)		05/0
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)		04/0
01147	SELENIUM, TOTAL (UG/L AS SE)		07/2
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)		05/2
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/0
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/0
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		
32240	TANNIN AND LIGNIN (MG/L)		05/1
34259	DELTA BENZENE HEXACHLORIDE	TOTWUG/L	07/1
34351	ENDOSULFAN SULFATE	TOTWUG/L	07/1
34356	ENDOSULFAN, BETA	TOTWUG/L	07/1
34361	ENDOSULFAN, ALPHA	TOTWUG/L	07/1
34366	ENDRIN ALDEHYDE	TOTWUG/L	07/1
34480	THALLIUM	DRY WGTBOTMG/KG	05/2
34671	PCB - 1016	TOTWUG/L	07/1
38442	DICAMBA (BANVEL)	WATER,DISSUG/L	07/1
38451	DICHLORPROP	WATER,SUSPUG/L	07/1
38745	2,4-DB	WATER, TOTUG/L	07/1
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	09/1
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL	UG/KG	10/2
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)		09/1
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)		09/1
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)		09/1
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)		09/1
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)		09/1
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)		09/1
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)		09/1
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)		09/1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)		09/1
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)		09/1
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)		09/1
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)		04/1
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP		07/1
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP		07/1
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L		07/1
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L		09/1
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG		10/1
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)		10/1
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)		10/1

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0026

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-02/18/88	21##	0.05	0.088	0.5	0.05	0.009	0.097	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-02/18/88	21	0.02	0.035	0.29	0.005	0.004	0.061	0.006	0.01	0.03	0.074
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		05/29/75-08/27/87	16	5.	5.063	8.	2.	3.263	1.806	2.	4.	6.75	7.3
00945	SULFATE, TOTAL (MG/L AS SO4)		05/31/70-06/13/79	14	6.5	6.929	14.	2.	9.302	3.05	3.	5.	8.	13.
01034	CHROMIUM, TOTAL (UG/L AS CR)		03/18/70-07/07/86	7##	5.	7.857	20.	5.	32.143	5.669	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)		11/25/70-07/07/86	6##	5.	7.667	20.	1.	44.667	6.683	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)		03/18/70-07/07/86	7##	5.	10.714	30.	5.	103.571	10.177	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	38	100.	682.895	8000.	50.	2425442.745	1557.383	50.	50.	225.	2210.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	38	2.	2.23	3.903	1.699	0.404	0.635	1.699	1.699	2.345	3.344
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	170.009								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-06/13/79	20##	0.05	0.078	0.2	0.05	0.003	0.055	0.05	0.05	0.088	0.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-06/13/79	20	0.04	0.05	0.19	0.005	0.002	0.047	0.01	0.02	0.05	0.145
71900	MERCURY, TOTAL (UG/L AS HG)		09/02/70-07/07/86	6##	0.25	0.275	0.5	0.15	0.014	0.117	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0026

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/18/88	42	20.	19.681	31.2	7.2	36.111	6.009	10.75	15.	23.575	28.57
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		08/16/79-02/18/88	14	70.	68.929	82.	56.	58.687	7.661	56.5	64.25	74.75	79.5
00300	OXYGEN, DISSOLVED	MG/L	07/01/68-02/18/88	44	9.2	9.239	11.6	7.5	0.821	0.906	8.	8.6	9.8	10.6
00310	BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-02/18/88	28	1.	1.15	2.	0.5	0.158	0.398	0.99	1.	1.	2.
00340	COD, .25N K2CR207	MG/L	07/25/79-02/18/88	15	6.	5.833	11.	0.5	8.345	2.889	1.4	4.	8.	10.4
00400	PH (STANDARD UNITS)		07/01/68-02/18/88	45	7.3	7.44	9.6	6.2	0.528	0.727	6.72	7.	7.8	8.44
00400	CONVERTED PH (STANDARD UNITS)		07/01/68-02/18/88	45	7.3	7.058	9.6	6.2	0.678	0.823	6.72	7.	7.8	8.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/18/88	45	0.05	0.088	0.631	0.	0.014	0.118	0.004	0.016	0.1	0.196
00403	PH, LAB, STANDARD UNITS	SU	10/08/68-02/18/88	6	6.85	6.833	7.3	6.3	0.159	0.398	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		10/08/68-02/18/88	6	6.825	6.688	7.3	6.3	0.184	0.429	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/08/68-02/18/88	6	0.15	0.205	0.501	0.05	0.031	0.176	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-02/18/88	5	18.	17.8	23.	14.	11.2	3.347	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/08/68-02/18/88	27	12.	21.481	103.	0.	701.548	26.487	2.5	5.	24.	72.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-02/18/88	27	3.	4.648	18.	0.	16.131	4.016	0.8	2.	6.	10.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		10/08/68-02/18/88	27	9.	17.037	91.	0.	544.999	23.345	0.4	2.5	18.	55.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-02/18/88	40##	0.05	0.09	0.4	0.005	0.007	0.082	0.05	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	39##	0.005	0.01	0.05	0.005	0.	0.01	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-02/18/88	34	0.415	0.779	6.799	0.05	1.941	1.393	0.095	0.273	0.643	0.965
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-02/18/88	39	0.3	0.324	1.8	0.05	0.079	0.281	0.1	0.2	0.4	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)		07/25/79-02/18/88	14##	0.05	0.096	0.3	0.05	0.006	0.08	0.05	0.05	0.125	0.25
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/25/79-02/18/88	15	0.01	0.028	0.17	0.005	0.002	0.042	0.005	0.005	0.03	0.098
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		05/29/75-08/27/87	25	5.	5.22	10.	0.5	4.543	2.132	3.	4.	7.	8.4
00945	SULFATE, TOTAL (MG/L AS SO4)		05/31/70-06/13/79	19	5.	6.526	15.	3.	8.708	2.951	3.	5.	9.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)		03/18/70-07/07/86	8##	5.	6.875	20.	5.	28.125	5.303	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)		11/25/70-07/07/86	5	5.	9.6	30.	2.	132.3	11.502	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)		03/18/70-07/07/86	9##	5.	18.222	109.	5.	1164.694	34.128	5.	5.	10.	109.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	37	200.	605.135	6100.	10.	1514264.565	1230.555	50.	100.	600.	1920.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-04/27/88	37	2.301	2.301	3.785	1.	0.367	0.606	1.699	2.	2.778	3.28
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	200.195								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-06/13/79	25##	0.05	0.063	0.2	0.025	0.002	0.045	0.025	0.05	0.05	0.14
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-06/13/79	25	0.03	0.037	0.12	0.005	0.001	0.028	0.005	0.01	0.05	0.072
71900	MERCURY, TOTAL (UG/L AS HG)		09/02/70-07/07/86	7##	0.25	0.436	1.3	0.25	0.154	0.392	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	6	8.5	8.5	16.	1.	23.5	4.848	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	100.	1550.	8000.	50.	6915555.556	2629.744	50.	87.5	2925.	7590.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	2.	2.501	3.903	1.699	0.702	0.838	1.699	1.925	3.459	3.872
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		316.668									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	5	0.1	0.14	0.3	0.05	0.012	0.108	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	5	0.01	0.078	0.3	0.01	0.016	0.126	**	**	**	**

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

Annual Analysis for 1980 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	9	12.9	12.222	24.5	2.	64.677	8.042	2.	3.75	19.2	24.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	9	149.	144.333	283.	10.	5804.5	76.187	10.	95.5	184.	283.
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	9	9.8	10.244	14.6	5.	7.783	2.79	5.	8.9	12.55	14.6
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	9	1.	1.778	4.	1.	1.194	1.093	1.	1.	2.5	4.
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	9	10.	10.778	28.	1.	63.944	7.997	1.	5.	15.	28.
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	9	7.2	7.178	7.5	6.7	0.089	0.299	6.7	6.9	7.45	7.5
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	9	7.2	7.083	7.5	6.7	0.1	0.316	6.7	6.9	7.45	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	9	0.063	0.083	0.2	0.032	0.004	0.06	0.032	0.036	0.129	0.2
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	5.	29.056	193.	2.5	3875.09	62.25	2.5	2.5	22.5	193.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	2.5	5.5	29.	1.	79.313	8.906	1.	1.5	4.5	29.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	4.	24.389	164.	1.	2809.424	53.004	1.	2.5	18.	164.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.1	0.189	0.5	0.05	0.028	0.167	0.05	0.075	0.35	0.5
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.02	0.031	0.11	0.005	0.001	0.033	0.005	0.01	0.04	0.11
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.8	1.019	2.7	0.39	0.454	0.674	0.39	0.7	1.15	2.7
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	9	0.4	0.5	0.9	0.3	0.058	0.24	0.3	0.3	0.75	0.9
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	9	0.1	0.106	0.2	0.	0.006	0.077	0.	0.05	0.2	0.2
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	9	0.08	0.09	0.2	0.04	0.003	0.052	0.04	0.045	0.12	0.2
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	9	9.	9.	14.	5.	9.	3.	5.	6.5	11.5	14.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	7	300.	771.429	4300.	50.	2434880.952	1560.411	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	7	2.477	2.352	3.633	1.699	0.444	0.667	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		224.815									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	11	13.5	12.173	25.4	1.	62.198	7.887	1.3	5.	16.7	24.74
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	11	244.	269.818	535.	162.	11898.764	109.081	163.4	180.	308.	500.2
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	9.8	9.37	12.	6.5	3.716	1.928	6.52	7.225	10.875	11.94
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	11	2.	2.	5.	1.	1.4	1.183	1.	1.	2.	4.6
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	11	9.	9.091	15.	4.	8.691	2.948	4.4	7.	10.	14.4
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	11	6.9	6.973	7.4	6.5	0.072	0.269	6.56	6.8	7.2	7.38
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	11	6.9	6.899	7.4	6.5	0.078	0.28	6.56	6.8	7.2	7.38
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	11	0.126	0.126	0.316	0.04	0.006	0.079	0.042	0.063	0.158	0.285
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	11##	2.5	5.364	14.	2.5	14.505	3.808	2.5	2.5	8.	12.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	11##	2.5	2.818	5.	1.	1.014	1.007	1.3	2.5	3.	4.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	11##	2.5	3.909	10.	2.5	6.141	2.478	2.5	2.5	5.	9.4
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.7	2.014	15.5	0.05	20.291	4.505	0.06	0.2	1.4	12.72
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.05	0.064	0.15	0.005	0.002	0.045	0.008	0.03	0.1	0.146
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	2.	3.591	9.5	0.8	8.999	3.	0.84	1.6	5.5	9.18
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	1.2	3.009	22.6	0.2	42.707	6.535	0.2	0.3	1.9	18.5
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	11	0.2	0.777	4.3	0.05	1.577	1.256	0.06	0.1	0.8	3.76

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

EPA Water Quality Criteria Analysis for Station: FRSP0027

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	17&	2	0.12	9	1	0.11	5	1	0.20	3	0	0.00			
	Drinking Water	1300.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00			
	Drinking Water	15.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00	1	0	0.00						
	Drinking Water	2.	1&	1	1.00	1	1	1.00									
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00				4	0	0.00	3	0	0.00			
	Drinking Water	100.	7	0	0.00				4	0	0.00	3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	10	0	0.00	2	0	0.00						
	Drinking Water	100.	12	0	0.00	10	0	0.00	2	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.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00			
	Drinking Water	5000.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00	4	0	0.00	2	0	0.00						
	Drinking Water	50.	6	0	0.00	4	0	0.00	2	0	0.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	165	80	0.48	44	36	0.82	78	23	0.29	43	21	0.49			
34356 ENDOSULFAN, BETA	Fresh Acute	0.22	3	0	0.00	3	0	0.00									
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	3	0	0.00	3	0	0.00									
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	7	0	0.00	6	0	0.00				1	0	0.00			
	Drinking Water	1.	7	0	0.00	6	0	0.00				1	0	0.00			
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	7	0	0.00	6	0	0.00				1	0	0.00			
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	7	0	0.00	6	0	0.00				1	0	0.00			
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	7	0	0.00	6	0	0.00				1	0	0.00			
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	9	0	0.00	8	0	0.00				1	0	0.00			
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	3	0	0.00	3	0	0.00									
	Drinking Water	0.2	3	0	0.00	3	0	0.00									
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	3	0	0.00				1	0	0.00			
	Drinking Water	2.	4	0	0.00	3	0	0.00				1	0	0.00			
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	7	0	0.00	6	0	0.00				1	0	0.00			
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	7	0	0.00	6	0	0.00				1	0	0.00			
	Drinking Water	2.	7	0	0.00	6	0	0.00				1	0	0.00			
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	3	0	0.00	3	0	0.00									
	Drinking Water	3.	3	0	0.00	3	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00									
	Drinking Water	0.4	3	0	0.00	3	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00									
	Drinking Water	0.2	3	0	0.00	3	0	0.00									
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	3	0	0.00				1	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00	2	0	0.00									
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	3	0	0.00				1	0	0.00			
	Drinking Water	1.	4	0	0.00	3	0	0.00				1	0	0.00			
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	3	0	0.00	3	0	0.00									
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	3	0	0.00	3	0	0.00									
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	12	2	0.17	5	1	0.20	2	1	0.50	5	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00			
	Drinking Water	2.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00			
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	9	1	0.11	2	0	0.00	4	0	0.00	3	1	0.33			

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

Annual Analysis for 1983 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	10	4.5	5.3	15.	1.	15.344	3.917	1.1	2.75	7.	14.2
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	10	550.	1030.	5100.	50.	2430666.667	1559.06	50.	87.5	1125.	4800.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	10	2.69	2.592	3.708	1.699	0.457	0.676	1.699	1.925	3.008	3.669
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		390.405									

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

Annual Analysis for 1984 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	7	15.5	15.657	25.	3.4	42.513	6.52	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	7	96.	120.714	221.	68.	2949.571	54.31	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	7	8.9	9.729	13.1	8.1	3.392	1.842	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	7	1.	1.286	2.	1.	0.238	0.488	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	7	9.	9.571	21.	4.	33.619	5.798	**	**	**	**
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	7	6.6	6.514	6.9	5.8	0.191	0.438	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	7	6.6	6.313	6.9	5.8	0.239	0.489	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	7	0.251	0.487	1.585	0.126	0.292	0.541	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	7##	2.5	3.357	9.	2.	6.226	2.495	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	7##	2.5	2.5	4.	1.	0.75	0.866	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	7##	2.5	2.643	5.	1.	1.393	1.18	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	7	0.1	0.121	0.2	0.05	0.003	0.057	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	7	0.01	0.019	0.05	0.005	0.	0.017	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	7	0.5	1.043	3.3	0.33	1.128	1.062	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	7	0.4	0.4	0.5	0.3	0.01	0.1	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	7	0.1	0.123	0.2	0.05	0.003	0.056	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	7	0.08	0.1	0.2	0.04	0.003	0.053	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	7	3.	3.643	8.	0.5	7.06	2.657	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	6##	75.	141.667	400.	50.	19416.667	139.344	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	6##	1.849	2.	2.602	1.699	0.145	0.381	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		100.									

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

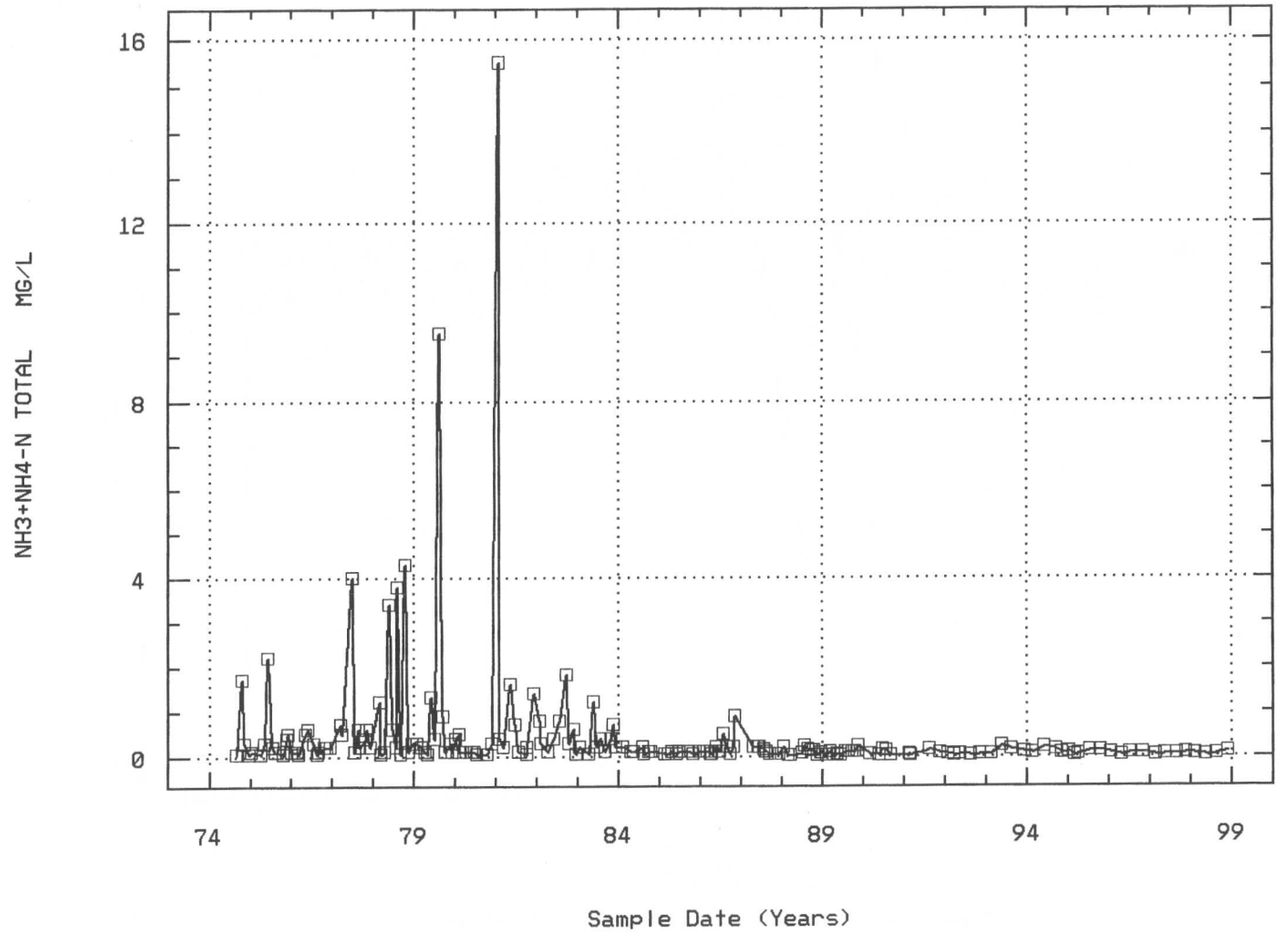
Annual Analysis for 1985 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	10	15.5	14.99	25.	4.	43.47	6.593	4.42	9.55	20.5	24.7
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	10	144.	164.4	234.	109.	2561.378	50.61	109.5	123.75	227.75	233.9
00300p OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	10	8.6	9.15	12.9	6.	4.883	2.21	6.14	7.475	10.925	12.8
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	10	1.	1.2	2.	1.	0.178	0.422	1.	1.	1.25	2.
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	10	6.5	7.2	11.	3.	7.511	2.741	3.1	5.5	9.5	11.
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	10	6.95	6.85	7.4	6.2	0.169	0.412	6.2	6.5	7.15	7.39
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	10	6.947	6.664	7.4	6.2	0.208	0.456	6.2	6.5	7.15	7.39
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	10	0.113	0.217	0.631	0.04	0.051	0.226	0.041	0.072	0.346	0.631
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	10##	3.75	14.25	99.	2.5	898.292	29.972	2.5	2.5	9.25	90.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	10##	2.75	3.65	9.	2.5	4.225	2.055	2.5	2.5	4.25	8.6
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	10##	2.5	12.1	90.	1.	755.489	27.486	1.15	2.5	6.25	82.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	8##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	8	0.01	0.014	0.04	0.005	0.	0.012	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	8	0.77	1.036	2.25	0.6	0.306	0.553	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	5	0.3	0.26	0.4	0.1	0.013	0.114	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	5##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	8	0.04	0.042	0.1	0.005	0.001	0.028	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	10	4.	4.2	7.	3.	1.956	1.398	3.	3.	5.25	6.9

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

Station: FRSP0027 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Annual Analysis for 1987 - Station FRSP0027

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		09/03/74-11/23/98	9	2.301	2.489	3.813	1.699	0.552	0.743	1.699	1.849	3.094	3.813
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		308.112									

** - 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

Annual Analysis for 1988 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	8	11.5	12.975	24.3	3.2	75.736	8.703	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	9	255.	731.111	4840.	111.	2380585.861	1542.915	111.	123.5	307.	4840.
00300p OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	8	11.3	11.025	13.5	7.8	4.945	2.224	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	8	2.	3.5	10.	1.	12.	3.464	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	8	8.	11.625	25.	8.	43.696	6.61	**	**	**	**
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	8	8.3	8.313	9.7	7.5	0.541	0.736	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	8	8.289	7.943	9.7	7.5	0.697	0.835	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	8	0.005	0.011	0.032	0.	0.	0.012	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	9	4.	47.889	229.	2.	6337.299	79.607	2.	2.25	81.5	229.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	9	4.	8.889	23.	2.	65.049	8.065	2.	2.25	16.5	23.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	9##	2.5	39.722	206.	0.5	5215.694	72.22	0.5	0.5	65.	206.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	10	0.11	0.11	0.24	0.02	0.006	0.075	0.02	0.035	0.163	0.236
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	10	0.02	0.024	0.06	0.005	0.	0.02	0.005	0.005	0.04	0.058
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	10	0.815	1.388	4.02	0.02	1.743	1.32	0.062	0.455	2.593	3.917
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	10	0.55	0.725	1.9	0.05	0.396	0.629	0.065	0.275	1.175	1.88
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	10	0.1	0.13	0.3	0.05	0.006	0.079	0.05	0.088	0.2	0.29
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	10	0.025	0.054	0.2	0.005	0.004	0.064	0.006	0.01	0.09	0.192
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	7	4.3	6.771	16.7	1.5	36.956	6.079	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	7	100.	178.571	500.	50.	29047.619	170.434	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	7	2.	2.082	2.699	1.699	0.172	0.415	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		120.783									

** - 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

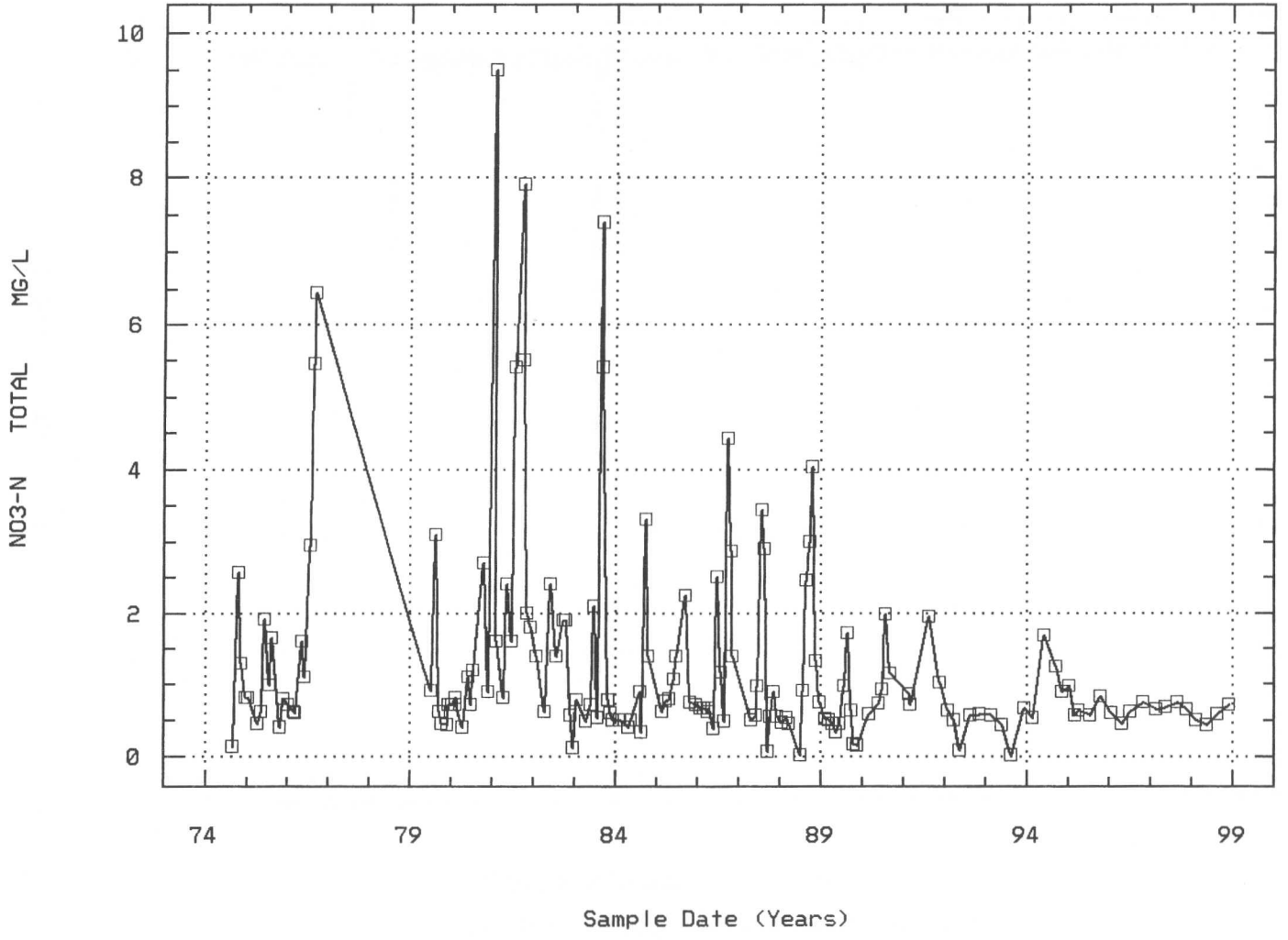
Annual Analysis for 1989 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	11	12.8	14.109	24.5	1.6	58.479	7.647	2.4	6.3	22.1	24.24
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	7	114.	129.571	201.	102.	1245.619	35.293	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	11	9.8	10.218	13.9	8.1	4.036	2.009	8.12	8.3	12.3	13.58
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	11	2.	2.818	8.	1.	3.764	1.94	1.	2.	3.	7.2
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	11	16.	16.455	28.	7.	46.473	6.817	7.4	11.	20.	27.8
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	10	7.6	7.501	8.3	6.8	0.17	0.412	6.83	7.175	7.653	8.251
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	10	7.6	7.336	8.3	6.8	0.2	0.447	6.83	7.175	7.652	8.251
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	10	0.025	0.046	0.158	0.005	0.002	0.045	0.006	0.023	0.067	0.151
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	11	4.	79.5	660.	0.5	38703.75	196.733	0.6	1.	38.	555.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	11	3.	8.5	55.	0.5	256.05	16.002	0.6	1.	10.	46.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	11	2.	71.182	605.	0.5	32675.664	180.764	0.5	0.5	28.	508.8
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	10	0.1	0.091	0.23	0.04	0.003	0.057	0.04	0.04	0.103	0.218
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	10	0.015	0.029	0.14	0.005	0.002	0.04	0.006	0.01	0.025	0.13
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	10	0.47	0.585	1.72	0.15	0.212	0.46	0.152	0.29	0.705	1.644
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	10	0.35	0.45	1.	0.2	0.065	0.255	0.21	0.3	0.575	0.98
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	10	0.1	0.12	0.4	0.05	0.012	0.109	0.05	0.05	0.125	0.38
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	10	0.035	0.076	0.37	0.02	0.012	0.109	0.02	0.02	0.073	0.347
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	11	3.6	4.927	11.4	2.9	7.186	2.681	2.9	3.2	6.	10.76
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	2	100.	100.	100.	100.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	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 box-and-whisker plot

Station: FRSP0027 Parameter Code: 00620

NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Annual Analysis for 1992 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	5	8.3	11.92	20.5	3.3	58.462	7.646	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	5	143.	144.6	153.	135.	54.8	7.403	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	5	2.	1.5	2.	0.5	0.5	0.707	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	5	7.	10.	21.	2.	73.	8.544	**	**	**	**
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	5	6.7	6.82	7.2	6.5	0.097	0.311	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	5	6.7	6.74	7.2	6.5	0.105	0.324	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	5	0.2	0.182	0.316	0.063	0.012	0.109	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	5	4.	4.	8.	1.	9.5	3.082	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	5	1.	1.3	2.	1.	0.2	0.447	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	5	3.	3.3	6.	1.	4.7	2.168	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	5	0.05	0.04	0.06	0.02	0.	0.019	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	5	0.01	0.009	0.01	0.005	0.	0.002	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	5	0.56	0.468	0.63	0.08	0.05	0.223	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	5	0.2	0.32	0.7	0.2	0.047	0.217	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	5##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	5	3.4	3.88	8.5	1.6	7.577	2.753	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	5	50.	1118.	4800.	20.	4320920.	2078.682	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	5	1.699	2.165	3.681	1.301	1.118	1.057	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		146.377									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		09/03/74-11/23/98	3	0.01	0.03	0.07	0.01	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	3	8.	10.333	17.4	5.6	38.893	6.236	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	3	111.	117.333	151.	90.	960.333	30.989	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	4	1.	1.5	3.	1.	1.	1.	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	4	11.	15.25	32.	7.	128.917	11.354	**	**	**	**
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	3	6.5	6.6	6.9	6.4	0.07	0.265	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	3	6.5	6.553	6.9	6.4	0.073	0.271	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	3	0.316	0.28	0.398	0.126	0.02	0.14	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	4	7.	93.75	356.	5.	30570.25	174.844	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	4	1.5	10.5	38.	1.	336.333	18.339	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	4	6.	83.25	318.	3.	24496.917	156.515	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	4	0.125	0.135	0.24	0.05	0.007	0.081	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	4	0.01	0.02	0.05	0.01	0.	0.02	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	4	0.49	0.415	0.66	0.02	0.079	0.281	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	4	0.4	0.5	0.9	0.3	0.073	0.271	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	4##	0.075	0.1	0.2	0.05	0.005	0.071	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	4	3.8	5.225	10.2	3.1	11.216	3.349	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	4	450.	462.5	900.	50.	162291.667	402.854	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	4	2.573	2.45	2.954	1.699	0.332	0.576	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		281.731									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		09/03/74-11/23/98	4	0.03	0.045	0.1	0.02	0.001	0.038	**	**	**	**

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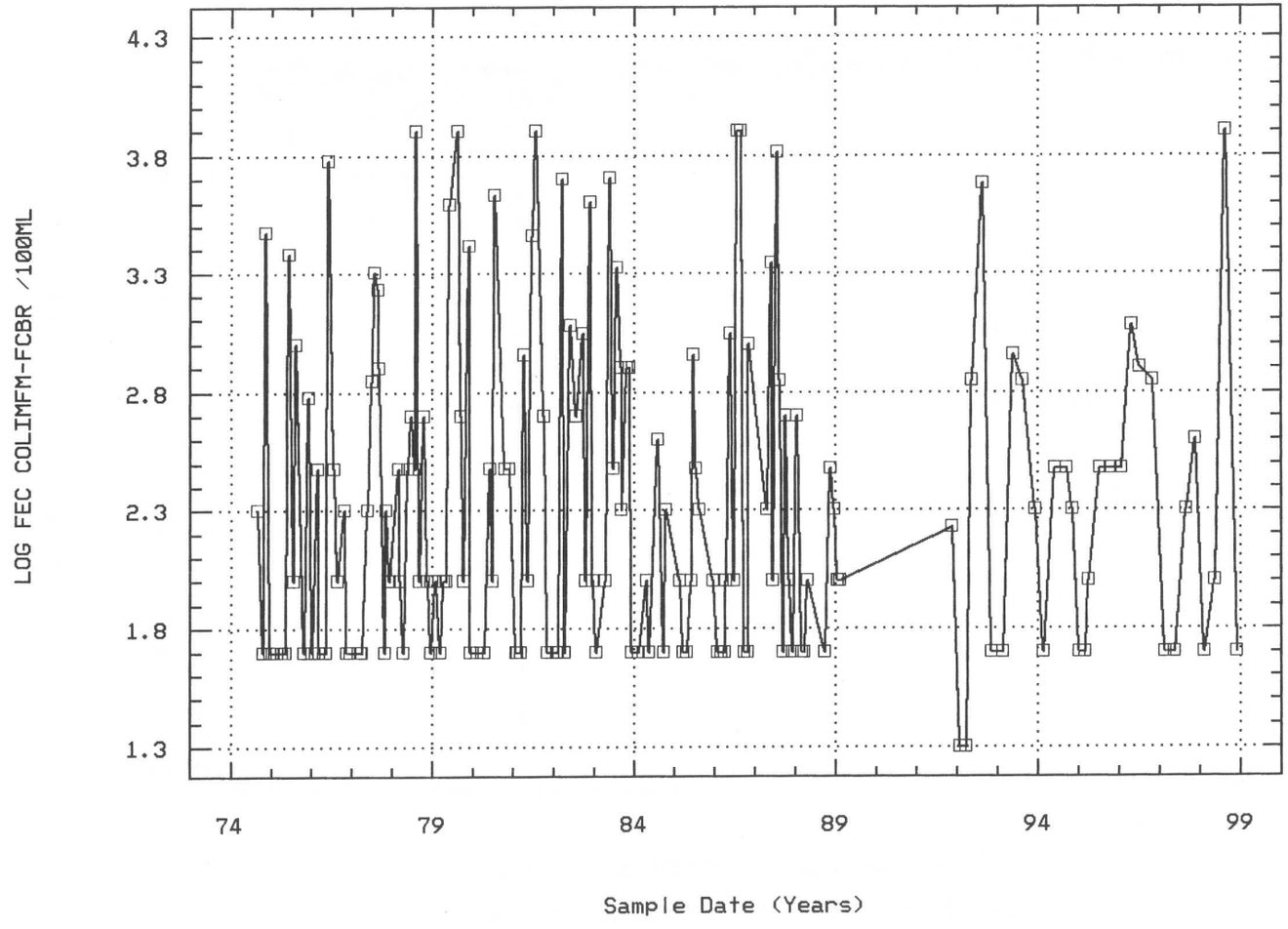
Annual Analysis for 1994 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	17.55	15.425	23.2	3.4	78.842	8.879	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	4	213.5	211.75	221.	199.	86.25	9.287	**	**	**	**

** - 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

Station: FRSP0027 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



RT. 17/2 BRIDGE

Annual Analysis for 1996 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.025	7.051	8.1	6.8	0.403	0.635	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.094	0.089	0.158	0.008	0.004	0.067	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	5.5	6.25	11.	3.	12.917	3.594	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	4.5	5.25	9.	3.	8.25	2.872	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.07	0.068	0.09	0.04	0.	0.021	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.01	0.016	0.04	0.005	0.	0.016	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.6	0.593	0.73	0.44	0.014	0.119	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.45	0.5	0.8	0.3	0.047	0.216	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	3	4.5	4.667	5.5	4.	0.583	0.764	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4	750.	750.	1200.	300.	136666.667	369.685	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4	2.874	2.826	3.079	2.477	0.064	0.253	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		670.074									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.025	0.025	0.03	0.02	0.	0.006	**	**	**	**

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Annual Analysis for 1997 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	8.8	10.75	21.6	3.8	70.203	8.379	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	4	163.5	167.25	194.	148.	431.583	20.775	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.	1.875	5.	0.5	4.396	2.097	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	8.5	7.625	11.	2.5	14.563	3.816	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.05	7.125	7.4	7.	0.036	0.189	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.047	7.098	7.4	7.	0.037	0.192	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.09	0.08	0.1	0.04	0.001	0.028	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	3.5	4.125	8.	1.5	7.729	2.78	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.25	3.25	7.	1.5	6.75	2.598	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.055	0.055	0.09	0.02	0.001	0.029	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.01	0.011	0.02	0.005	0.	0.006	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.66	0.673	0.73	0.64	0.002	0.043	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.3	0.3	0.4	0.2	0.007	0.082	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4##	125.	175.	400.	50.	27500.	165.831	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4##	2.	2.075	2.602	1.699	0.204	0.452	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		118.921									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.02	0.023	0.03	0.02	0.	0.005	**	**	**	**

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Annual Analysis for 1998 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	12.3	13.6	24.	5.8	64.287	8.018	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	4	111.5	124.5	179.	96.	1375.	37.081	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	3	10.	8.667	11.	5.	10.333	3.215	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.8	6.875	7.1	6.8	0.022	0.15	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.8	6.858	7.1	6.8	0.023	0.151	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.158	0.139	0.158	0.079	0.002	0.04	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	4.	7.875	22.	1.5	90.729	9.525	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	1.5	2.375	5.	1.5	3.063	1.75	**	**	**	**

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

Annual Analysis for 1977 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	10	12.4	13.2	25.	0.9	87.544	9.357	0.98	2.375	23.5	25.
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	8.35	8.47	11.8	5.3	3.918	1.979	5.45	7.1	9.775	11.74
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.05	7.043	7.3	6.43	0.085	0.292	6.457	6.925	7.3	7.3
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.047	6.939	7.3	6.43	0.097	0.312	6.457	6.925	7.3	7.3
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.09	0.115	0.372	0.05	0.01	0.101	0.05	0.05	0.125	0.354
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.55	0.83	4.	0.1	1.313	1.146	0.11	0.2	0.775	3.7
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.105	0.177	0.8	0.005	0.059	0.243	0.006	0.018	0.23	0.755
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	10	0.75	1.22	5.699	0.3	2.539	1.593	0.31	0.55	1.025	5.239
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	200.	585.	2000.	50.	521694.444	722.284	50.	50.	1025.	1970.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	2.301	2.398	3.301	1.699	0.401	0.633	1.699	1.699	2.985	3.294
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		249.956									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	10	0.15	0.31	1.3	0.05	0.152	0.389	0.05	0.088	0.45	1.23
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	10	0.125	0.308	1.299	0.02	0.151	0.389	0.026	0.087	0.413	1.229

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

Annual Analysis for 1978 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	12	13.5	14.792	24.5	2.	69.566	8.341	2.45	6.75	23.	24.35
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	12	8.75	9.133	13.2	6.	5.484	2.342	6.27	7.125	11.35	12.99
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	12	6.8	6.9	7.4	6.5	0.065	0.256	6.56	6.725	7.	7.37
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	12	6.8	6.839	7.4	6.5	0.07	0.264	6.56	6.725	7.	7.37
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	12	0.158	0.145	0.316	0.04	0.006	0.075	0.043	0.1	0.189	0.281
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.3	1.282	4.3	0.05	2.837	1.684	0.05	0.1	3.4	4.2
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.02	0.215	1.9	0.005	0.316	0.562	0.005	0.01	0.08	1.564
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	0.8	2.045	8.3	0.2	6.969	2.64	0.22	0.3	3.7	7.7
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	11	300.	936.364	8000.	50.	5516045.455	2348.626	50.	100.	500.	6500.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	11	2.477	2.375	3.903	1.699	0.391	0.625	1.699	2.	2.699	3.662
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		237.402									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	11	0.2	0.995	4.8	0.05	2.616	1.617	0.05	0.05	2.2	4.44
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	11	0.2	0.523	2.6	0.03	0.704	0.839	0.03	0.04	0.45	2.42

** - 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

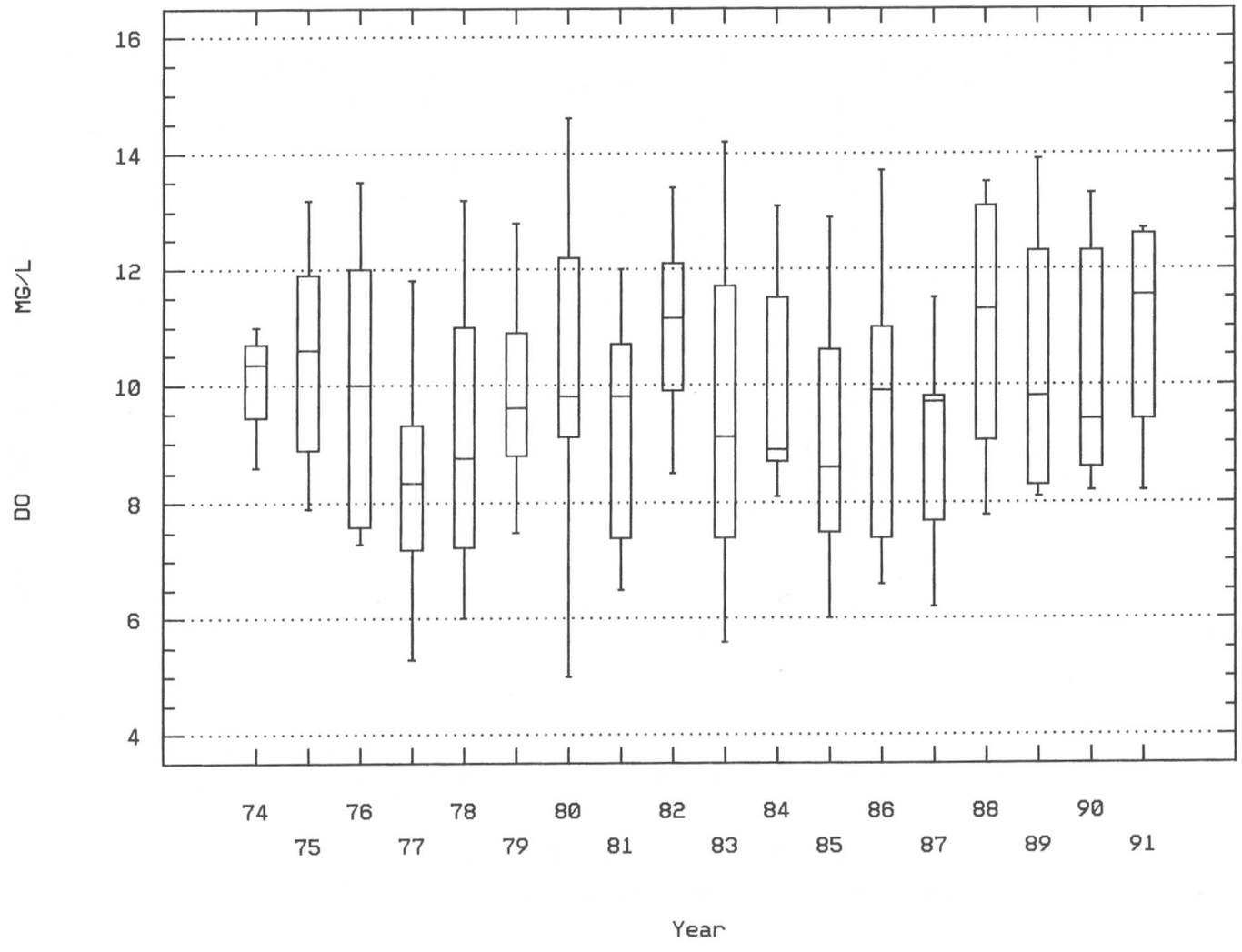
Annual Analysis for 1979 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	11	15.	13.655	20.5	3.	35.873	5.989	3.24	9.	18.	20.4
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	6	128.5	154.667	264.	76.	6442.267	80.264	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	11	9.6	10.064	12.8	7.5	2.841	1.685	7.7	8.8	10.9	12.78
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	5	2.	2.6	5.	1.	2.3	1.517	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	6	13.5	16.17	34.	0.02	145.637	12.068	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	11	7.	6.991	7.6	6.4	0.115	0.339	6.44	6.8	7.2	7.56
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	11	7.	6.875	7.6	6.4	0.13	0.36	6.44	6.8	7.2	7.56
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	11	0.1	0.133	0.398	0.025	0.012	0.107	0.028	0.063	0.158	0.369
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	6	9.5	24.583	99.	2.5	1362.242	36.909	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	6	4.5	6.667	17.	2.5	31.367	5.601	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	6	6.5	18.917	82.	1.	983.642	31.363	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.3	1.205	9.5	0.05	7.72	2.779	0.06	0.1	0.9	7.86
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.01	0.029	0.1	0.005	0.001	0.033	0.005	0.005	0.04	0.096
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	6	0.65	1.03	3.1	0.43	1.058	1.029	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	0.5	1.609	11.6	0.1	11.143	3.338	0.14	0.3	1.1	9.58
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	6	0.15	0.975	5.1	0.05	4.092	2.023	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	6	0.095	0.753	4.	0.01	2.54	1.594	**	**	**	**

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

Station: FRSP0027 Parameter Code: 00300

OXYGEN, DISSOLVED



RT. 17/2 BRIDGE

Annual Analysis for 1981 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	11	0.2	0.59	2.4	0.03	0.575	0.758	0.044	0.1	0.8	2.24
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	11	5.	5.182	9.	1.	5.164	2.272	1.4	4.	7.	8.8
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	300.	1310.	8000.	50.	6286555.556	2507.3	50.	50.	1400.	7490.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	2.349	2.451	3.903	1.699	0.664	0.815	1.699	1.699	3.081	3.859
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		282.719									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	8	8.25	9.163	24.3	0.5	58.823	7.67	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	10	173.	1151.8	8520.	119.	6908054.844	2628.318	119.7	155.25	591.75	7829.1
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	11.15	10.99	13.4	8.5	2.485	1.577	8.57	9.725	12.275	13.34
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	10	2.	2.4	8.	1.	4.489	2.119	1.	1.	3.	7.5
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	10	8.5	16.3	60.	5.	285.567	16.899	5.3	8.	18.	57.
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.8	6.76	7.3	6.2	0.143	0.378	6.21	6.375	7.1	7.28
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.789	6.617	7.3	6.2	0.165	0.407	6.21	6.375	7.1	7.28
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.163	0.242	0.631	0.05	0.041	0.202	0.053	0.079	0.424	0.618
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	5.5	23.2	158.	2.5	2365.178	48.633	2.5	2.5	15.	146.1
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	2.5	6.8	32.	2.	86.733	9.313	2.	2.375	8.	29.9
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	2.75	17.4	126.	0.	1521.267	39.003	0.25	2.5	10.	116.2
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.4	0.572	1.8	0.05	0.286	0.535	0.05	0.2	0.8	1.8
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.025	0.045	0.13	0.005	0.002	0.045	0.006	0.01	0.08	0.128
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	1.2	1.227	2.4	0.12	0.502	0.709	0.163	0.588	1.9	2.35
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	10	0.7	0.81	2.	0.3	0.274	0.524	0.3	0.375	1.05	1.92
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	10	0.3	1.84	11.8	0.05	14.164	3.764	0.05	0.05	1.638	11.08
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	10	0.245	1.719	11.	0.01	12.495	3.535	0.012	0.03	1.575	10.35
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	10	3.5	3.7	10.	1.	7.344	2.71	1.	1.	5.	9.5
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	300.	1215.	5000.	50.	3240583.333	1800.162	50.	50.	1900.	4900.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	2.349	2.522	3.699	1.699	0.638	0.799	1.699	1.699	3.21	3.689
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		332.467									

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

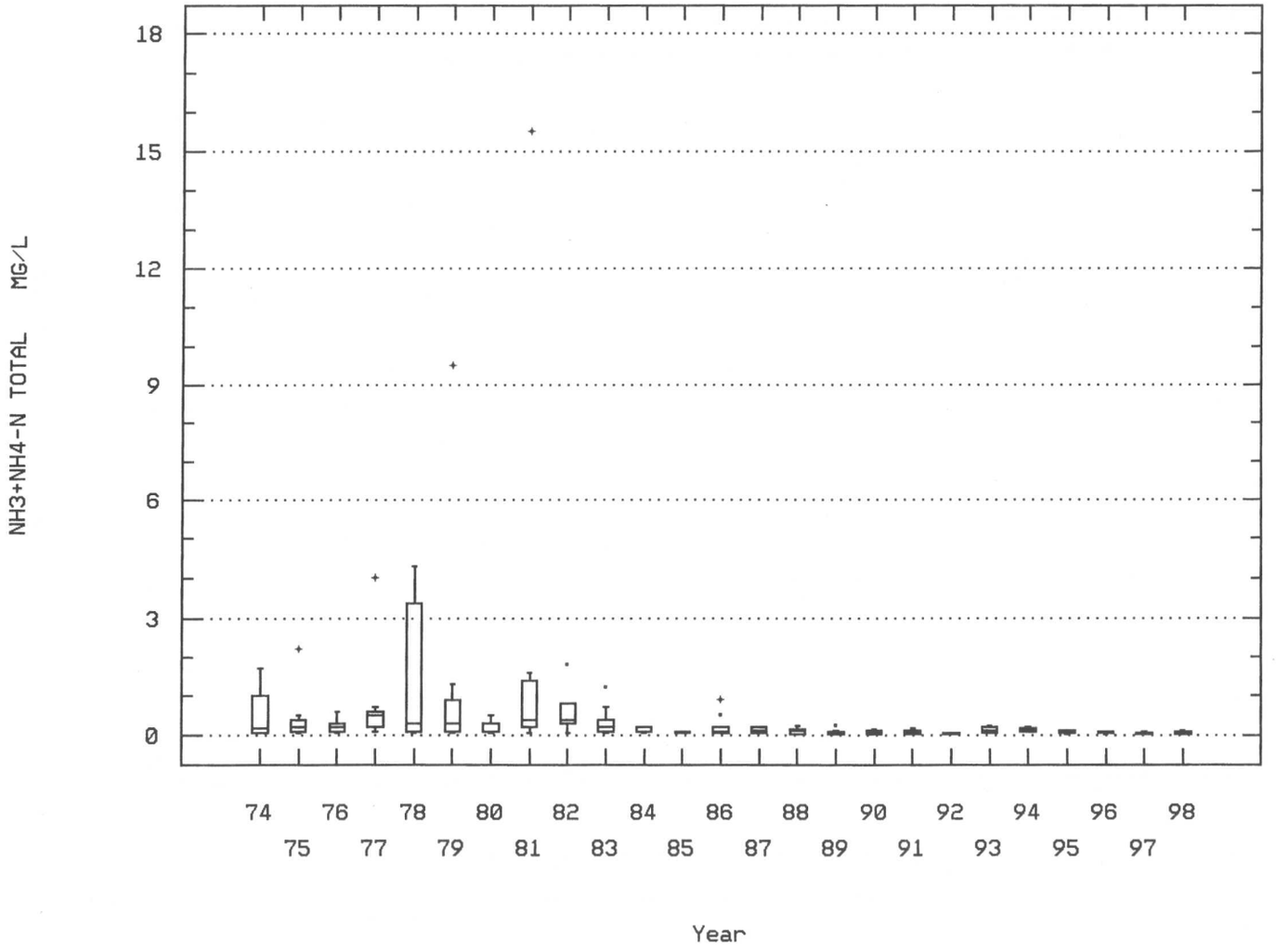
Annual Analysis for 1983 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	10	15.05	15.07	25.	1.	68.858	8.298	1.35	7.95	22.5	24.9
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	10	132.5	185.4	361.	88.	10698.933	103.436	89.7	112.5	285.75	360.6
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	9.1	9.31	14.2	5.6	7.619	2.76	5.64	7.05	11.775	13.98
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	10	2.	1.9	3.	1.	0.767	0.876	1.	1.	3.	3.
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	10	7.5	11.4	39.	1.	114.267	10.69	1.4	5.75	14.5	36.7
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.45	6.595	7.1	6.1	0.109	0.33	6.125	6.388	6.925	7.09
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.447	6.493	7.1	6.1	0.121	0.347	6.125	6.387	6.925	7.09
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.357	0.322	0.794	0.079	0.048	0.218	0.081	0.119	0.41	0.76
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	9.	46.4	388.	2.5	14426.656	120.111	2.5	4.375	14.	350.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	3.25	9.3	54.	1.	259.067	16.096	1.1	2.	8.5	49.9
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	5.5	37.6	334.	0.	10857.989	104.202	0.1	2.125	8.25	301.8
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.2	0.355	1.2	0.05	0.126	0.355	0.055	0.1	0.475	1.15
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.04	0.623	5.6	0.005	3.066	1.751	0.005	0.005	0.173	5.07
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.735	1.923	7.4	0.47	6.014	2.452	0.473	0.523	2.925	7.2
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	10	0.75	0.89	2.2	0.2	0.47	0.685	0.2	0.275	1.475	2.15
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	10	0.35	0.435	1.1	0.05	0.116	0.341	0.05	0.125	0.65	1.07
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	9	0.27	0.403	1.	0.02	0.118	0.343	0.02	0.1	0.7	1.

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

Station: FRSP0027 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Annual Analysis for 1985 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	8	100.	225.	900.	50.	81428.571	285.357	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	8	2.	2.141	2.954	1.699	0.179	0.423	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		138.45									

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

Annual Analysis for 1986 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	11	11.	12.636	23.	0.5	50.455	7.103	0.9	9.	19.	22.3
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	11	159.	155.455	251.	108.	2169.073	46.573	108.8	113.	197.	240.8
00300p OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	11	9.9	9.809	13.7	6.6	5.203	2.281	6.72	7.4	11.	13.6
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	11	2.	2.545	8.	0.5	6.023	2.454	0.5	1.	4.	7.6
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	11	9.	11.273	21.	1.	32.618	5.711	2.2	8.	15.	20.4
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	11	6.2	6.173	6.8	5.6	0.15	0.388	5.62	5.8	6.5	6.78
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	11	6.2	6.029	6.8	5.6	0.173	0.416	5.62	5.8	6.5	6.78
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	11	0.631	0.936	2.512	0.158	0.593	0.77	0.167	0.316	1.585	2.409
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	11	7.	9.409	40.	2.5	124.441	11.155	2.5	2.5	11.	35.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	11	3.	4.409	11.	2.5	8.741	2.957	2.5	2.5	5.	10.6
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	11	2.5	6.136	29.	2.	65.605	8.1	2.1	2.5	5.	25.6
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	11	0.1	0.223	0.9	0.05	0.067	0.259	0.05	0.05	0.2	0.82
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	11	0.02	0.025	0.08	0.005	0.001	0.023	0.005	0.005	0.04	0.072
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	11	0.65	1.434	4.42	0.38	1.677	1.295	0.4	0.6	2.51	4.11
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	11	0.4	0.509	1.2	0.2	0.101	0.318	0.22	0.3	0.6	1.16
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	11	0.2	0.195	0.7	0.05	0.035	0.186	0.05	0.05	0.2	0.62
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	11	0.05	0.12	0.65	0.03	0.032	0.179	0.032	0.04	0.12	0.544
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	11	5.	4.909	7.	4.	1.091	1.044	4.	4.	6.	6.8
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	11	100.	1686.364	8000.	50.	9896045.455	3145.798	50.	50.	1100.	8000.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	11	2.	2.395	3.903	1.699	0.807	0.898	1.699	1.699	3.041	3.903
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		248.179									

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

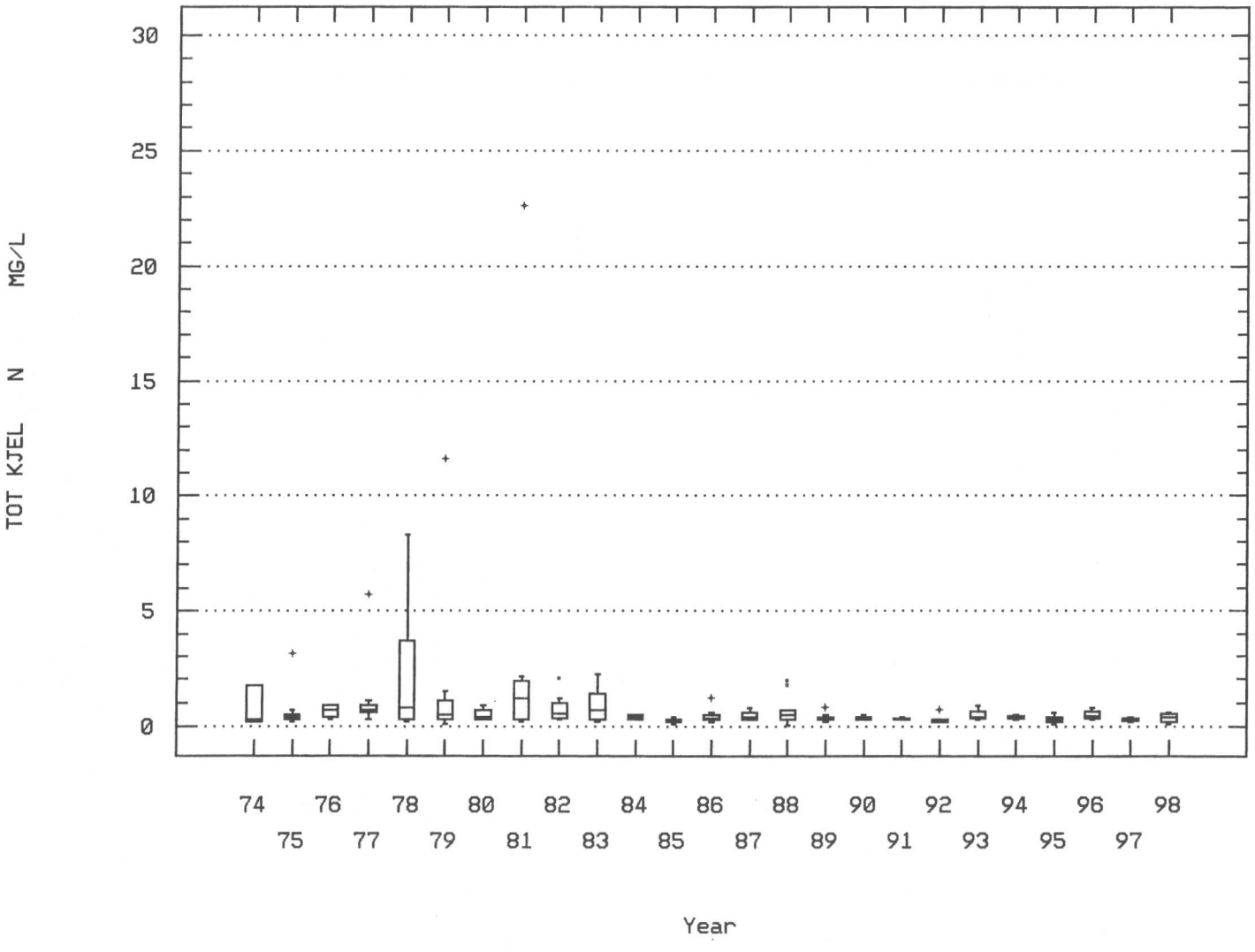
Annual Analysis for 1987 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	9	18.8	17.6	26.2	7.1	45.653	6.757	7.1	12.05	24.3	26.2
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	9	178.	197.444	366.	102.	8559.278	92.516	102.	115.5	279.	366.
00300p OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	9	9.7	8.922	11.5	6.2	3.094	1.759	6.2	7.2	10.1	11.5
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	9	1.	1.111	2.	0.5	0.299	0.546	0.5	0.75	1.5	2.
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	9	11.	11.556	25.	4.	40.778	6.386	4.	6.5	14.5	25.
00400p PH (STANDARD UNITS)		09/03/74-11/23/98	9	7.3	7.189	7.7	6.4	0.156	0.395	6.4	6.95	7.5	7.7
00400p CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	9	7.3	7.006	7.7	6.4	0.194	0.44	6.4	6.95	7.5	7.7
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	9	0.05	0.099	0.398	0.02	0.014	0.118	0.02	0.032	0.113	0.398
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	9	6.	5.111	11.	2.5	8.486	2.913	2.5	2.5	6.5	11.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	9	2.5	3.889	8.	2.	4.986	2.233	2.	2.5	6.	8.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	9##	2.5	2.722	4.	2.5	0.257	0.507	2.5	2.5	2.75	4.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	8	0.125	0.125	0.2	0.05	0.005	0.071	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	9	0.01	0.017	0.06	0.005	0.	0.018	0.005	0.008	0.02	0.06
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	9	0.55	1.153	3.44	0.06	1.392	1.18	0.06	0.515	1.935	3.44
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	9	0.4	0.456	0.8	0.3	0.03	0.174	0.3	0.3	0.6	0.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	9##	0.05	0.078	0.2	0.05	0.003	0.051	0.05	0.05	0.1	0.2
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	9	0.03	0.034	0.07	0.005	0.	0.021	0.005	0.015	0.05	0.07
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	5	5.	4.6	5.	4.	0.3	0.548	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	9	200.	1155.556	6500.	50.	4484652.778	2117.7	50.	75.	1450.	6500.

** - Less than 9 observations ## - Computed 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: FRSP0027 Parameter Code: 00625

NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 17/2 BRIDGE

Annual Analysis for 1989 - Station FRSP0027

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 =	100.										

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

Annual Analysis for 1990 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	7	18.4	15.829	23.5	4.3	59.566	7.718	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	2	142.5	142.5	161.	124.	684.5	26.163	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	7	9.4	10.229	13.3	8.2	3.729	1.931	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	7	2.	2.143	3.	2.	0.143	0.378	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	7	10.	9.571	15.	2.	14.952	3.867	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.8	6.55	7.3	5.3	0.81	0.9	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.704	5.865	7.3	5.3	1.436	1.198	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.198	1.364	5.012	0.05	5.927	2.435	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	7	3.	4.357	10.	0.5	13.56	3.682	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	7	2.	1.5	3.	0.5	1.	1.	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	7	2.	3.071	8.	0.5	7.536	2.745	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.05	0.074	0.15	0.02	0.004	0.062	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.01	0.012	0.02	0.005	0.	0.008	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.91	1.066	1.98	0.57	0.308	0.555	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	5	0.4	0.38	0.5	0.3	0.007	0.084	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	5	0.1	0.08	0.1	0.05	0.001	0.027	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	5	0.02	0.036	0.1	0.01	0.001	0.036	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	7	3.7	3.786	4.7	2.8	0.448	0.669	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	6.7	10.225	23.8	3.7	86.063	9.277	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	4	11.55	11.	12.7	8.2	4.38	2.093	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.5	1.5	2.	1.	0.333	0.577	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	10.5	9.5	12.	5.	9.667	3.109	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.55	6.475	7.2	5.6	0.436	0.66	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.547	6.105	7.2	5.6	0.619	0.786	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.284	0.786	2.512	0.063	1.336	1.156	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.	2.	2.5	1.5	0.333	0.577	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.	2.	2.5	1.5	0.333	0.577	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.	2.	2.5	1.5	0.333	0.577	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.065	0.085	0.17	0.04	0.004	0.059	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4##	0.008	0.015	0.04	0.005	0.	0.017	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.935	1.13	1.95	0.7	0.316	0.562	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.3	0.325	0.4	0.3	0.003	0.05	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	3	0.01	0.015	0.03	0.005	0.	0.013	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	4	3.45	3.525	4.7	2.5	0.896	0.946	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	1	170.	170.	170.	170.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	1	2.23	2.23	2.23	2.23	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =	170.										

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0027

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	87	0.1	0.224	2.512	0.	0.147	0.384	0.019	0.05	0.2	0.408
00403	PH, LAB, STANDARD UNITS	SU	07/26/83-11/23/98	33	6.6	6.636	7.2	6.3	0.052	0.228	6.34	6.5	6.75	7.02
00403	CONVERTED PH, LAB, STANDARD UNITS		07/26/83-11/23/98	33	6.6	6.585	7.2	6.3	0.054	0.233	6.34	6.5	6.75	7.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/26/83-11/23/98	33	0.251	0.26	0.501	0.063	0.014	0.12	0.098	0.179	0.316	0.46
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		07/26/83-11/23/98	33	14.	17.152	36.	6.	52.008	7.212	9.4	12.	23.	28.4
00500	RESIDUE, TOTAL (MG/L)		07/03/79-11/23/98	27	109.	149.	731.	45.	18458.692	135.863	66.4	96.	144.	256.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)		07/03/79-11/23/98	27	30.	35.222	93.	11.	361.179	19.005	17.2	26.	40.	66.8
00510	RESIDUE, TOTAL FIXED (MG/L)		07/03/79-11/23/98	27	77.	113.778	641.	27.	14797.179	121.644	39.6	64.	114.	210.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	63	4.	27.	660.	0.5	8105.177	90.029	1.7	2.5	8.	75.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	63##	2.5	5.23	55.	0.5	76.982	8.774	1.	1.5	4.	13.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	63	2.5	22.77	605.	0.	6669.644	81.668	1.	2.	5.	60.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	86	0.1	0.472	15.5	0.02	2.976	1.725	0.047	0.05	0.3	0.73
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	87	0.01	0.022	0.3	0.005	0.002	0.042	0.005	0.005	0.02	0.042
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	71	0.7	0.964	9.5	0.12	1.342	1.158	0.466	0.56	0.89	1.76
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	86	0.4	0.875	22.6	0.05	6.454	2.54	0.2	0.3	0.8	1.06
00665	PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	61	0.1	0.257	4.3	0.	0.355	0.596	0.05	0.05	0.2	0.64
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	48	0.05	0.223	2.4	0.005	0.199	0.446	0.01	0.02	0.15	0.665
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	54	4.	4.659	16.	1.	8.671	2.945	1.55	3.	5.125	8.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)		07/22/87-11/23/98	31	36.	40.968	129.	16.	431.366	20.769	22.4	31.	46.	68.
00940	CHLORIDE,TOTAL IN WATER	MG/L	10/12/88-11/23/98	26	18.5	27.077	218.	6.	1620.394	40.254	8.4	12.75	24.25	44.8
00945	SULFATE, TOTAL (MG/L AS SO4)		11/14/88-11/23/98	26	14.	14.423	19.	10.	6.494	2.548	11.7	12.	16.	19.
01002	ARSENIC, TOTAL (UG/L AS AS)		10/21/75-09/15/94	6##	1.25	2.	5.	1.	2.5	1.581	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)		05/06/75-09/15/94	6##	5.	4.667	5.	3.	0.667	0.816	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)		05/06/75-09/15/94	6##	5.	8.333	25.	5.	66.667	8.165	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)		05/06/75-09/15/94	6##	5.	12.667	31.	5.	144.667	12.028	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)		05/06/75-09/15/94	6	5.5	7.667	13.	4.	17.467	4.179	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)		10/09/79-09/15/94	2##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)		05/06/75-09/15/94	6	33.	34.333	50.	20.	184.667	13.589	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	78##	50.	334.103	5000.	20.	686045.288	828.279	50.	50.	200.	710.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	78##	1.699	2.045	3.699	1.301	0.277	0.526	1.699	1.699	2.301	2.851
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	110.822								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		09/03/74-11/23/98	38	0.03	0.111	1.599	0.01	0.071	0.267	0.01	0.02	0.083	0.256
71900	MERCURY, TOTAL (UG/L AS HG)		05/06/75-09/15/94	6##	0.2	0.2	0.25	0.15	0.003	0.055	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0027

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	45	16.7	16.693	25.4	7.8	18.592	4.312	10.8	13.3	19.7	22.46
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	33	127.	274.818	4840.	10.	673651.966	820.763	88.8	103.	172.	212.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		07/20/89-11/23/98	9	138.	136.667	194.	87.	961.5	31.008	87.	113.	152.	194.
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	01/30/92-11/23/98	7	9.4	9.7	11.6	7.8	1.54	1.241	**	**	**	**
00300	OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	40	9.3	9.33	12.	5.3	2.098	1.448	7.23	8.625	10.375	11.45
00310	BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	35	1.	1.857	10.	0.5	2.994	1.73	1.	1.	2.	3.
00340	COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	34	9.5	10.956	39.	2.	62.824	7.926	3.5	6.75	12.5	21.5
00400	PH (STANDARD UNITS)		09/03/74-11/23/98	46	7.	6.909	7.5	5.3	0.251	0.501	6.14	6.775	7.3	7.4
00400	CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	46	7.	6.471	7.5	5.3	0.446	0.668	6.14	6.775	7.3	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	46	0.1	0.338	5.012	0.032	0.691	0.831	0.04	0.05	0.169	0.742
00403	PH, LAB, STANDARD UNITS	SU	07/26/83-11/23/98	19	6.7	6.726	7.4	6.4	0.052	0.228	6.4	6.6	6.8	7.
00403	CONVERTED PH, LAB, STANDARD UNITS		07/26/83-11/23/98	19	6.7	6.679	7.4	6.4	0.054	0.233	6.4	6.6	6.8	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/26/83-11/23/98	19	0.2	0.21	0.398	0.04	0.008	0.092	0.1	0.158	0.251	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		07/26/83-11/23/98	19	18.	19.737	45.	12.	63.538	7.971	13.	14.	23.	30.
00500	RESIDUE, TOTAL (MG/L)		07/03/79-11/23/98	12	108.	111.25	211.	80.	1288.75	35.899	80.6	85.25	116.75	188.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)		07/03/79-11/23/98	12	27.	27.5	40.	18.	51.364	7.167	18.	20.25	32.75	38.8
00510	RESIDUE, TOTAL FIXED (MG/L)		07/03/79-11/23/98	12	77.	83.75	178.	55.	1041.114	32.266	56.5	64.5	90.5	153.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	35	6.	27.829	388.	1.5	7442.749	86.271	2.5	2.5	11.	24.8

** - 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 1994 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.05	1.025	1.5	0.5	0.169	0.411	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	11.5	12.75	20.	8.	26.25	5.123	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.2	7.2	7.4	7.	0.027	0.163	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.2	7.177	7.4	7.	0.027	0.165	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.063	0.067	0.1	0.04	0.001	0.025	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	5.	5.25	6.	5.	0.25	0.5	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	1.25	1.25	1.5	1.	0.083	0.289	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	4.	4.	5.	3.	0.667	0.816	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.115	0.13	0.21	0.08	0.004	0.063	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.01	0.013	0.02	0.01	0.	0.005	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	1.065	1.083	1.68	0.52	0.247	0.497	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.4	0.4	0.5	0.3	0.007	0.082	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	4	3.25	3.3	3.9	2.8	0.287	0.535	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4	250.	212.5	300.	50.	13958.333	118.145	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4	2.389	2.239	2.477	1.699	0.136	0.369	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		173.205									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.02	0.023	0.04	0.01	0.	0.013	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	5	10.1	11.52	24.	1.9	76.357	8.738	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	5	172.	176.8	189.	164.	123.7	11.122	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	5	1.	1.22	2.3	0.5	0.647	0.804	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	5	12.	12.4	23.	7.	40.3	6.348	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	5	7.4	7.34	7.4	7.2	0.008	0.089	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	5	7.4	7.332	7.4	7.2	0.008	0.09	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	5	0.04	0.047	0.063	0.04	0.	0.01	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	5	5.	5.1	9.	1.5	9.05	3.008	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	5##	1.5	1.8	3.	1.5	0.45	0.671	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	5	3.	3.6	6.	1.5	5.175	2.275	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.1	0.086	0.12	0.04	0.001	0.038	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.01	0.01	0.02	0.005	0.	0.006	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.62	0.704	0.97	0.55	0.034	0.184	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	5	0.3	0.32	0.6	0.1	0.037	0.192	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	5##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	5	3.9	4.22	6.	2.4	2.382	1.543	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	5	100.	160.	300.	50.	16750.	129.422	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	5	2.	2.07	2.477	1.699	0.153	0.391	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		117.608									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	5	0.02	0.028	0.04	0.02	0.	0.011	**	**	**	**

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

Annual Analysis for 1996 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	11.3	11.775	22.9	1.6	78.856	8.88	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	4	152.	286.75	700.	143.	75928.917	275.552	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.	0.875	1.	0.5	0.063	0.25	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	13.	14.	22.	8.	34.667	5.888	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.05	7.25	8.1	6.8	0.35	0.592	**	**	**	**

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

Station Inventory for Station: FRSP0028

NPS Station ID: FRSP0028 LAT/LON: 38.350003/ -77.458059 Agency: 21VASWCB Date Created: / /
Location: RT. 1 BRIDGE FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-CLB004.42 /VA3-04-X0003/VA3-3X0003
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
RIVER: CLAIBORN RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	73	16.1	14.734	26.1	1.7	61.742	7.858	3.54	7.25	21.95	24.76
00300 OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	73	9.2	9.43	14.	3.3	4.094	2.023	7.24	8.	10.8	12.32
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-09/02/77	11	2.5	2.764	6.	1.1	1.879	1.371	1.12	2.3	2.9	5.66
00400 PH (STANDARD UNITS)		08/06/68-01/27/78	73	6.5	6.597	11.	4.7	0.525	0.725	6.	6.3	6.8	7.26
00400 CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	73	6.5	6.136	11.	4.7	0.741	0.861	6.	6.3	6.8	7.26
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	73	0.316	0.732	19.953	0.	5.554	2.357	0.055	0.158	0.501	1.
00403 PH, LAB, STANDARD UNITS	SU	10/08/68-05/31/70	9	6.1	6.122	6.5	5.6	0.104	0.323	5.6	5.85	6.45	6.5
00403 CONVERTED PH, LAB, STANDARD UNITS		10/08/68-05/31/70	9	6.1	6.012	6.5	5.6	0.118	0.344	5.6	5.85	6.45	6.5
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/08/68-05/31/70	9	0.794	0.973	2.512	0.316	0.598	0.774	0.316	0.357	1.498	2.512
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-05/07/70	8	5.	5.5	10.	3.	5.143	2.268	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		10/08/68-11/25/70	9	114.	161.	327.	85.	9039.	95.074	85.	92.5	258.5	327.
00505 RESIDUE, TOTAL VOLATILE (MG/L)		10/08/68-11/25/70	9	44.	54.667	88.	25.	631.5	25.13	25.	31.5	82.5	88.
00510 RESIDUE, TOTAL FIXED (MG/L)		10/08/68-11/25/70	9	62.	106.333	240.	54.	5510.75	74.234	54.	56.5	175.5	240.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/08/68-11/25/70	9	13.	27.444	147.	4.	2038.778	45.153	4.	7.5	18.5	147.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/25/70	9	5.	7.778	18.	1.	39.944	6.32	1.	2.5	14.5	18.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		10/08/68-11/25/70	9	8.	32.444	132.	1.	2566.278	50.658	1.	4.5	62.5	132.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-01/27/78	67	0.07	0.156	4.5	0.005	0.295	0.543	0.03	0.05	0.1	0.2
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-01/27/78	68	0.01	0.011	0.07	0.005	0.	0.012	0.005	0.005	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-09/01/76	61	0.35	0.404	1.289	0.005	0.071	0.266	0.112	0.185	0.59	0.722
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-01/27/78	68	0.5	0.627	5.5	0.05	0.561	0.749	0.2	0.4	0.7	0.9
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		11/17/76-01/27/78	7	0.3	0.496	1.5	0.01	0.361	0.601	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		11/09/77-11/09/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		05/31/70-01/27/78	53	7.	7.642	16.	1.	11.581	3.403	2.4	6.	9.5	12.
01002 ARSENIC, TOTAL (UG/L AS AS)		04/25/71-03/17/77	5##	2.5	2.2	2.5	1.	0.45	0.671	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		11/25/70-03/17/77	9##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034 CHROMIUM, TOTAL (UG/L AS CR)		03/18/70-03/17/77	16##	5.	7.813	20.	5.	36.563	6.047	5.	5.	5.	20.
01042 COPPER, TOTAL (UG/L AS CU)		03/18/70-03/17/77	16##	5.	8.125	30.	5.	49.583	7.042	5.	5.	8.75	23.
01045 IRON, TOTAL (UG/L AS FE)		11/25/70-12/14/71	3	1099.	1199.333	1899.	600.	429400.333	655.286	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		11/25/70-03/17/77	13##	5.	6.346	11.	1.5	8.308	2.882	2.9	5.	10.	10.6
01055 MANGANESE, TOTAL (UG/L AS MN)		03/18/70-04/25/71	3	129.9	136.567	159.9	119.9	433.333	20.817	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)		01/22/73-03/17/77	4##	50.	38.75	50.	5.	506.25	22.5	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		03/18/70-03/17/77	16	10.	15.938	40.	5.	167.396	12.938	5.	5.	27.5	40.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)		08/06/68-10/06/70	14	2350.	6715.714	43000.	230.	141919703.297	11913.006	330.	805.	4600.	33000.

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

Annual Analysis for 1998 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.25	5.75	17.	1.5	56.75	7.533	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.055	0.065	0.11	0.04	0.001	0.031	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.015	0.014	0.02	0.005	0.	0.008	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.54	0.555	0.71	0.43	0.014	0.12	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.4	0.375	0.6	0.1	0.049	0.222	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4##	75.	2050.	8000.	50.	15735000.	3966.737	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4##	1.849	2.325	3.903	1.699	1.127	1.061	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		211.474									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.02	0.035	0.08	0.02	0.001	0.03	**	**	**	**

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

Annual Analysis for 1968 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	3	20.6	20.2	25.6	14.4	31.48	5.611	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	3	7.5	7.833	9.	7.	1.083	1.041	**	**	**	**
00400 PH (STANDARD UNITS)		08/06/68-01/27/78	3	6.4	6.133	6.5	5.5	0.303	0.551	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	3	6.4	5.889	6.5	5.5	0.393	0.627	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	3	0.398	1.292	3.162	0.316	2.625	1.62	**	**	**	**

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

Annual Analysis for 1969 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	3	17.8	13.9	21.7	2.2	106.47	10.318	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	3	8.	9.1	12.	7.3	6.43	2.536	**	**	**	**
00400 PH (STANDARD UNITS)		08/06/68-01/27/78	3	6.2	6.167	6.5	5.8	0.123	0.351	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	3	6.2	6.074	6.5	5.8	0.136	0.369	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	3	0.631	0.844	1.585	0.316	0.436	0.661	**	**	**	**

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

Annual Analysis for 1970 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	11	12.2	13.364	26.1	3.3	80.577	8.976	3.52	4.4	21.1	25.76
00300 OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	11	9.8	9.809	13.8	5.8	4.501	2.122	6.2	8.4	11.	13.4
00400 PH (STANDARD UNITS)		08/06/68-01/27/78	11	6.3	6.191	6.7	5.5	0.147	0.383	5.54	6.	6.5	6.68
00400 CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	11	6.3	6.031	6.7	5.5	0.175	0.418	5.54	6.	6.5	6.68
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	11	0.501	0.931	3.162	0.2	0.825	0.908	0.21	0.316	1.	2.929
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-01/27/78	11	0.1	0.138	0.41	0.06	0.011	0.105	0.06	0.06	0.17	0.372
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-01/27/78	11	0.01	0.012	0.03	0.005	0.	0.007	0.005	0.01	0.01	0.028
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-09/01/76	11	0.3	0.365	0.78	0.02	0.048	0.22	0.048	0.27	0.5	0.762
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-01/27/78	11	0.6	0.632	1.299	0.3	0.089	0.298	0.3	0.4	0.8	1.229
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	2	200.	200.	300.	100.	20000.	141.421	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	2	2.239	2.239	2.477	2.	0.114	0.337	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		173.205									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-01/27/78	11##	0.05	0.052	0.1	0.025	0.001	0.026	0.025	0.025	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-01/27/78	11	0.03	0.064	0.4	0.01	0.013	0.113	0.012	0.02	0.05	0.332

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

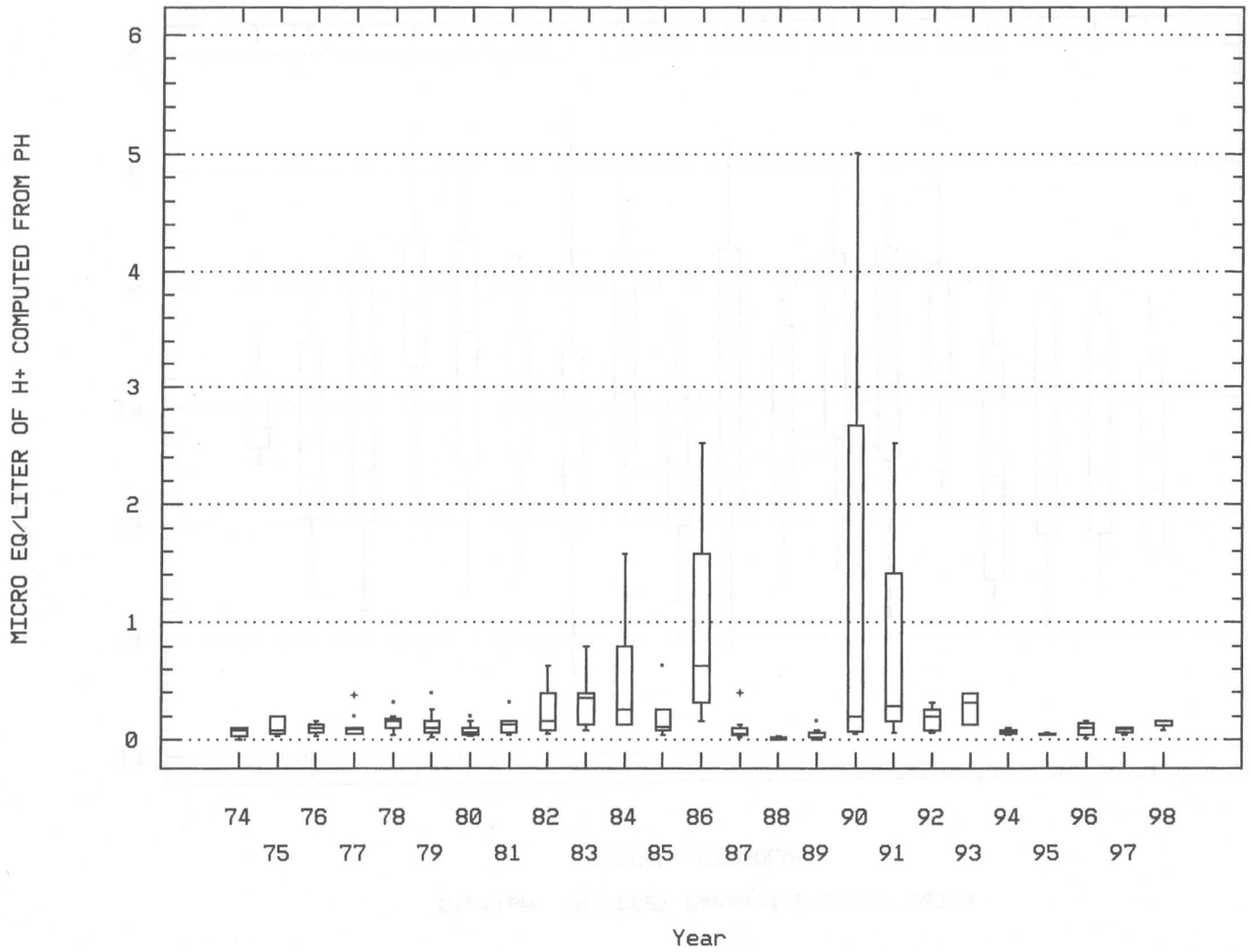
Annual Analysis for 1971 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	10	16.15	15.13	25.6	3.9	46.591	6.826	4.4	8.9	21.	25.26
00300 OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	10	9.8	10.07	13.	8.	2.493	1.579	8.04	8.85	11.575	12.88
00400 PH (STANDARD UNITS)		08/06/68-01/27/78	10	6.8	6.84	7.5	6.3	0.125	0.353	6.32	6.65	7.075	7.48
00400 CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	10	6.8	6.727	7.5	6.3	0.139	0.373	6.32	6.65	7.075	7.48
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	10	0.158	0.187	0.501	0.032	0.019	0.137	0.033	0.088	0.229	0.483
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-01/27/78	11	0.05	0.064	0.12	0.01	0.001	0.036	0.014	0.03	0.1	0.116
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-01/27/78	11	0.01	0.015	0.03	0.01	0.	0.007	0.01	0.01	0.02	0.028
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-09/01/76	11	0.19	0.418	1.189	0.07	0.137	0.37	0.078	0.14	0.63	1.129
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-01/27/78	11	0.4	0.409	0.7	0.2	0.029	0.17	0.2	0.3	0.5	0.7
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	11##	50.	877.273	8000.	50.	5616181.818	2369.848	50.	50.	400.	6520.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	11##	1.699	2.15	3.903	1.699	0.52	0.721	1.699	1.699	2.602	3.678

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

Station: FRSP0027 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 17/2 BRIDGE

Annual Analysis for 1974 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	10	0.357	2.38	19.953	0.251	38.17	6.178	0.251	0.3	0.626	18.057
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	10##	0.05	0.06	0.1	0.05	0.	0.021	0.05	0.05	0.063	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	10##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	10	0.42	0.404	0.68	0.12	0.04	0.201	0.121	0.205	0.6	0.672
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	10	0.6	0.57	0.8	0.3	0.027	0.164	0.31	0.4	0.7	0.79
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	9##	50.	144.444	800.	50.	60902.778	246.785	50.	50.	100.	800.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	9##	1.699	1.9	2.903	1.699	0.159	0.398	1.699	1.699	2.	2.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		79.37									
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	10##	0.05	0.07	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	10##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	3	16.7	14.833	22.2	5.6	71.503	8.456	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	3	9.2	9.133	10.4	7.8	1.693	1.301	**	**	**	**
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	3	6.5	6.7	7.3	6.3	0.28	0.529	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	3	6.5	6.539	7.3	6.3	0.319	0.565	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	3	0.316	0.289	0.501	0.05	0.051	0.227	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	3	0.1	0.117	0.2	0.05	0.006	0.076	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	3	0.28	0.24	0.28	0.16	0.005	0.069	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	3	0.6	0.633	0.9	0.4	0.063	0.252	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	2##	175.	175.	300.	50.	31250.	176.777	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	2##	2.088	2.088	2.477	1.699	0.303	0.55	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		122.474									
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	3	0.1	0.117	0.2	0.05	0.006	0.076	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	3##	0.05	0.04	0.05	0.02	0.	0.017	**	**	**	**

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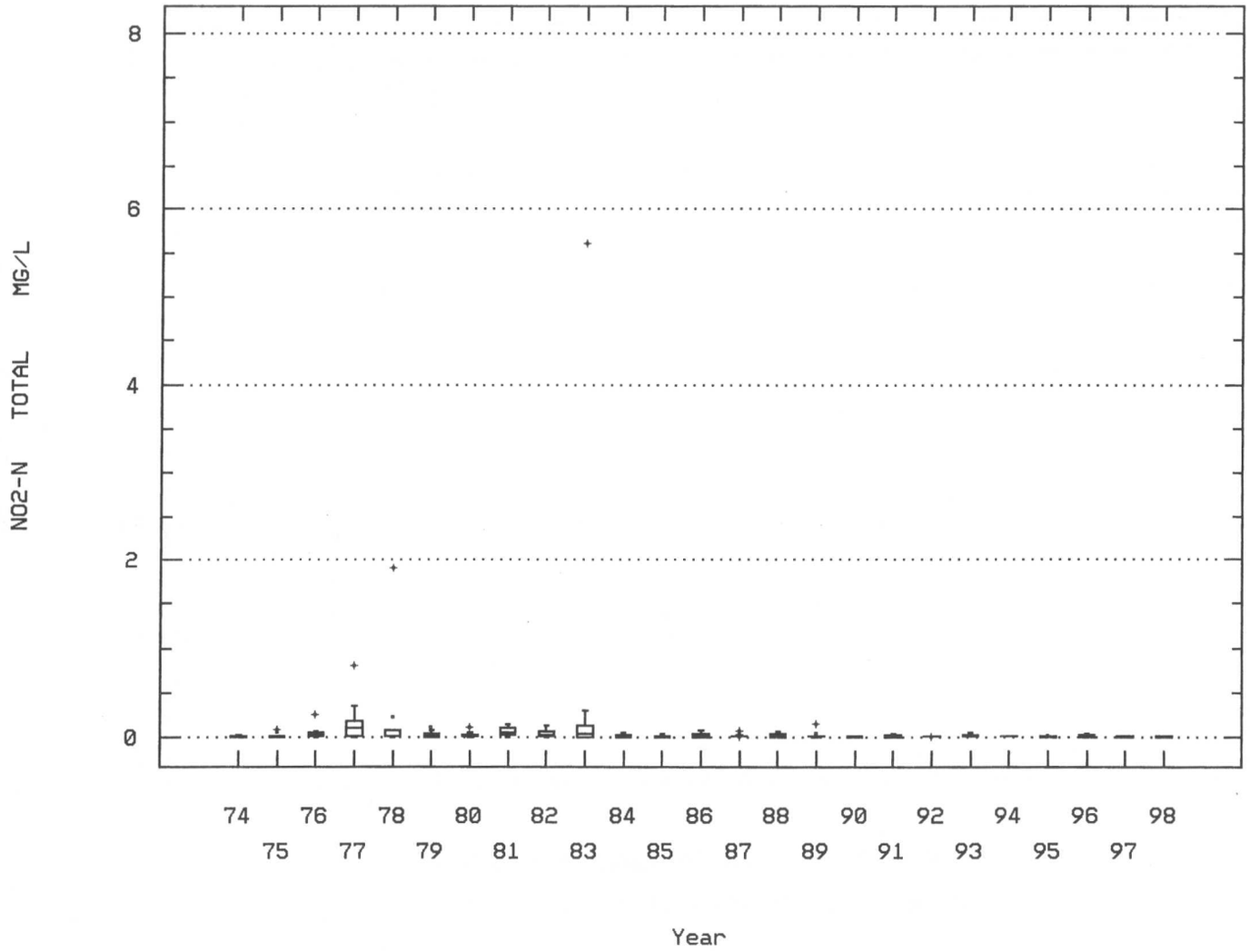
Annual Analysis for 1976 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	5	17.2	13.98	24.4	2.2	97.262	9.862	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	5	9.4	9.9	14.	7.2	8.29	2.879	**	**	**	**
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	5	7.	6.86	7.7	5.9	0.423	0.65	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	5	7.	6.474	7.7	5.9	0.609	0.78	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	5	0.1	0.336	1.259	0.02	0.27	0.52	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	5##	0.05	0.09	0.2	0.05	0.004	0.065	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	5##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	4	0.49	0.612	1.289	0.18	0.232	0.481	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	5	0.5	0.48	0.7	0.2	0.037	0.192	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	4##	75.	75.	100.	50.	833.333	28.868	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	4##	1.849	1.849	2.	1.699	0.03	0.174	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		70.711									
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	5##	0.05	0.09	0.2	0.05	0.004	0.065	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	5	0.05	0.054	0.1	0.02	0.001	0.03	**	**	**	**

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

Station: FRSP0027 Parameter Code: 00615

NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	28	22.2	22.011	26.1	14.4	10.32	3.212	16.64	20.725	24.4	25.6
00300 OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	28	8.	8.182	13.8	3.3	2.873	1.695	6.98	7.425	8.75	10.06
00400 PH (STANDARD UNITS)	08/06/68-01/27/78	28	6.6	6.579	7.5	5.5	0.234	0.483	5.89	6.325	6.95	7.31
00400 CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	28	6.6	6.312	7.5	5.5	0.307	0.554	5.89	6.325	6.95	7.31
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	28	0.251	0.487	3.162	0.032	0.435	0.66	0.049	0.115	0.475	1.292
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	23	0.1	0.279	4.5	0.005	0.85	0.922	0.01	0.05	0.13	0.2
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	24	0.01	0.015	0.07	0.005	0.	0.018	0.005	0.005	0.01	0.05
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	22	0.305	0.376	1.289	0.06	0.077	0.277	0.082	0.183	0.505	0.7
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	24	0.5	0.877	5.5	0.05	1.435	1.198	0.25	0.4	0.775	2.35
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-01/27/78	23	7.	7.391	14.	1.	10.885	3.299	2.	6.	10.	12.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	18##	75.	930.556	8000.	50.	4402687.908	2098.258	50.	50.	650.	5120.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	18##	1.849	2.234	3.903	1.699	0.548	0.74	1.699	1.699	2.809	3.703
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	171.341								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	24##	0.05	0.149	2.	0.025	0.157	0.396	0.05	0.05	0.1	0.15
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	24	0.04	0.116	1.899	0.005	0.145	0.38	0.018	0.02	0.05	0.08

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	27	5.	6.374	14.4	1.7	13.33	3.651	2.16	3.3	8.9	13.06
00300 OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	27	11.5	10.948	14.	5.8	3.328	1.824	8.38	10.	12.2	13.
00400 PH (STANDARD UNITS)	08/06/68-01/27/78	27	6.5	6.696	11.	5.5	0.977	0.989	5.94	6.3	6.8	7.54
00400 CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	27	6.5	6.289	11.	5.5	1.15	1.072	5.94	6.3	6.8	7.54
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	27	0.316	0.514	3.162	0.	0.473	0.688	0.029	0.158	0.501	1.199
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	27	0.07	0.094	0.41	0.03	0.006	0.078	0.046	0.05	0.1	0.192
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	27	0.01	0.009	0.03	0.005	0.	0.005	0.005	0.005	0.01	0.012
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	23	0.5	0.492	1.189	0.005	0.08	0.282	0.128	0.29	0.68	0.89
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	27	0.4	0.444	0.95	0.05	0.042	0.205	0.2	0.3	0.6	0.8
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-01/27/78	18	7.5	7.611	15.	1.	9.193	3.032	2.8	6.	9.	11.4
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	24##	50.	112.917	600.	10.	22569.384	150.231	50.	50.	50.	400.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	24##	1.699	1.835	2.778	1.	0.154	0.392	1.699	1.699	1.699	2.602
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	68.397								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	27##	0.05	0.07	0.2	0.05	0.002	0.042	0.05	0.05	0.1	0.12
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	27	0.03	0.047	0.4	0.005	0.005	0.074	0.009	0.02	0.05	0.068

** - 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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	18	16.7	15.956	25.	4.4	24.927	4.993	10.43	11.7	18.725	23.47
00300 OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	18	9.25	9.094	10.8	6.	1.344	1.159	7.8	8.2	9.85	10.62
00400 PH (STANDARD UNITS)	08/06/68-01/27/78	18	6.45	6.478	7.3	4.7	0.327	0.571	5.87	6.3	6.85	7.21
00400 CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	18	6.447	5.842	7.3	4.7	0.754	0.868	5.87	6.3	6.85	7.21
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	18	0.357	1.438	19.953	0.05	21.407	4.627	0.062	0.144	0.501	2.895
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	17	0.06	0.09	0.22	0.005	0.004	0.06	0.041	0.05	0.11	0.212
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	17##	0.005	0.009	0.02	0.005	0.	0.006	0.005	0.005	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	16	0.295	0.316	0.65	0.02	0.037	0.193	0.076	0.18	0.445	0.636
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	17	0.5	0.565	1.299	0.2	0.062	0.25	0.28	0.4	0.7	0.9
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-01/27/78	12	8.	8.167	16.	2.	18.333	4.282	2.3	5.	10.	15.7
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	13	100.	465.385	2500.	50.	651410.256	807.1	50.	50.	350.	2300.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	13	2.	2.212	3.398	1.699	0.361	0.601	1.699	1.699	2.54	3.359
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	162.76								

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	57	22.2	20.989	26.2	2.6	19.047	4.364	14.46	18.7	24.15	25.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	40	201.5	211.225	361.	83.	5740.025	75.763	124.2	156.75	260.	334.1
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		07/20/89-11/23/98	13	186.	173.538	217.	105.	1067.436	32.672	115.8	154.5	200.5	214.2
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	01/30/92-11/23/98	7	8.	7.943	9.2	6.9	0.836	0.914	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	49	7.8	7.863	11.3	5.	1.452	1.205	6.	7.35	8.6	9.2
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	45	1.	1.698	8.	0.5	1.563	1.25	0.8	1.	2.	3.
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	45	12.	12.	26.	0.02	37.035	6.086	5.6	8.	15.5	21.
00400 PH (STANDARD UNITS)		09/03/74-11/23/98	57	7.	7.037	9.7	6.1	0.291	0.539	6.4	6.8	7.3	7.6
00400 CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	57	7.	6.805	9.7	6.1	0.346	0.588	6.4	6.8	7.3	7.6
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/03/74-11/23/98	57	0.1	0.157	0.794	0.	0.03	0.172	0.025	0.05	0.158	0.398
00403 PH, LAB, STANDARD UNITS	SU	07/26/83-11/23/98	27	6.8	6.919	8.8	6.4	0.203	0.451	6.48	6.7	7.	7.32
00403 CONVERTED PH, LAB, STANDARD UNITS		07/26/83-11/23/98	27	6.8	6.796	8.8	6.4	0.219	0.468	6.48	6.7	7.	7.32
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/26/83-11/23/98	27	0.158	0.16	0.398	0.002	0.009	0.096	0.048	0.1	0.2	0.333
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		07/26/83-11/23/98	27	28.	27.481	42.	10.	67.182	8.196	15.	22.	35.	36.4
00500 RESIDUE, TOTAL (MG/L)		07/03/79-11/23/98	19	113.	118.421	154.	82.	398.146	19.954	84.	106.	135.	143.
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/03/79-11/23/98	19	28.	38.632	200.	17.	1578.135	39.726	22.	25.	35.	49.
00510 RESIDUE, TOTAL FIXED (MG/L)		07/03/79-11/23/98	19	91.	120.895	700.	57.	19923.433	141.15	60.	82.	105.	108.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/03/79-11/23/98	46	5.5	14.413	229.	0.5	1296.114	36.002	1.35	2.5	9.25	28.1
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/03/79-11/23/98	46	2.5	3.717	23.	0.5	14.618	3.823	1.	1.875	4.	9.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/03/79-11/23/98	46	3.	11.543	206.	0.5	1054.265	32.469	0.5	2.5	6.	20.3
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		09/03/74-11/23/98	54	0.11	0.442	9.5	0.02	1.896	1.377	0.05	0.093	0.2	0.7
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	55	0.04	0.187	5.6	0.005	0.618	0.786	0.008	0.02	0.07	0.134
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		09/03/74-11/23/98	49	1.25	2.129	7.9	0.02	4.071	2.018	0.45	0.605	3.045	5.449
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		09/03/74-11/23/98	55	0.5	0.845	11.6	0.1	2.505	1.583	0.3	0.4	0.8	1.34
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/03/79-11/23/98	43	0.1	0.627	11.8	0.05	4.065	2.016	0.05	0.1	0.2	0.52
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/03/79-03/17/92	34	0.075	0.659	11.	0.01	4.335	2.082	0.015	0.03	0.135	2.25
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/03/79-07/01/96	42	4.55	5.224	14.3	1.	7.135	2.671	2.83	3.425	6.25	8.85
00900 HARDNESS, TOTAL (MG/L AS CACO3)		07/22/87-11/23/98	23	54.	56.217	80.	31.	241.632	15.545	38.	42.	76.	78.
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/12/88-11/23/98	15	21.	22.333	52.	9.	94.381	9.715	11.4	17.	25.	38.2
00945 SULFATE, TOTAL (MG/L AS SO4)		11/14/88-11/23/98	14	14.	14.5	20.	11.	7.962	2.822	11.	11.75	17.	19.
01002 ARSENIC, TOTAL (UG/L AS AS)		10/21/75-09/15/94	10##	0.75	1.95	5.	0.5	4.469	2.114	0.5	0.5	5.	5.
01027 CADMIUM, TOTAL (UG/L AS CD)		05/06/75-09/15/94	10##	1.	5.15	30.	0.5	85.503	9.247	0.5	0.5	6.25	28.
01034 CHROMIUM, TOTAL (UG/L AS CR)		05/06/75-09/15/94	10##	3.	6.85	25.	0.5	78.725	8.873	0.5	0.5	12.5	24.5
01042 COPPER, TOTAL (UG/L AS CU)		05/06/75-09/15/94	10##	7.5	15.	70.	5.	411.111	20.276	5.	5.	13.75	65.5
01051 LEAD, TOTAL (UG/L AS PB)		05/06/75-09/15/94	10##	2.	3.5	10.	1.	9.889	3.145	1.	1.	5.5	9.7
01067 NICKEL, TOTAL (UG/L AS NI)		10/09/79-09/15/94	10##	5.	15.5	50.	5.	285.833	16.907	5.	5.	28.75	49.
01092 ZINC, TOTAL (UG/L AS ZN)		05/06/75-09/15/94	10	22.5	37.1	110.	5.	1122.989	33.511	5.5	10.75	62.5	106.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	44	500.	1854.545	8000.	50.	7792071.882	2791.428	75.	200.	1925.	8000.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/03/74-11/23/98	44	2.699	2.775	3.903	1.699	0.465	0.682	1.849	2.301	3.283	3.903
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	595.705								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		09/03/74-11/23/98	20	0.075	0.179	1.7	0.02	0.138	0.371	0.02	0.04	0.108	0.344
71900 MERCURY, TOTAL (UG/L AS HG)		05/06/75-09/15/94	10##	0.15	0.15	0.15	0.15	0.	0.	0.15	0.15	0.15	0.15

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/03/74-11/23/98	90	6.4	6.938	17.	0.5	17.188	4.146	1.71	3.4	10.	12.99
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/03/79-11/23/98	57	153.	349.421	8520.	76.	1259879.748	1122.444	108.8	114.5	198.5	299.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		07/20/89-11/23/98	21	146.	173.429	710.	76.	16076.857	126.795	107.	127.5	180.	188.8
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	01/30/92-11/23/98	15	11.5	11.593	13.5	8.4	2.238	1.496	9.	10.9	12.9	13.38
00300 OXYGEN, DISSOLVED	MG/L	09/03/74-11/13/91	75	11.5	11.399	14.6	6.9	2.513	1.585	9.26	10.2	12.7	13.34
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/13/79-11/23/98	62	2.	2.118	8.	0.5	2.991	1.729	1.	1.	2.	4.7
00340 COD, .25N K2CR2O7	MG/L	07/03/79-11/23/98	63	9.	11.762	60.	1.	84.442	9.189	4.4	7.	13.	23.8
00400 PH (STANDARD UNITS)		09/03/74-11/23/98	87	7.	7.016	10.39	5.6	0.463	0.681	6.39	6.7	7.3	7.722
00400 CONVERTED PH (STANDARD UNITS)		09/03/74-11/23/98	87	7.	6.65	10.39	5.6	0.599	0.774	6.39	6.7	7.3	7.722

** - Less than 9 observations ## - Computed 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: FRSP0029

NPS Station ID: FRSP0029 LAT/LON: 38.308337/ -77.458338 Agency: 11NPSWRD Date Created: 10/10/98
Location: RAPPAHANNOCK RIVER TIDAL FLAT
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080104 Depth of Water: 0
Major Basin: NORTH ATLANTIC Elevation: 0
Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST
RF1 Index: 02080104 RF1 Mile Point: 0.000
RF3 Index: RF3 Mile Point: 0.00
FIPS State/County: 51179 VIRGINIA/STAFFORD
STORET Station ID(s): FRSP_NPS_08
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.00 On/Off RF3:

Description:

THE STATION IS LOCATED ON THE FREDERICKSBURG; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 08 IS AT THE RAPPAHANNOCK RIVER AT A TIDAL FLAT BELOW CHATHAM HEIGHTS AT THE FREDERICKSBURG BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 8052 (TEL. 970-225-3556).

Parameter Inventory for Station: FRSP0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/25/95-12/01/95	2	13.4	13.4	16.4	10.4	18.	4.243	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/25/95-12/01/95	2	1.2	1.2	2.	0.4	1.28	1.131	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		09/25/95-12/01/95	2	80.5	80.5	81.	80.	0.5	0.707	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	09/25/95-12/01/95	2	11.4	11.4	12.8	10.	3.92	1.98	**	**	**	**
00406 PH, FIELD, STANDARD UNITS	SU	09/25/95-12/01/95	2	6.285	6.285	6.4	6.17	0.026	0.163	**	**	**	**
00406 CONVERTED PH, FIELD, STANDARD UNITS		09/25/95-12/01/95	2	6.27	6.27	6.4	6.17	0.027	0.164	**	**	**	**
00406 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/25/95-12/01/95	2	0.537	0.537	0.676	0.398	0.039	0.197	**	**	**	**
61272 INVALID PARAMETER		09/25/95-12/01/95	2	0.35	0.35	0.5	0.2	0.045	0.212	**	**	**	**
61277 INVALID PARAMETER		09/25/95-12/01/95	2	0.175	0.175	0.2	0.15	0.001	0.035	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		09/25/95-12/01/95	2	40.	40.	40.	40.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	35	2.5	5.557	54.	1.	113.305	10.645	1.	1.5	3.	11.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	35	3.	22.929	334.	0.	5749.796	75.827	1.5	2.5	7.	16.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	48	0.1	0.462	4.	0.02	0.681	0.825	0.04	0.05	0.475	1.33
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	48	0.01	0.05	0.8	0.005	0.014	0.119	0.005	0.005	0.048	0.13
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	40	0.665	0.896	2.51	0.02	0.423	0.65	0.381	0.45	1.1	2.082
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	46	0.5	0.926	5.699	0.1	1.377	1.174	0.2	0.3	1.099	2.13
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	33	0.1	0.15	0.8	0.05	0.032	0.178	0.05	0.05	0.155	0.46
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	28	0.05	0.132	0.8	0.02	0.036	0.19	0.02	0.033	0.108	0.429
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	33	4.7	5.555	16.7	0.5	13.737	3.706	1.4	3.4	6.5	10.68
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	13	36.	73.692	520.	26.	18073.064	134.436	26.4	28.	48.	334.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/12/88-11/23/98	11	15.	15.091	27.	7.	34.291	5.856	7.4	10.	19.	25.6
00945	SULFATE, TOTAL (MG/L AS SO4)	11/14/88-11/23/98	11	13.	12.727	16.	10.	4.218	2.054	10.	11.	14.	15.8
01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-09/15/94	2##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-09/15/94	3##	5.	5.667	7.	5.	1.333	1.155	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-09/15/94	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-09/15/94	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-09/15/94	3##	1.5	3.	7.	0.5	12.25	3.5	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-09/15/94	3##	5.	10.	20.	5.	75.	8.66	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	43	100.	789.535	6000.	50.	1851614.064	1360.74	50.	100.	900.	2700.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	43	2.	2.407	3.778	1.699	0.412	0.642	1.699	2.	2.954	3.43
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	255.458								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	20	0.045	0.317	2.6	0.01	0.384	0.62	0.01	0.02	0.3	1.229
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-09/15/94	3##	0.25	0.55	1.25	0.15	0.37	0.608	**	**	**	**

** - Less than 9 observations ## - Computed 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: FRSP0030

NPS Station ID: FRSP0030 LAT/LON: 38.291115/ -77.470559 Agency: 21VASWCB Date Created: 05/18/98
Location: LAFAYETTE BLVD.
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080104 Depth of Water: 0
Major Basin: 02-NORTH ATLANTIC Elevation: 0
Minor Basin: 3-RAPPAHANOCK
RF1 Index: 02080104 RF1 Mile Point: 0.000
RF3 Index: RF3 Mile Point: 0.00
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING
RIVER: HAZEL RUN SECTION: 04

FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
STORET Station ID(s): 3-HAL001.44
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.00 On/Off RF3:

BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
TOPO MAP #: 182C TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0030

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

******** No Parameter Data Available for this Station ********

Parameter Inventory for Station: FRSP0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/06/68-10/06/70	14	3.371	3.383	4.633	2.362	0.403	0.635	2.498	2.885	3.663	4.498
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506		GEOMETRIC MEAN =		2417.704								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	55##	50.	463.818	8000.	10.	1667742.559	1291.411	50.	50.	300.	1080.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	55##	1.699	2.055	3.903	1.	0.356	0.597	1.699	1.699	2.477	3.012
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		113.385								
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-07/21/76	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	68##	0.05	0.094	2.	0.025	0.056	0.237	0.05	0.05	0.088	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	68	0.04	0.073	1.899	0.005	0.053	0.23	0.01	0.02	0.05	0.1
71900 MERCURY, TOTAL (UG/L AS HG)	09/02/70-03/17/77	14##	0.25	0.514	2.7	0.25	0.507	0.712	0.25	0.25	0.25	2.1

** - 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: FRSP0028

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	73	1	0.01	28	1	0.04	27	0	0.00	18	0	0.00			
00400 PH	Fresh Chronic	9.	73	1	0.01	28	0	0.00	27	1	0.04	18	0	0.00			
	Other-Lo Lim.	6.5	73	39	0.53	28	13	0.46	27	15	0.56	18	11	0.61			
00403 PH, LAB	Fresh Chronic	9.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
	Other-Lo Lim.	6.5	9	9	1.00	2	2	1.00	3	3	1.00	4	4	1.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	68	0	0.00	24	0	0.00	27	0	0.00	17	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	61	0	0.00	22	0	0.00	23	0	0.00	16	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	53	0	0.00	23	0	0.00	18	0	0.00	12	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
	Drinking Water	50.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	16	2	0.13	3	0	0.00	7	1	0.14	6	1	0.17			
	Drinking Water	1300.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	13	0	0.00	3	0	0.00	6	0	0.00	4	0	0.00			
	Drinking Water	15.	13	0	0.00	3	0	0.00	6	0	0.00	4	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00				3	0	0.00	1	0	0.00			
	Drinking Water	100.	4	0	0.00				3	0	0.00	1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0.00			
	Drinking Water	5000.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	14	10	0.71	8	6	0.75	2	1	0.50	4	3	0.75			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	55	15	0.27	18	6	0.33	24	4	0.17	13	5	0.38			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	1	0	0.00	1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	14	1	0.07	4	0	0.00	6	1	0.17	4	0	0.00			
	Drinking Water	2.	14	1	0.07	4	0	0.00	6	1	0.17	4	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: FRSP0031

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	2	0.50	1	0	0.00	3	2	0.67						
00406 PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	3	0	0.00						
	Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	3	3	1.00						

& - 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 1971 - Station FRSP0028

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 =		141.349									
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-01/27/78	11##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-01/27/78	11	0.04	0.046	0.11	0.01	0.001	0.034	0.012	0.02	0.05	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

Annual Analysis for 1972 - Station FRSP0028

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	12	13.35	13.892	25.6	3.3	50.617	7.115	3.81	8.725	19.175	25.24
00300	OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	12	9.7	9.667	12.4	6.	3.937	1.984	6.48	8.15	11.65	12.34
00400	PH (STANDARD UNITS)		08/06/68-01/27/78	12	6.6	6.667	7.5	6.	0.277	0.526	6.	6.125	7.15	7.47
00400	CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	12	6.589	6.418	7.5	6.	0.344	0.587	6.	6.125	7.15	7.47
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	12	0.258	0.382	1.	0.032	0.15	0.387	0.034	0.072	0.829	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-01/27/78	12	0.09	0.083	0.21	0.005	0.004	0.067	0.005	0.015	0.1	0.204
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-01/27/78	12	0.01	0.01	0.02	0.005	0.	0.003	0.007	0.01	0.01	0.017
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-09/01/76	12	0.345	0.384	0.89	0.06	0.057	0.239	0.072	0.195	0.565	0.8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-01/27/78	12	0.45	0.396	0.6	0.05	0.025	0.157	0.095	0.3	0.5	0.57
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	11##	50.	386.364	2500.	50.	530545.455	728.386	50.	50.	400.	2120.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	11##	1.699	2.116	3.398	1.699	0.377	0.614	1.699	1.699	2.602	3.274
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		130.535									
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-01/27/78	12##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-01/27/78	12	0.025	0.03	0.07	0.01	0.	0.018	0.012	0.02	0.038	0.067

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

Annual Analysis for 1973 - Station FRSP0028

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	10	13.85	14.16	25.6	4.4	57.778	7.601	4.46	5.825	21.65	25.37
00300	OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	10	8.9	9.55	13.	7.5	3.527	1.878	7.53	7.95	11.	12.86
00400	PH (STANDARD UNITS)		08/06/68-01/27/78	10	6.75	7.09	11.	6.	1.99	1.411	6.04	6.475	7.	10.6
00400	CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	10	6.747	6.57	11.	6.	2.29	1.513	6.04	6.475	7.	10.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	10	0.179	0.269	1.	0.	0.081	0.285	0.01	0.1	0.337	0.94
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-01/27/78	10	0.085	0.536	4.5	0.05	1.943	1.394	0.05	0.05	0.193	4.07
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-01/27/78	10##	0.005	0.013	0.07	0.005	0.	0.02	0.005	0.005	0.01	0.064
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-09/01/76	10	0.435	0.421	0.73	0.005	0.046	0.215	0.028	0.275	0.575	0.722
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-01/27/78	10	0.65	1.09	5.5	0.2	2.47	1.572	0.22	0.4	0.925	5.05
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	10##	50.	251.	2000.	10.	378343.333	615.096	14.	50.	100.	1810.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	10##	1.699	1.849	3.301	1.	0.334	0.578	1.07	1.699	2.	3.171
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		70.711									
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-01/27/78	10##	0.05	0.27	2.	0.05	0.372	0.61	0.05	0.05	0.125	1.82
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-01/27/78	10##	0.05	0.235	1.899	0.02	0.342	0.585	0.021	0.045	0.063	1.719

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0028

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	10	20.	16.56	25.	2.2	67.563	8.22	2.76	8.625	23.45	24.89
00300	OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	10	8.2	9.02	12.4	7.1	2.806	1.675	7.16	7.925	10.4	12.26
00400	PH (STANDARD UNITS)		08/06/68-01/27/78	10	6.45	6.24	6.6	4.7	0.325	0.57	4.83	6.225	6.525	6.6
00400	CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	10	6.447	5.623	6.6	4.7	0.747	0.865	4.83	6.225	6.525	6.6

** - 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

Parameter Inventory for Station: FRSP0032

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040 COPPER, DISSOLVED (UG/L AS CU)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	07/30/70-07/30/70	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/30/70-07/30/70	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/12/70-06/25/70	5	460.	392.6	710.	33.	73178.8	270.516	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/12/70-06/25/70	5	2.663	2.419	2.851	1.519	0.292	0.541	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	262.435								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/12/70-06/25/70	5	0.	0.014	0.06	0.	0.001	0.026	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0032

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				2	0	0.00	3	0	0.00			
00400 PH	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
	Other-Lo Lim.	6.5	4	0	0.00				2	0	0.00	2	0	0.00			
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
	Drinking Water	250.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
	Drinking Water	50.	1	0	0.00	1	0	0.00									
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									
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040 COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049 LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
	Drinking Water	15.	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									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	4	0.80				2	2	1.00	3	2	0.67			

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

Annual Analysis for 1977 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	5	21.	16.94	25.	1.7	94.768	9.735	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	5	8.6	7.5	10.	3.3	6.82	2.612	**	**	**	**
00400 PH (STANDARD UNITS)		08/06/68-01/27/78	5	6.8	6.84	7.	6.7	0.023	0.152	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	5	6.8	6.82	7.	6.7	0.024	0.153	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	5	0.158	0.152	0.2	0.1	0.002	0.05	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-01/27/78	4	0.1	0.113	0.2	0.05	0.004	0.063	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-01/27/78	5##	0.005	0.018	0.07	0.005	0.001	0.029	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-01/27/78	5	0.4	1.1	3.699	0.4	2.119	1.456	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	5	300.	1340.	4800.	50.	4101750.	2025.278	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	5	2.477	2.546	3.681	1.699	0.781	0.884	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		351.948									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-01/27/78	5##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-01/27/78	5	0.01	0.016	0.03	0.005	0.	0.013	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/06/68-01/27/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	08/06/68-01/27/78	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		08/06/68-01/27/78	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		08/06/68-01/27/78	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/06/68-01/27/78	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-01/27/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-01/27/78	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-01/27/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-01/27/78	1##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		50.									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		02/03/70-01/27/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/03/70-01/27/78	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 box-and-whisker plot

Parameter Inventory for Station: FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/21/96-12/23/96	47	0.5	0.534	0.9	0.2	0.027	0.163	0.3	0.4	0.6	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	359	0.05	0.133	1.5	0.005	0.033	0.182	0.02	0.03	0.17	0.36
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	393	0.02	0.025	0.13	0.	0.	0.017	0.01	0.01	0.03	0.05
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	02/20/96-06/21/96	22	0.047	0.13	1.16	0.009	0.059	0.243	0.012	0.013	0.151	0.255
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	458	0.01	0.016	0.09	0.002	0.	0.012	0.005	0.009	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	313	3.9	5.116	106.	1.1	54.8	7.403	2.1	2.7	5.9	8.1
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	02/20/96-06/21/96	21	2.4	2.643	13.	0.1	9.288	3.048	0.22	0.4	4.	5.82
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/30/92-03/15/94	2	26.5	26.5	28.	25.	4.5	2.121	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/26/98-10/26/98	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/26/98-10/26/98	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/27/92-04/27/92	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	01/10/88-12/10/98	387	9.9	9.93	53.	0.1	14.285	3.78	6.7	8.4	11.1	12.4
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/26/98-10/26/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/26/98-10/26/98	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/16/88-08/16/88	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/26/98-10/26/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/26/98-10/26/98	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/98-10/26/98	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/26/98-10/26/98	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/26/98-10/26/98	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01057	THALLIUM, DISSOLVED (UG/L AS TL)	10/26/98-10/26/98	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/26/98-10/26/98	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/26/98-10/26/98	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/26/98-10/26/98	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	10/26/98-10/26/98	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/26/98-10/26/98	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	70	8450.	8365.714	14000.	4200.	3910111.801	1977.4	5910.	6900.	9700.	10500.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/26/98-10/26/98	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/08/95-06/08/95	1##	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/08/95-06/08/95	1##	0.954	0.954	0.954	0.954	0.	0.				
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)		GEOMETRIC MEAN =		9.								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	2	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/07/98-10/07/98	2	0.28	0.28	0.28	0.28	0.	0.	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	2##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	2##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/07/98-10/07/98	2	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO.BEFORE/AFTER ACID	10/07/98-10/07/98	2	1.22	1.22	1.22	1.22	0.	0.	**	**	**	**
49567	PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP.WTR MG/L	03/14/95-12/10/98	59	0.017	0.09	1.15	0.001	0.036	0.19	0.004	0.008	0.059	0.26
49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	59	0.521	1.864	24.	0.	13.64	3.693	0.2	0.293	2.095	5.4
49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	57	0.054	0.295	3.6	0.	0.443	0.666	0.023	0.032	0.19	0.832
49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	59	0.73	0.687	1.025	0.2	0.052	0.228	0.284	0.53	0.88	0.936
49572	PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	59	0.024	0.029	0.073	0.003	0.	0.018	0.011	0.015	0.041	0.061
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/94-07/08/94	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/26/98-10/26/98	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71994	VOLUME OF WATER FILTERED LITERS	10/07/98-10/07/98	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FRSP0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	5	0	0.00	1	0	0.00	4	0	0.00						
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	140	33	0.24	41	10	0.24	59	18	0.31	40	5	0.13			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	399	0	0.00	104	0	0.00	186	0	0.00	109	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	52	0	0.00	17	0	0.00	22	0	0.00	13	0	0.00			
00400	PH	Fresh Chronic	9.	441	7	0.02	115	1	0.01	199	6	0.03	127	0	0.00			
		Other-Lo Lim.	6.5	441	36	0.08	115	9	0.08	199	18	0.09	127	9	0.07			
00403	PH, LAB	Fresh Chronic	9.	80	0	0.00	20	0	0.00	24	0	0.00	36	0	0.00			
		Other-Lo Lim.	6.5	80	7	0.09	20	0	0.00	24	6	0.25	36	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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	17##	0.05	0.053	0.1	0.025	0.	0.02	0.025	0.05	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	17	0.05	0.052	0.11	0.01	0.001	0.03	0.018	0.025	0.06	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

Annual Analysis for 1986 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	11	23.	18.218	29.8	5.	97.338	9.866	5.	5.	25.5	29.8
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	11	75.	77.273	95.	60.	126.818	11.261	62.	70.	85.	95.
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	11	0.	0.018	0.1	0.	0.002	0.04	0.	0.	0.	0.1
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	11	9.1	9.582	13.2	7.3	4.838	2.199	7.3	8.	12.	13.2
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	11	8.74	8.166	9.29	6.57	1.266	1.125	6.596	6.7	9.21	9.29
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	11	8.74	7.187	9.29	6.57	2.321	1.524	6.596	6.7	9.21	9.29
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	11	0.002	0.065	0.269	0.001	0.011	0.103	0.001	0.001	0.2	0.255
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	11##	0.025	0.034	0.05	0.025	0.	0.013	0.025	0.025	0.05	0.05
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	11##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	11##	0.025	0.181	1.	0.025	0.088	0.296	0.025	0.025	0.33	0.866
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	11	0.7	0.673	1.1	0.4	0.07	0.265	0.4	0.4	0.8	1.1
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	11	0.04	0.04	0.06	0.02	0.	0.013	0.02	0.03	0.05	0.058
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	11	0.02	0.023	0.03	0.01	0.	0.008	0.01	0.02	0.03	0.03
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	11	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.028
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	11	5.	5.182	6.	4.	0.564	0.751	4.	5.	6.	6.
01140 SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	11	6900.	7690.909	14000.	4200.	7628909.091	2762.048	4200.	6700.	9800.	13160.

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	12	14.4	15.583	30.	3.5	102.756	10.137	3.65	4.425	27.	29.67
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	11	60.	64.091	97.	45.	347.891	18.652	45.6	50.	85.	95.6
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	10	0.	0.6	6.	0.	3.6	1.897	0.	0.	0.	5.4
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	12	10.8	10.3	13.	6.9	5.709	2.389	6.93	7.675	12.725	12.97
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	11	8.13	7.933	9.01	6.74	0.626	0.791	6.748	7.17	8.56	8.944
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	11	8.13	7.35	9.01	6.74	0.999	1.	6.748	7.17	8.56	8.944
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	11	0.007	0.045	0.182	0.001	0.005	0.068	0.001	0.003	0.068	0.179
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	0.05	0.053	0.1	0.025	0.001	0.029	0.025	0.025	0.078	0.1
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.009	0.017
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	0.425	0.485	1.2	0.025	0.142	0.377	0.033	0.105	0.775	1.11
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	12	0.4	0.413	0.9	0.05	0.048	0.22	0.095	0.3	0.575	0.81
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	12	0.04	0.049	0.15	0.01	0.001	0.036	0.013	0.03	0.058	0.126
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	12	0.025	0.027	0.04	0.01	0.	0.012	0.01	0.02	0.04	0.04
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	12	0.01	0.013	0.05	0.005	0.	0.013	0.005	0.005	0.01	0.041
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	9	5.	4.889	7.	3.	1.611	1.269	3.	4.	6.	7.
01140 SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	12	9400.	9000.	13000.	6100.	4367272.727	2089.802	6220.	6700.	10500.	12250.

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	26	9.65	11.285	31.3	0.6	84.985	9.219	1.26	3.8	15.95	30.15
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	4	2.9	8.725	27.	2.1	148.576	12.189	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	26	90.	90.769	135.	52.	450.905	21.235	60.	82.5	95.	134.3
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	14	93.	99.857	135.	85.	300.286	17.329	85.	89.	109.25	132.
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	25	11.1	11.276	14.8	6.7	5.388	2.321	8.04	9.35	13.65	14.02
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	25	7.4	7.522	8.94	6.33	0.433	0.658	6.62	7.145	7.79	8.686
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	25	7.4	7.134	8.94	6.33	0.59	0.768	6.62	7.145	7.79	8.686
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	25	0.04	0.073	0.468	0.001	0.012	0.108	0.002	0.017	0.072	0.246
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	23	2.	6.348	50.	0.5	161.01	12.689	0.5	2.	4.	28.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	23	2.	2.065	10.	0.5	4.893	2.212	0.5	0.5	2.	5.4

** - 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

EPA Water Quality Criteria Analysis for Station: FRSP0029

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00406 PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
	Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						

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

Annual Analysis for 1990 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	4.	11.445	100.	0.5	357.441	18.906	1.	2.	13.	33.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	9.	71.045	744.	0.5	20425.475	142.918	0.5	2.	84.	234.8
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.04	0.045	0.27	0.02	0.002	0.045	0.02	0.02	0.05	0.07
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55##	0.005	0.012	0.3	0.005	0.002	0.04	0.005	0.005	0.005	0.014
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.59	0.518	1.02	0.02	0.076	0.276	0.032	0.32	0.69	0.852
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	55	0.4	0.576	2.9	0.1	0.241	0.491	0.2	0.3	0.7	1.2
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	55	0.05	0.136	1.1	0.005	0.034	0.184	0.02	0.03	0.2	0.37
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	55	0.02	0.018	0.06	0.005	0.	0.011	0.005	0.01	0.03	0.03
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	55	0.01	0.015	0.05	0.005	0.	0.01	0.005	0.01	0.02	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	54	3.3	3.889	9.	1.1	4.007	2.002	1.85	2.4	5.2	7.15
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	55	9.6	9.389	13.	3.9	4.436	2.106	6.5	7.9	11.	12.2

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

Annual Analysis for 1991 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	53	10.3	13.44	28.3	1.	74.747	8.646	3.4	6.65	23.25	27.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	53	77.	79.849	120.	8.	331.438	18.205	63.4	71.	88.	109.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	19	73.	74.211	100.	65.	61.064	7.814	67.	69.	76.	82.
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	53	10.8	10.321	14.	6.4	5.38	2.319	7.08	8.05	12.25	13.48
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	51	7.1	7.146	8.1	6.2	0.152	0.39	6.72	6.9	7.37	7.626
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	51	7.1	6.976	8.1	6.2	0.182	0.427	6.72	6.9	7.37	7.626
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	51	0.079	0.106	0.631	0.008	0.013	0.113	0.024	0.043	0.126	0.191
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	52	11.5	49.038	310.	1.5	5639.94	75.1	1.5	2.25	68.5	144.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	52	2.	6.962	39.	1.	88.646	9.415	1.	1.5	9.	18.7
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	52	9.5	41.269	271.	1.	4287.475	65.479	1.5	1.625	57.25	126.1
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	52##	0.02	0.038	0.1	0.02	0.001	0.025	0.02	0.02	0.048	0.08
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	52##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	52	0.615	0.539	0.95	0.02	0.081	0.285	0.02	0.4	0.76	0.827
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	52	0.4	0.482	1.6	0.05	0.116	0.34	0.2	0.3	0.6	1.
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	52	0.05	0.116	0.5	0.01	0.016	0.128	0.02	0.03	0.168	0.313
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	52	0.02	0.025	0.08	0.005	0.	0.016	0.007	0.01	0.03	0.05
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	52	0.015	0.018	0.06	0.005	0.	0.012	0.005	0.01	0.02	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	52	3.25	3.713	8.8	1.2	2.915	1.707	1.86	2.625	4.375	6.5
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	52	9.9	9.462	13.	4.2	4.148	2.037	6.49	8.375	11.	11.85

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

Annual Analysis for 1992 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	55	11.5	12.455	27.8	2.	41.156	6.415	4.8	6.5	17.	20.9
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	56	76.	75.321	95.	57.	76.949	8.772	62.	70.	82.	87.
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	56	10.	10.336	14.4	7.4	2.73	1.652	8.37	9.1	11.675	12.46
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	53	7.13	7.164	8.6	6.1	0.277	0.526	6.5	6.8	7.45	8.
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	53	7.13	6.915	8.6	6.1	0.341	0.584	6.5	6.8	7.45	8.
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	53	0.074	0.122	0.794	0.003	0.019	0.137	0.01	0.036	0.158	0.316
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	25.	84.745	705.	1.	18030.323	134.277	1.8	4.	122.	233.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	54	4.	11.194	90.	0.	280.438	16.746	1.	1.	15.	30.5
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	22.	73.873	615.	1.	13831.65	117.608	1.5	3.	107.	203.4
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	57##	0.02	0.036	0.14	0.02	0.001	0.028	0.02	0.02	0.048	0.08

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

Station Inventory for Station: FRSP0031

NPS Station ID: FRSP0031 LAT/LON: 38.291670/ -77.470838 Agency: 11NPSWRD Date Created: 10/10/98
Location: UNNAMED TRIBUTARY TO HAZEL RUN
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080104 Depth of Water: 0
Major Basin: NORTH ATLANTIC Elevation: 0
Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST
RF1 Index: 02080104 RF1 Mile Point: 0.000
RF3 Index: RF3 Mile Point: 0.00
Description:

THE STATION IS LOCATED ON THE FREDERICKSBURG; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 07 IS AT AN UNNAMED TRIBUTARY TO HAZEL RUN AT MARY'S HEIGHTS NATIONAL CEMETERY AT THE FREDERICKSBURG BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

Fips State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
STORET Station ID(s): FRSP_NPS_07
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.00 On/Off RF3:

Parameter Inventory for Station: FRSP0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/22/95-12/01/95	2	14.4	14.4	20.	8.8	62.72	7.92	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/22/95-02/01/96	2	6.65	6.65	16.7	-3.4	202.005	14.213	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/01/95-02/15/96	3	3.	2.333	3.	1.	1.333	1.155	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/95-12/01/95	2	77.	77.	83.	71.	72.	8.485	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/22/95-02/15/96	4	6.	6.6	12.	2.4	21.84	4.673	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/22/95-02/15/96	4	5.77	5.663	6.43	4.68	0.53	0.728	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/22/95-02/15/96	4	5.763	5.209	6.43	4.68	0.804	0.897	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/22/95-02/15/96	4	1.727	6.18	20.893	0.372	96.688	9.833	**	**	**	**
61272	INVALID PARAMETER	09/22/95-02/15/96	4	0.9	0.775	1.	0.3	0.109	0.33	**	**	**	**
61277	INVALID PARAMETER	09/22/95-02/15/96	4	0.235	0.23	0.25	0.2	0.001	0.024	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/22/95-12/01/95	2	39.	39.	42.	36.	18.	4.243	**	**	**	**

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

Annual Analysis for 1994 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	17	0.3	0.365	1.3	0.2	0.079	0.28	0.2	0.2	0.35	0.9
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	17	0.03	0.044	0.18	0.01	0.002	0.042	0.01	0.02	0.055	0.116
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	24	0.02	0.024	0.08	0.005	0.	0.021	0.005	0.01	0.03	0.065
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	31	0.009	0.012	0.047	0.002	0.	0.011	0.003	0.004	0.014	0.033
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	13	2.8	4.131	11.	2.1	6.776	2.603	2.26	2.55	5.4	9.48
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	31	9.6	9.755	13.	6.5	2.853	1.689	7.12	8.7	11.	12.28

** - 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

Annual Analysis for 1995 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	34	13.25	13.732	26.5	1.	66.806	8.173	3.	5.875	20.5	24.6
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	34	9.35	73.574	957.	3.2	33183.41	182.163	3.6	5.3	46.25	275.5
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	34	80.5	82.059	159.	42.	435.936	20.879	63.	74.	84.	95.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	32	9.75	10.378	14.3	6.6	5.177	2.275	7.52	8.6	12.675	13.91
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	34	7.06	6.938	8.2	2.4	0.811	0.901	6.47	6.753	7.313	7.57
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	34	7.059	3.931	8.2	2.4	10.127	3.182	6.47	6.752	7.313	7.57
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	34	0.087	117.21	3981.072	0.006	466116.184	682.727	0.027	0.049	0.177	0.34
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	34	9.	74.456	698.	1.5	28784.49	169.66	1.5	3.	29.	378.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	34##	1.5	9.882	86.	1.5	402.334	20.058	1.5	1.5	4.25	44.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	34	7.	64.824	612.	1.5	22354.68	149.515	1.5	1.5	25.	334.
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	34	0.028	0.036	0.119	0.004	0.001	0.026	0.01	0.016	0.054	0.077
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	34	0.004	0.004	0.008	0.001	0.	0.002	0.002	0.003	0.004	0.008
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	34	0.515	0.461	0.73	0.02	0.035	0.187	0.16	0.35	0.623	0.655
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	22	0.4	0.645	2.5	0.05	0.443	0.666	0.065	0.2	0.825	1.96
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	22	0.065	0.235	1.5	0.02	0.15	0.387	0.023	0.04	0.173	0.98
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	34	0.04	0.042	0.13	0.01	0.001	0.023	0.02	0.03	0.05	0.07
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	34	0.019	0.019	0.038	0.008	0.	0.008	0.009	0.013	0.024	0.032
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	34	11.05	10.929	20.1	4.6	10.113	3.18	7.05	9.	12.425	13.75
49567 PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP,WTR MG/L	03/14/95-12/10/98	10	0.018	0.022	0.059	0.008	0.	0.016	0.008	0.009	0.031	0.057
49569 CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	10	0.5	0.516	1.051	0.19	0.067	0.258	0.195	0.269	0.644	1.021
49570 NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	10	0.046	0.055	0.096	0.024	0.001	0.027	0.025	0.032	0.087	0.096
49571 NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	10	0.861	0.728	0.955	0.364	0.057	0.238	0.367	0.459	0.919	0.953
49572 PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	10	0.024	0.027	0.046	0.011	0.	0.012	0.012	0.019	0.036	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

Annual Analysis for 1996 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	54	14.	13.693	26.	2.	58.687	7.661	4.	6.	21.	24.2
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	9	5.4	17.433	78.	3.6	649.147	25.478	3.6	4.15	24.7	78.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	9	80.	78.778	84.	75.	11.194	3.346	75.	75.5	81.5	84.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	46	77.	74.696	91.	46.	101.105	10.055	60.5	71.	80.25	84.3
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	9	11.1	11.267	15.1	8.3	5.915	2.432	8.3	9.1	13.45	15.1
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	54	6.8	6.831	8.4	5.4	0.221	0.47	6.4	6.575	7.1	7.5
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	54	6.8	6.573	8.4	5.4	0.289	0.538	6.4	6.575	7.1	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	54	0.158	0.268	3.981	0.004	0.289	0.537	0.032	0.079	0.267	0.398
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	38.	116.373	972.	1.5	28888.715	169.967	2.4	4.	160.	311.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	5.	13.164	108.	1.5	329.547	18.153	1.5	1.5	18.	32.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	33.	103.382	864.	1.5	23030.416	151.758	1.5	3.	142.	278.2
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.016	0.025	0.083	0.002	0.001	0.023	0.002	0.006	0.044	0.062
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.004	0.095	1.	0.002	0.083	0.289	0.002	0.003	0.007	0.407
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.5	0.522	0.95	0.18	0.024	0.154	0.34	0.43	0.58	0.74

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

Station Inventory for Station: FRSP0032

NPS Station ID: FRSP0032 LAT/LON: 38.319726/ -77.471392 Agency: 112WRD Date Created: / /
Location: RAPPAHANNOCK RIVER AT FREDERICKSBURG, VA FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01668030
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

FIELD ANALYSIS BY USGS. SAMPLED BY USGS. STATION LOCATION: HWY U S 1 BRIDGE AT FREDERICKSBURG, SPOTSYLVANIA CO. NEAREST GAGING STATION: ON RIGHT BANK 1.6 MI UPSTREAM FROM DAM OF VEPCO AND 2.2 MI DOWNSTREAM FROM MOTTS RUN, 3.8 MI UPSTREAM FROM FREDERICKSBURG, SPOTSYLVANIA CO. DRAIN-AGE AREA: ABOVE GAGING STATION 1,599 SQ MI. SAMPLING INTAKE APPROX. 1,600 SQ MI. AVERAGE DAILY FLOW: AT GAGING STATION, 60 YRS, 1,611 CFS, AT SAMPLING LOCATION, SAME. PERIOD OF RECORD: SEPT 1907 TO PRESENT.

Parameter Inventory for Station: FRSP0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		02/12/70-06/25/70	5	18.	16.3	29.	5.	93.7	9.68	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)		07/30/70-07/30/70	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		07/30/70-07/30/70	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		07/30/70-07/30/70	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	02/12/70-06/25/70	5	9.2	10.06	12.8	8.	5.028	2.242	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/14/70-05/14/70	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		02/12/70-05/29/70	4	7.5	7.325	7.6	6.7	0.182	0.427	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		02/12/70-05/29/70	4	7.489	7.14	7.6	6.7	0.228	0.477	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/12/70-05/29/70	4	0.032	0.072	0.2	0.025	0.007	0.085	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		07/30/70-07/30/70	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		07/30/70-07/30/70	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		07/30/70-07/30/70	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/12/70-06/25/70	5	0.05	0.08	0.18	0.	0.005	0.073	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		02/12/70-06/25/70	5	0.01	0.044	0.18	0.	0.006	0.077	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		07/30/70-07/30/70	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		07/30/70-07/30/70	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		07/30/70-07/30/70	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		07/30/70-07/30/70	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO		07/30/70-07/30/70	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932 SODIUM, PERCENT		07/30/70-07/30/70	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		07/30/70-07/30/70	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	02/12/70-07/30/70	6	6.	6.	8.	4.	3.6	1.897	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		02/12/70-07/30/70	6	7.5	9.	16.	5.	15.6	3.95	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		07/30/70-07/30/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)		07/30/70-07/30/70	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)		07/30/70-07/30/70	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)		07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1998 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	10	0.008	0.01	0.022	0.003	0.	0.007	0.003	0.004	0.016	0.022
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	10	7.	7.59	12.3	1.9	17.561	4.191	2.09	3.8	12.1	12.28
49567 PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP.WTR MG/L	03/14/95-12/10/98	10	0.012	0.02	0.059	0.003	0.	0.019	0.003	0.005	0.034	0.057
49569 CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	10	0.51	0.823	2.254	0.266	0.545	0.738	0.269	0.312	1.199	2.238
49570 NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	10	0.058	0.089	0.309	0.003	0.01	0.1	0.005	0.023	0.115	0.301
49571 NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	10	0.346	0.453	0.911	0.2	0.073	0.269	0.201	0.223	0.746	0.9
49572 PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	10	0.015	0.015	0.032	0.003	0.	0.009	0.003	0.008	0.022	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: FRSP0033

NPS Station ID: FRSP0033 LAT/LON: 38.320003/ -77.471671 Agency: 21VASWCB Date Created: 12/13/86
Location: ROUTE 1, FREDERICKBURG FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP110.57
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 7.170 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 845101 BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 04B TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

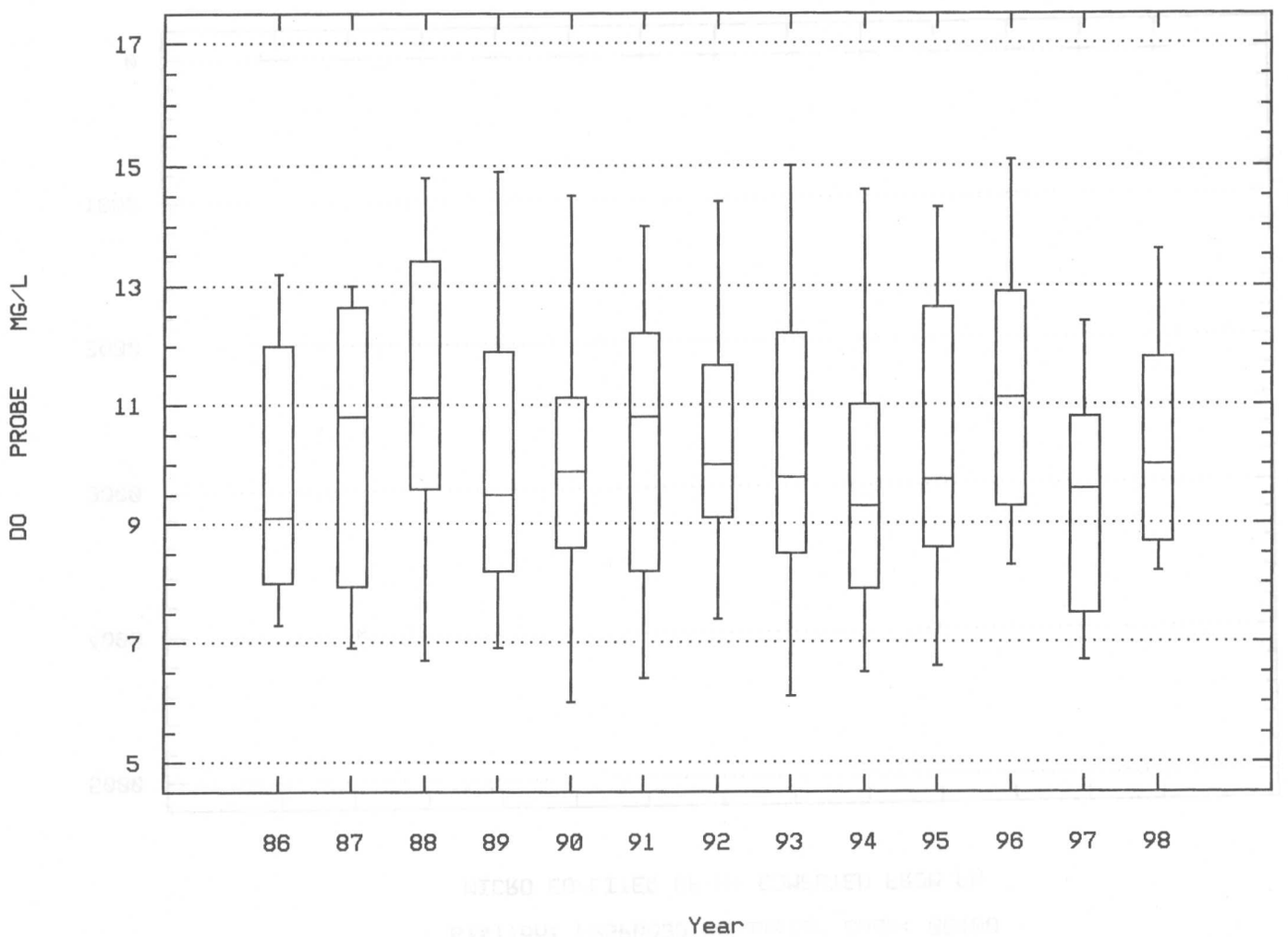
Parameter Inventory for Station: FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/21/86-12/10/98	453	14.	14.272	31.3	0.	64.986	8.061	3.94	7.	21.	25.5
00061 FLOW, STREAM, INSTANTANEOUS	CFS	01/21/96-09/24/96	37	4260.	7899.351	56200.	710.	139284604.456	11801.89	1436.	1990.	7425.	18460.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		03/23/90-08/03/93	5	7.9	10.5	27.	1.8	94.26	9.709	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		11/15/88-12/10/98	140	7.8	45.304	957.	0.4	11261.191	106.119	1.91	3.6	43.75	135.3
00078 TRANSPARENCY, SECCHI DISC (METERS)		08/09/94-08/09/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/21/86-12/10/98	409	78.	77.697	159.	8.	234.614	15.317	61.	70.	84.	92.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		01/10/88-12/23/96	207	76.	76.589	135.	40.	173.709	13.18	62.8	70.	83.	92.2
00096 SALINITY AT 25 DEGREES C (MG/ML)		07/21/86-11/15/94	241	0.	0.059	8.	0.	0.413	0.643	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	07/21/86-12/10/98	399	9.9	10.208	15.1	6.	4.701	2.168	7.6	8.5	11.9	13.4
00300 OXYGEN, DISSOLVED	MG/L	07/21/86-12/23/96	52	10.	10.14	14.5	6.1	4.731	2.175	7.46	8.25	11.975	13.14
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/10/88-03/15/94	105	2.	2.367	11.	0.5	3.415	1.848	0.5	1.	3.	5.
00335 COD, .025N K2CR2O7	MG/L	01/10/88-01/03/90	69	14.3	14.754	31.	2.5	55.688	7.462	5.5	9.5	21.	25.
00340 COD, .25N K2CR2O7	MG/L	01/16/90-12/20/90	35	9.	12.857	79.	3.	181.714	13.48	4.6	6.	15.	25.
00400 PH (STANDARD UNITS)		07/21/86-12/10/98	441	7.2	7.237	9.6	2.4	0.387	0.622	6.6	6.885	7.505	7.95
00400 CONVERTED PH (STANDARD UNITS)		07/21/86-12/10/98	441	7.2	5.039	9.6	2.4	5.232	2.287	6.6	6.885	7.505	7.95
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/21/86-12/10/98	441	0.063	9.145	3981.072	0.	35936.557	189.569	0.011	0.031	0.13	0.251
00403 PH, LAB, STANDARD UNITS	SU	02/21/89-03/15/94	80	7.	6.97	7.7	6.2	0.084	0.29	6.6	6.8	7.1	7.39
00403 CONVERTED PH, LAB, STANDARD UNITS		02/21/89-03/15/94	80	7.	6.874	7.7	6.2	0.093	0.306	6.6	6.8	7.1	7.39
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/21/89-03/15/94	80	0.1	0.134	0.631	0.02	0.01	0.1	0.041	0.079	0.158	0.251
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		02/21/89-03/15/94	82	18.	20.634	228.	6.	565.321	23.776	12.3	14.75	21.	23.7
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		10/26/98-10/26/98	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/10/88-12/10/98	423	13.	74.072	972.	0.5	17883.463	133.729	1.5	3.	88.	237.2
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		01/10/88-12/10/98	423	3.	9.918	108.	0.	245.271	15.661	1.	1.5	12.	30.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		01/10/88-12/10/98	423	10.	64.433	864.	0.5	14058.936	118.57	1.5	1.5	76.	207.2
00601 NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)		02/20/96-06/21/96	21	0.27	0.321	1.5	0.03	0.131	0.362	0.03	0.05	0.455	0.81
00602 NITROGEN, DISSOLVED (MG/L AS N)		02/20/96-06/21/96	22	0.88	0.951	2.9	0.05	0.334	0.578	0.419	0.615	1.1	1.72
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	455	0.02	0.04	0.27	0.002	0.001	0.036	0.012	0.02	0.05	0.086
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		07/08/94-08/08/94	4	0.035	0.052	0.13	0.008	0.003	0.055	**	**	**	**
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	455##	0.005	0.018	1.	0.001	0.011	0.105	0.002	0.005	0.005	0.01
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		09/25/92-07/08/94	2##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	457	0.53	0.489	1.2	0.002	0.064	0.254	0.025	0.345	0.67	0.8
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		07/08/94-07/08/94	1	0.372	0.372	0.372	0.372	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		07/21/86-06/30/95	357	0.4	0.569	2.9	0.05	0.222	0.472	0.2	0.3	0.7	1.22

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

Station: FRSP0033 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



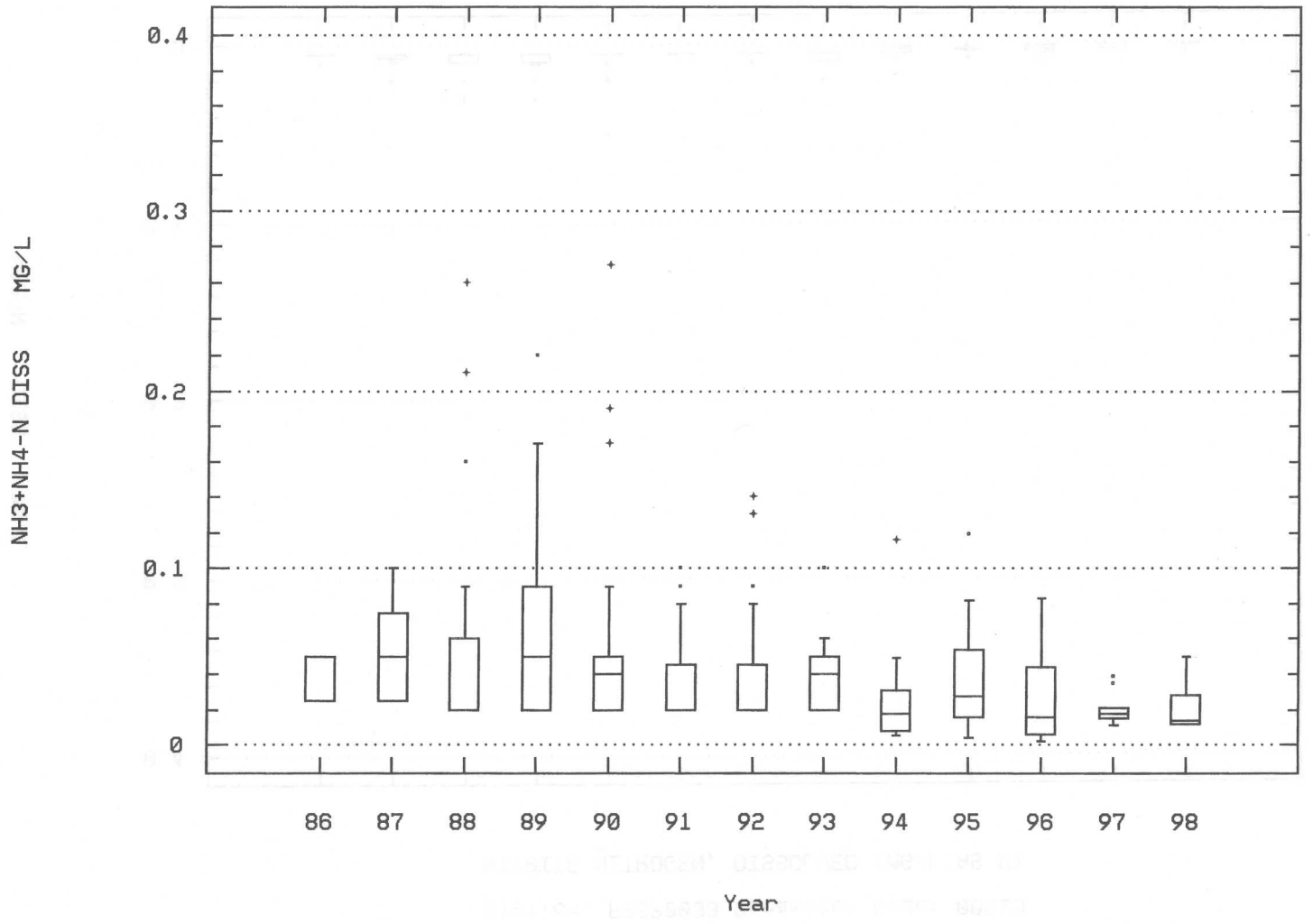
EPA Water Quality Criteria Analysis for Station: FRSP0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	450&	0	0.00	114	0	0.00	207	0	0.00	129	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	457	0	0.00	116	0	0.00	212	0	0.00	129	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	47	0	0.00	13	0	0.00	21	0	0.00	13	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
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						
01057 THALLIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
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						
01095 ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00				1	0	0.00						
	Drinking Water	6.	1	0	0.00				1	0	0.00						
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

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

Station: FRSP0033 Parameter Code: 00608

NITROGEN, AMMONIA, DISSOLVED (MG/L AS N



ROUTE 1, FREDERICKBURG

Annual Analysis for 1988 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	23##	1.	4.696	40.	0.5	109.994	10.488	0.5	0.5	3.	23.4
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	26##	0.02	0.054	0.26	0.02	0.004	0.063	0.02	0.02	0.063	0.175
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	26##	0.005	0.008	0.03	0.005	0.	0.006	0.005	0.005	0.01	0.013
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	26	0.08	0.269	0.93	0.02	0.09	0.3	0.02	0.02	0.485	0.711
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	26	0.3	0.461	1.4	0.1	0.123	0.351	0.156	0.2	0.525	1.16
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	27	0.03	0.059	0.3	0.01	0.004	0.062	0.02	0.02	0.07	0.12
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	11	0.03	0.036	0.1	0.005	0.001	0.029	0.008	0.02	0.04	0.096
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	26	0.01	0.014	0.08	0.005	0.	0.016	0.005	0.005	0.02	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	19	3.1	3.342	7.7	2.	1.701	1.304	2.	2.5	3.9	4.7
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
01140 SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	24	7700.	7858.333	12500.	4300.	4001666.667	2000.417	5150.	6825.	8500.	11000.

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	75	15.	14.195	27.5	0.	60.593	7.784	3.18	6.4	21.5	24.38
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	23	49.	76.574	360.	0.8	10128.506	100.64	2.46	4.	100.	276.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	76	77.	76.724	138.	46.	178.656	13.366	60.	68.	83.	92.3
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	74	76.	76.108	100.	40.	162.18	12.735	62.5	66.	83.25	95.5
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	75	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	71	9.5	10.18	14.9	6.9	4.91	2.216	7.7	8.2	11.9	13.68
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	71	7.35	7.36	9.35	6.4	0.187	0.433	6.816	7.1	7.6	7.8
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	71	7.35	7.189	9.35	6.4	0.217	0.466	6.816	7.1	7.6	7.8
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	71	0.045	0.065	0.398	0.	0.004	0.063	0.016	0.025	0.079	0.153
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	78	42.	106.442	660.	0.5	20813.753	144.27	2.	6.75	125.	305.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	79	7.	14.658	75.	0.5	305.119	17.468	1.	2.	20.	39.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	78	35.	92.596	592.	0.5	16593.215	128.815	1.	4.75	115.	270.
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	77	0.05	0.061	0.22	0.02	0.002	0.045	0.02	0.02	0.09	0.12
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	77##	0.005	0.008	0.03	0.005	0.	0.005	0.005	0.005	0.01	0.01
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	77	0.57	0.546	0.92	0.06	0.034	0.183	0.27	0.455	0.66	0.772
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	77	0.5	0.734	2.6	0.2	0.286	0.534	0.2	0.3	1.	1.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	78	0.095	0.171	0.8	0.01	0.033	0.182	0.02	0.04	0.24	0.491
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	57	0.02	0.024	0.06	0.005	0.	0.014	0.01	0.01	0.03	0.042
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	78	0.01	0.018	0.09	0.005	0.	0.014	0.005	0.01	0.02	0.04
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	76	4.2	4.908	10.1	1.4	5.573	2.361	2.3	2.925	6.875	8.25
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	55	10.	9.64	13.	1.8	6.017	2.453	6.66	7.7	11.5	12.5
01140 SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	23	9300.	8886.957	11000.	6000.	1416640.316	1190.227	6880.	8400.	9700.	9960.

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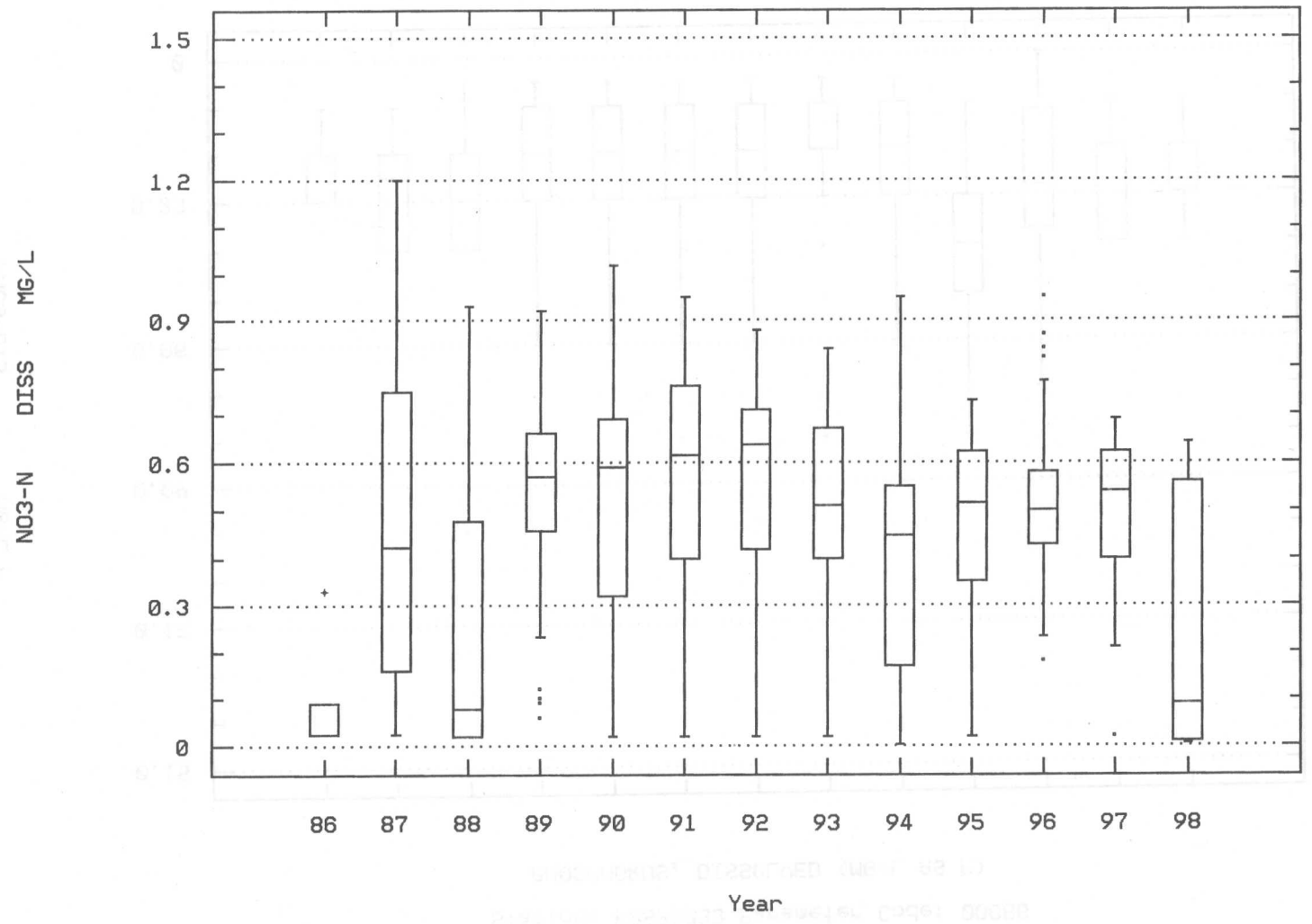
Annual Analysis for 1990 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	55	16.	16.062	27.8	0.9	47.365	6.882	5.68	11.6	21.	25.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	2	128.5	128.5	186.	71.	6612.5	81.317	**	**	**	**
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	55	76.	72.2	103.	24.	214.793	14.656	52.4	65.	83.	86.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	53	75.	73.943	96.	44.	112.362	10.6	58.8	70.5	80.	85.6
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	54	9.9	9.756	14.5	6.	4.095	2.024	6.8	8.5	11.1	12.55
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	53	7.2	7.281	9.6	5.8	0.437	0.661	6.64	6.915	7.6	8.06
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	53	7.2	6.846	9.6	5.8	0.629	0.793	6.64	6.915	7.6	8.06
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	53	0.063	0.142	1.585	0.	0.093	0.305	0.009	0.025	0.122	0.231
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	10.	82.345	844.	1.	26119.378	161.615	2.6	5.	94.	273.6

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Station: FRSP0033 Parameter Code: 00618

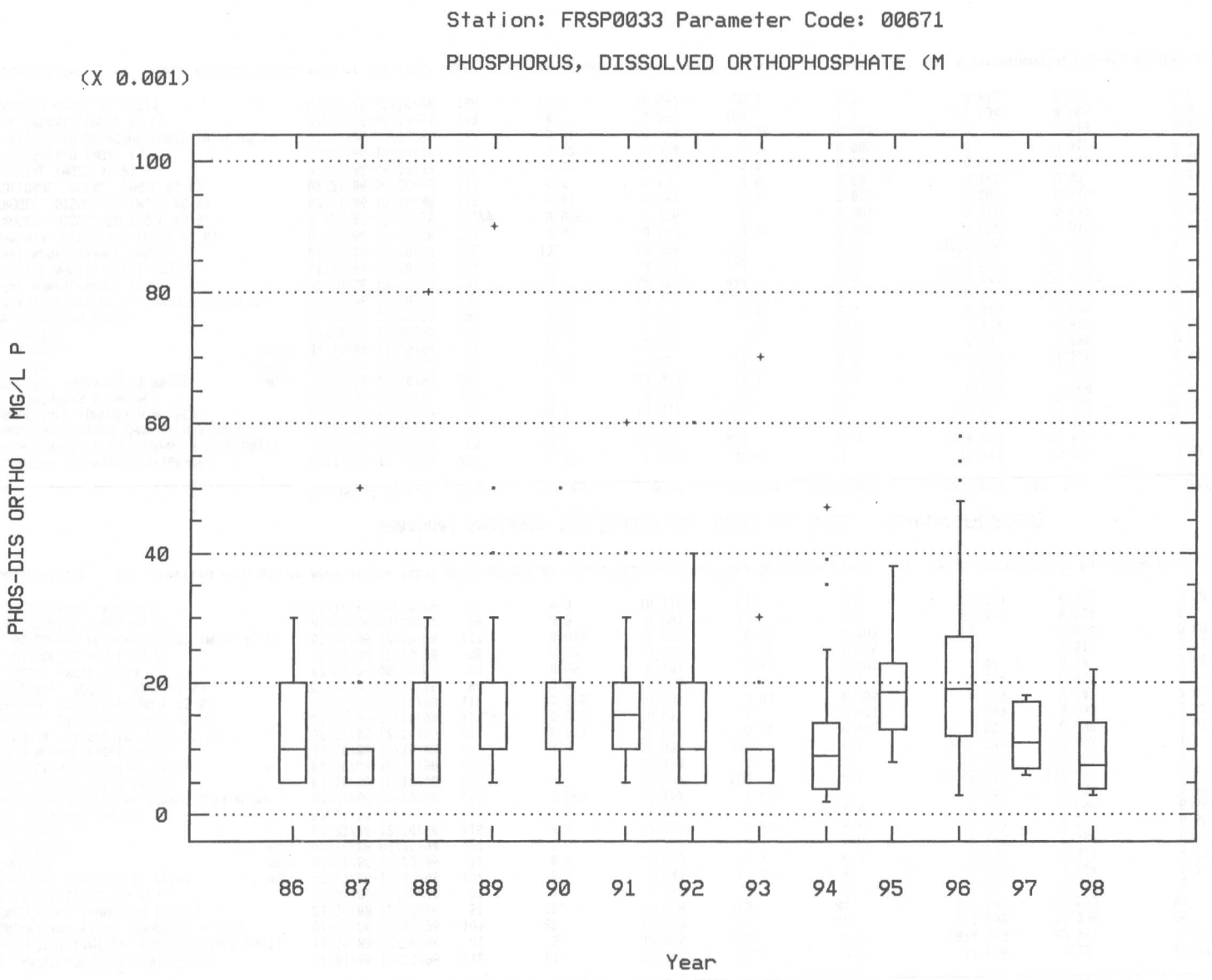
NITRATE NITROGEN, DISSOLVED (MG/L AS N)



Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/06/84-11/23/98	7	13.4	14.5	23.1	8.8	28.403	5.329	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/06/84-11/23/98	7	1.3	1.971	6.5	1.	4.042	2.011	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	03/06/84-11/23/98	7	13.	14.429	26.	9.	32.952	5.74	**	**	**	**
00400 PH (STANDARD UNITS)		03/06/84-11/23/98	7	7.1	7.3	8.	7.	0.14	0.374	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		03/06/84-11/23/98	7	7.1	7.198	8.	7.	0.152	0.39	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/06/84-11/23/98	7	0.079	0.063	0.1	0.01	0.001	0.036	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	03/06/84-11/23/98	7	6.6	6.657	7.	6.4	0.04	0.199	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		03/06/84-11/23/98	7	6.6	6.621	7.	6.4	0.041	0.203	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/06/84-11/23/98	7	0.251	0.239	0.398	0.1	0.01	0.099	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	7	23.	24.143	31.	14.	33.81	5.815	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		03/06/84-11/23/98	7	85.	98.286	168.	72.	1209.905	34.784	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		03/06/84-11/23/98	7	23.	25.143	38.	16.	66.81	8.174	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		03/06/84-11/23/98	7	64.	73.143	134.	49.	829.143	28.795	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/06/84-11/23/98	7	13.	13.786	31.	1.5	82.821	9.101	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/06/84-11/23/98	7	3.	2.786	5.	1.5	1.905	1.38	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		03/06/84-11/23/98	7	10.	11.071	27.	1.5	64.369	8.023	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/06/84-11/23/98	7##	0.02	0.073	0.3	0.02	0.011	0.103	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/06/84-11/23/98	7	0.01	0.016	0.07	0.005	0.001	0.024	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		03/06/84-11/23/98	7	0.1	0.247	1.23	0.02	0.191	0.437	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/06/84-11/23/98	7	0.4	0.386	0.6	0.1	0.025	0.157	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		03/06/84-11/23/98	7	0.1	0.079	0.1	0.05	0.001	0.027	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	7	29.	30.429	49.	19.	95.286	9.761	**	**	**	**

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



ROUTE 1, FREDERICKBURG

EPA Water Quality Criteria Analysis for Station: FRSP0043

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	3	1	0.33							3	1	0.33			

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	127	17.3	17.788	28.9	7.8	22.544	4.748	12.	14.	21.	24.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	40	7.1	56.335	957.	0.4	28588.339	169.081	1.63	3.225	13.425	156.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	115	72.	72.113	159.	24.	228.768	15.125	57.6	64.	80.	83.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	58	73.	71.207	96.	40.	111.29	10.549	58.9	64.	77.	83.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	109	9.1	9.18	12.9	6.4	1.553	1.246	7.5	8.45	9.95	10.7
00300	OXYGEN, DISSOLVED MG/L	07/21/86-12/23/96	13	9.2	9.069	10.8	6.7	1.784	1.336	6.98	7.9	10.2	10.64
00310	BOD, 5 DAY, 20 DEG C MG/L	01/10/88-03/15/94	37	2.	2.5	7.	0.5	3.111	1.764	0.5	1.	3.5	5.
00400	PH (STANDARD UNITS)	07/21/86-12/10/98	127	7.2	7.224	8.92	6.32	0.28	0.529	6.6	6.8	7.5	8.
00400	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	127	7.2	6.979	8.92	6.32	0.341	0.584	6.6	6.8	7.5	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	127	0.063	0.105	0.479	0.001	0.011	0.103	0.01	0.032	0.158	0.251
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	123	21.	95.683	972.	1.5	30065.854	173.395	1.5	4.	100.	308.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	124	4.	12.637	108.	1.	422.18	20.547	1.	1.5	13.	35.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	123	17.	83.752	864.	0.5	23593.104	153.6	1.5	3.	88.	271.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	129	0.025	0.039	0.17	0.002	0.001	0.03	0.012	0.02	0.05	0.09
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	129	0.005	0.007	0.05	0.001	0.	0.006	0.002	0.005	0.009	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	129	0.5	0.49	0.88	0.02	0.029	0.171	0.28	0.375	0.615	0.69
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	101	0.4	0.62	2.9	0.05	0.326	0.571	0.2	0.3	0.75	1.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	101	0.08	0.175	1.5	0.01	0.065	0.255	0.02	0.03	0.195	0.482
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	123	0.02	0.024	0.13	0.	0.	0.019	0.009	0.01	0.03	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	129	0.01	0.014	0.06	0.002	0.	0.009	0.005	0.01	0.02	0.029
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	85	3.7	4.654	14.6	1.3	7.38	2.717	2.1	2.7	5.85	8.94
00955	SILICA, DISSOLVED (MG/L AS SIO2)	01/10/88-12/10/98	123	9.9	9.61	13.	1.8	4.222	2.055	6.9	8.5	11.	12.

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Station Inventory for Station: FRSP0043

NPS Station ID: FRSP0043
Location: ROUTE 670 (STAFFORD COUNTY)
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080104
Major Basin: 02-NORTH ATLANTIC
Minor Basin: 3-RAPPAHANOCK
RF1 Index: 02080104
RF3 Index:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING
RIVER: ENGLAND RUN SECTION: 04B

LAT/LON: 38.338059/ -77.511116
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 21VASWCB Date Created: 05/01/93
FIPS State/County: 51179 VIRGINIA/STAFFORD
STORET Station ID(s): 3-ENG001.10
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.00 On/Off RF3:

BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
TOPO MAP #: 0028 TOPO MAP NAME: SALEM CHURCH, VA

Parameter Inventory for Station: FRSP0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/06/84-11/23/98	26	12.3	13.227	24.3	0.6	55.688	7.462	3.71	6.225	21.025	23.78
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		07/21/94-11/23/98	21	16.	16.948	36.	3.3	88.328	9.398	3.5	11.6	22.95	33.6
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		03/24/94-11/23/98	25	97.	101.	166.	66.	447.	21.142	76.8	87.	109.	129.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/21/94-11/23/98	24	96.	98.375	146.	66.	373.636	19.33	73.5	85.25	108.75	129.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/24/94-11/23/98	25	8.6	9.02	13.3	5.5	4.654	2.157	5.96	7.2	10.8	12.14
00300 OXYGEN, DISSOLVED	MG/L	03/06/84-03/06/84	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/06/84-11/23/98	26	1.15	1.523	6.5	0.5	1.345	1.16	0.5	1.	1.7	2.3
00340 COD, .25N K2CR2O7	MG/L	03/06/84-11/23/98	24	13.	13.125	26.	2.5	40.788	6.387	3.75	9.	16.	24.5
00400 PH (STANDARD UNITS)		03/06/84-11/23/98	26	7.3	7.262	8.	6.5	0.127	0.357	6.77	7.	7.5	7.73
00400 CONVERTED PH (STANDARD UNITS)		03/06/84-11/23/98	26	7.3	7.121	8.	6.5	0.148	0.384	6.77	7.	7.5	7.73
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/06/84-11/23/98	26	0.05	0.076	0.316	0.01	0.005	0.068	0.019	0.032	0.1	0.171
00403 PH, LAB, STANDARD UNITS	SU	03/06/84-11/23/98	25	6.7	6.688	7.1	6.	0.058	0.24	6.4	6.6	6.8	7.04
00403 CONVERTED PH, LAB, STANDARD UNITS		03/06/84-11/23/98	25	6.7	6.615	7.1	6.	0.063	0.252	6.4	6.6	6.8	7.04
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/06/84-11/23/98	25	0.2	0.243	1.	0.079	0.033	0.182	0.092	0.158	0.251	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	25	28.	28.4	46.	12.	80.167	8.954	14.6	22.5	36.	40.
00500 RESIDUE, TOTAL (MG/L)		03/06/84-11/23/98	26	86.	90.846	168.	60.	547.895	23.407	70.5	75.75	95.25	127.9
00505 RESIDUE, TOTAL VOLATILE (MG/L)		03/06/84-11/23/98	25	26.	27.64	67.	7.	134.907	11.615	17.2	21.	30.5	42.8
00510 RESIDUE, TOTAL FIXED (MG/L)		03/06/84-11/23/98	25	63.	64.16	134.	43.	332.807	18.243	47.	52.5	67.	82.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/06/84-11/23/98	25	9.	11.92	73.	1.5	211.077	14.528	1.5	3.	14.5	25.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/06/84-11/23/98	25##	1.5	2.76	11.	1.5	4.503	2.122	1.5	1.5	3.	5.4
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		03/06/84-11/23/98	25	6.	9.28	62.	1.5	155.502	12.47	1.5	1.5	11.	19.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/06/84-11/23/98	26##	0.02	0.049	0.3	0.02	0.004	0.059	0.02	0.02	0.06	0.105
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/06/84-11/23/98	26##	0.005	0.012	0.07	0.005	0.	0.015	0.005	0.005	0.01	0.033
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		03/06/84-11/23/98	26	0.065	0.135	1.23	0.02	0.057	0.239	0.02	0.02	0.145	0.298
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/06/84-11/23/98	26	0.35	0.373	0.8	0.1	0.04	0.199	0.1	0.2	0.525	0.63
00665 PHOSPHORUS, TOTAL (MG/L AS P)		03/06/84-11/23/98	26	0.1	0.087	0.2	0.05	0.002	0.041	0.05	0.05	0.1	0.13
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		03/06/84-03/06/84	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/06/84-07/01/96	16	4.6	4.844	9.5	1.9	4.197	2.049	2.46	3.1	6.4	8.24
00900 HARDNESS, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	24	31.	31.333	49.	18.	66.058	8.128	19.5	24.5	36.75	43.
00940 CHLORIDE,TOTAL IN WATER	MG/L	03/24/94-11/23/98	24	6.	6.021	13.	2.5	5.641	2.375	2.5	5.	7.	9.
00945 SULFATE, TOTAL (MG/L AS SO4)		03/24/94-11/23/98	24	6.	6.583	28.	2.	29.428	5.425	2.25	2.625	8.	11.5
01002 ARSENIC, TOTAL (UG/L AS AS)		03/06/84-07/21/94	2##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)		03/06/84-06/25/97	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**

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

Station Inventory for Station: FRSP0035

NPS Station ID: FRSP0035 LAT/LON: 38.266670/ -77.475003 Agency: 11NPSWRD Date Created: 10/10/98
Location: UNNAMED TRIBUTARY TO DEEP RUN
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
STORET Station ID(s): FRSP_NPS_09
Within Park Boundary: Yes

Description:

THE STATION IS LOCATED ON THE FREDERICKSBURG; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 09 IS AT AN UNNAMED TRIBUTARY TO DEEP RUN AT THE FREDERICKSBURG BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

Parameter Inventory for Station: FRSP0035

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/25/95-12/01/95	2	13.05	13.05	17.3	8.8	36.125	6.01	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS	CFS	09/25/95-12/01/95	2	0.535	0.535	1.	0.07	0.432	0.658	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		09/25/95-12/01/95	2	52.5	52.5	55.	50.	12.5	3.536	**	**	**	**
00300	OXYGEN, DISSOLVED	MG/L	09/25/95-12/01/95	2	10.35	10.35	12.6	8.1	10.125	3.182	**	**	**	**
00406	PH, FIELD, STANDARD UNITS	SU	09/25/95-12/01/95	2	5.64	5.64	6.13	5.15	0.48	0.693	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS		09/25/95-12/01/95	2	5.408	5.408	6.13	5.15	0.588	0.767	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/25/95-12/01/95	2	3.91	3.91	7.079	0.741	20.086	4.482	**	**	**	**
61272	INVALID PARAMETER		09/25/95-12/01/95	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
61277	INVALID PARAMETER		09/25/95-12/01/95	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		09/25/95-12/01/95	2	26.5	26.5	28.	25.	4.5	2.121	**	**	**	**

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

Station Inventory for Station: FRSP0042

NPS Station ID: FRSP0042 LAT/LON: 38.267226/ -77.505282 Agency: 21VASWCB Date Created: 05/01/93
Location: ROUTE 620 (SOTSYLVANIA COUNTY) FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-LON000.86
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
RIVER: LONG BRANCH SECTION: 04 TOPO MAP #: 0036 TOPO MAP NAME: SALEM CHURCH, VA

Parameter Inventory for Station: FRSP0042

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED	MG/L	06/08/77-06/08/77	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C	MG/L	06/08/77-06/08/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7	MG/L	06/08/77-06/08/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	06/08/77-06/08/77	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		06/08/77-06/08/77	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/08/77-06/08/77	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		06/08/77-06/08/77	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)		06/08/77-06/08/77	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)		06/08/77-06/08/77	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)		06/08/77-06/08/77	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		06/08/77-06/08/77	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)		06/08/77-06/08/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)		06/08/77-06/08/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		06/08/77-06/08/77	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)		06/08/77-06/08/77	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)		06/08/77-06/08/77	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		06/08/77-06/08/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)		06/08/77-06/08/77	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		06/08/77-06/08/77	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		06/08/77-06/08/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		06/08/77-06/08/77	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		06/08/77-06/08/77	1##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	50.								

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

Station Inventory for Station: FRSP0036

NPS Station ID: FRSP0036 LAT/LON: 38.311392/ -77.477226 Agency: 21VASWCB Date Created: / /
Location: VEPCO CANAL, RT. 1 BRIDGE FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-RPP112.98 /VA3-04BX0050/VA3-3X0050
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 6.920 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
RIVER: RAPPAHANNOCK RI. SECTION: 04B TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/23/76	67	15.6	15.66	27.8	-1.1	71.363	8.448	4.3	8.9	24.4	27.2
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/25/71-07/15/71	4	16.9	29.525	80.	4.3	1265.209	35.57	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	68	9.7	9.521	14.	4.	4.528	2.128	7.	7.8	11.	12.42
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-02/23/76	13	2.	1.931	5.1	1.	1.071	1.035	1.08	1.2	2.	3.9
00400 PH (STANDARD UNITS)		07/01/68-02/23/76	68	7.	7.122	8.7	6.	0.251	0.501	6.68	6.8	7.375	7.61
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/23/76	68	7.	6.911	8.7	6.	0.296	0.544	6.68	6.8	7.375	7.61
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/23/76	68	0.1	0.123	1.	0.002	0.019	0.137	0.025	0.042	0.158	0.211
00403 PH, LAB, STANDARD UNITS	SU	10/08/68-05/31/70	8	7.	6.938	7.6	6.1	0.203	0.45	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/08/68-05/31/70	8	7.	6.711	7.6	6.1	0.261	0.511	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/08/68-05/31/70	8	0.1	0.194	0.794	0.025	0.064	0.252	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-05/07/70	7	17.	16.857	25.	10.	19.143	4.375	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		10/08/68-11/25/70	8	89.	98.75	155.	69.	820.214	28.639	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		10/08/68-11/25/70	8	39.5	41.125	76.	22.	293.839	17.142	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		10/08/68-11/25/70	8	45.	43.75	74.	12.	347.929	18.653	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/08/68-11/25/70	8	10.	15.75	58.	4.	313.071	17.694	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-11/25/70	8	4.	5.5	13.	1.	22.	4.69	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		10/08/68-11/25/70	8	5.	10.25	48.	2.	238.214	15.434	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/18/70-02/23/76	58	0.05	0.075	0.31	0.005	0.004	0.061	0.02	0.05	0.1	0.15
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/18/70-02/23/76	59	0.01	0.01	0.05	0.005	0.	0.009	0.005	0.005	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		03/18/70-02/23/76	59	0.59	0.639	4.	0.005	0.368	0.606	0.09	0.33	0.85	1.029
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/18/70-02/23/76	59	0.3	0.319	0.9	0.05	0.039	0.199	0.1	0.2	0.4	0.6
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		08/09/75-02/23/76	3	5.	4.667	7.	2.	6.333	2.517	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/04/72-10/04/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		03/18/71-10/21/75	7##	2.5	2.357	2.5	1.5	0.143	0.378	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		11/25/70-10/21/75	9##	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
01034 CHROMIUM, TOTAL (UG/L AS CR)		03/18/70-10/21/75	16##	5.	7.5	20.	5.	16.667	4.082	5.	5.	10.	13.
01042 COPPER, TOTAL (UG/L AS CU)		03/18/70-10/21/75	16##	5.	9.063	30.	5.	57.396	7.576	5.	5.	10.	23.
01045 IRON, TOTAL (UG/L AS FE)		11/25/70-12/14/71	4	450.	550.	1000.	300.	96666.667	310.913	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		11/25/70-10/21/75	14##	5.	7.	13.	5.	8.308	2.882	5.	5.	10.	11.5
01055 MANGANESE, TOTAL (UG/L AS MN)		03/18/70-06/01/71	4	45.	59.975	109.9	40.	1130.003	33.616	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)		01/22/73-10/21/75	4##	50.	38.75	50.	5.	506.25	22.5	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		03/18/70-10/21/75	17##	5.	9.118	40.	5.	78.86	8.88	5.	5.	10.	24.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)		07/01/68-01/23/72	13	1500.	4430.231	23000.	43.	45742005.692	6763.284	117.8	430.	7650.	18200.

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	9##	5.	6.111	10.	5.	4.861	2.205	5.	5.	7.5	10.
01042 COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	9##	5.	10.556	30.	5.	77.778	8.819	5.	5.	15.	30.
01092 ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	9##	5.	11.667	40.	5.	137.5	11.726	5.	5.	15.	40.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	20##	50.	345.	2800.	50.	488394.737	698.852	50.	50.	175.	1540.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	20##	1.699	2.047	3.447	1.699	0.318	0.564	1.699	1.699	2.226	3.184
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	111.455								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	16##	0.05	0.053	0.1	0.025	0.	0.02	0.025	0.05	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	16##	0.05	0.04	0.1	0.005	0.001	0.023	0.009	0.023	0.05	0.065

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

Annual Analysis for 1968 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/23/76	4	25.8	24.	27.2	17.2	22.293	4.722	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	3	7.	7.667	9.	7.	1.333	1.155	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-02/23/76	4	7.3	7.275	7.5	7.	0.069	0.263	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/23/76	4	7.255	7.217	7.5	7.	0.074	0.271	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/23/76	4	0.056	0.061	0.1	0.032	0.001	0.035	**	**	**	**

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

Annual Analysis for 1969 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/23/76	2	14.15	14.15	24.4	3.9	210.125	14.496	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	3	7.2	8.767	12.	7.1	7.843	2.801	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-02/23/76	2	6.65	6.65	6.8	6.5	0.045	0.212	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/23/76	2	6.625	6.625	6.8	6.5	0.046	0.215	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/23/76	2	0.237	0.237	0.316	0.158	0.012	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

Annual Analysis for 1970 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/23/76	9	11.1	14.189	26.1	3.9	85.941	9.27	3.9	4.4	23.35	26.1
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	9	8.8	8.556	13.	4.	7.528	2.744	4.	6.3	10.2	13.
00400 PH (STANDARD UNITS)		07/01/68-02/23/76	9	7.	7.067	8.7	6.	0.54	0.735	6.	6.65	7.25	8.7
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/23/76	9	7.	6.68	8.7	6.	0.708	0.841	6.	6.65	7.25	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/23/76	9	0.1	0.209	1.	0.002	0.096	0.31	0.002	0.057	0.237	1.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/18/70-02/23/76	9	0.08	0.087	0.21	0.02	0.004	0.06	0.02	0.03	0.12	0.21
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/18/70-02/23/76	9	0.01	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.03
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		03/18/70-02/23/76	9	0.39	0.438	0.89	0.005	0.092	0.303	0.005	0.15	0.685	0.89
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/18/70-02/23/76	9	0.2	0.328	0.9	0.05	0.063	0.251	0.05	0.2	0.45	0.9
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-02/23/76	2	1200.	1200.	1400.	1000.	80000.	282.843	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-02/23/76	2	3.073	3.073	3.146	3.	0.011	0.103	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		1183.216									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)		03/18/70-02/23/76	9##	0.05	0.047	0.1	0.025	0.001	0.023	0.025	0.025	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		03/18/70-02/23/76	9	0.01	0.025	0.09	0.005	0.001	0.027	0.005	0.01	0.035	0.09

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

Annual Analysis for 1971 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/23/76	12	13.9	15.008	27.8	3.9	48.29	6.949	5.07	9.175	21.225	26.3
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	12	9.6	10.017	12.8	7.	3.145	1.773	7.36	8.75	11.95	12.56
00400 PH (STANDARD UNITS)		07/01/68-02/23/76	12	7.3	7.233	8.3	6.5	0.244	0.494	6.56	6.825	7.5	8.12
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/23/76	12	7.3	7.023	8.3	6.5	0.293	0.541	6.56	6.825	7.5	8.12
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/23/76	12	0.05	0.095	0.316	0.005	0.008	0.092	0.009	0.032	0.15	0.281
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/18/70-02/23/76	11	0.05	0.073	0.19	0.01	0.004	0.065	0.01	0.02	0.15	0.182
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/18/70-02/23/76	11	0.01	0.02	0.05	0.005	0.	0.015	0.006	0.01	0.03	0.048
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		03/18/70-02/23/76	11	0.51	0.664	2.599	0.05	0.532	0.73	0.058	0.09	0.89	2.285
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/18/70-02/23/76	11	0.3	0.359	0.9	0.05	0.089	0.299	0.06	0.1	0.7	0.88
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-02/23/76	10##	75.	1245.	5200.	50.	3743583.333	1934.834	50.	50.	2925.	5070.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-02/23/76	10##	1.849	2.382	3.716	1.699	0.759	0.871	1.699	1.699	3.459	3.704

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

Annual Analysis for 1976 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	5	11.1	13.44	25.	2.8	74.613	8.638	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	5	10.8	9.56	12.	6.	6.168	2.484	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	5	6.7	6.78	7.1	6.5	0.067	0.259	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	5	6.7	6.723	7.1	6.5	0.071	0.267	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	5	0.2	0.189	0.316	0.079	0.01	0.1	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	5	100.	120.	300.	50.	10750.	103.682	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	5	2.	1.975	2.477	1.699	0.101	0.318	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		94.409									

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

Annual Analysis for 1977 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	5	18.5	16.66	26.	0.8	106.278	10.309	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	5	7.6	7.84	11.4	5.2	5.828	2.414	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	5	6.5	6.294	7.	5.5	0.389	0.624	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	5	6.5	5.968	7.	5.5	0.522	0.722	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	5	0.316	1.075	3.162	0.1	1.721	1.312	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	4##	75.	100.	200.	50.	5000.	70.711	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	4##	1.849	1.925	2.301	1.699	0.083	0.288	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		84.09									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	6	10.25	13.233	25.	4.	100.907	10.045	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	6	8.8	9.217	13.	6.5	6.726	2.593	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	6	6.4	6.45	6.7	6.3	0.027	0.164	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	6	6.4	6.426	6.7	6.3	0.028	0.166	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	6	0.398	0.375	0.501	0.2	0.016	0.126	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	6##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	6##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		50.									

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

Annual Analysis for 1979 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	2	15.5	15.5	18.	13.	12.5	3.536	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	2	9.45	9.45	10.8	8.1	3.645	1.909	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	2	6.45	6.45	6.9	6.	0.405	0.636	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	2	6.25	6.25	6.9	6.	0.485	0.697	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	2	0.563	0.563	1.	0.126	0.382	0.618	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	2##	825.	825.	1600.	50.	1201250.	1096.016	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	2##	2.452	2.452	3.204	1.699	1.133	1.064	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		282.843									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	10	0.129	0.119	0.316	0.002	0.01	0.098	0.003	0.028	0.169	0.305
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	10##	0.05	0.065	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	10##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	10	0.525	0.835	4.	0.03	1.325	1.151	0.032	0.275	0.85	3.7
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	10	0.3	0.265	0.4	0.05	0.016	0.125	0.055	0.175	0.4	0.4
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	9##	50.	77.778	200.	50.	2569.444	50.69	50.	50.	100.	200.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	9##	1.699	1.833	2.301	1.699	0.048	0.219	1.699	1.699	2.	2.301
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		68.04									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	10##	0.05	0.065	0.2	0.05	0.002	0.047	0.05	0.05	0.05	0.185
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	10##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	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

Annual Analysis for 1975 - Station FRSP0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	6	11.95	13.617	26.1	3.9	69.798	8.354	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	6	10.	9.9	12.8	7.4	3.856	1.964	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/23/76	6	7.2	7.2	7.5	6.8	0.076	0.276	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	6	7.2	7.127	7.5	6.8	0.082	0.287	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	6	0.063	0.075	0.158	0.032	0.002	0.048	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	5##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	5##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	5	0.6	0.594	0.9	0.26	0.07	0.265	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	5	0.2	0.22	0.4	0.1	0.017	0.13	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	6##	50.	116.667	300.	50.	11666.667	108.012	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	6##	1.699	1.929	2.477	1.699	0.13	0.361	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		84.919									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	5##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	5##	0.03	0.033	0.05	0.005	0.	0.019	**	**	**	**

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

Annual Analysis for 1976 - Station FRSP0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	1	11.1	11.1	11.1	11.1	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	07/01/68-02/23/76	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	1	500.	500.	500.	500.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	1	2.699	2.699	2.699	2.699	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		500.									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	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 box-and-whisker plot

Annual Analysis for 1968 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	4	22.8	21.275	27.8	11.7	51.529	7.178	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	4	7.5	7.75	9.	7.	0.917	0.957	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	4	6.25	6.375	7.	6.	0.229	0.479	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	4	6.182	6.219	7.	6.	0.262	0.512	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	4	0.658	0.604	1.	0.1	0.217	0.466	**	**	**	**

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

Annual Analysis for 1969 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	3	17.2	13.867	22.2	2.2	108.333	10.408	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	3	7.6	9.033	12.6	6.9	9.663	3.109	**	**	**	**
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	3	6.2	6.233	6.3	6.2	0.003	0.058	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	3	6.2	6.231	6.3	6.2	0.003	0.058	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	3	0.631	0.588	0.631	0.501	0.006	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

Annual Analysis for 1970 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	11	10.	12.073	23.3	2.8	63.598	7.975	3.02	3.9	21.1	22.98
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	11	7.2	7.345	10.6	5.4	2.961	1.721	5.4	6.	8.2	10.48
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	11	6.2	6.173	6.5	5.5	0.084	0.29	5.6	6.	6.4	6.5
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	11	6.2	6.066	6.5	5.5	0.097	0.311	5.6	6.	6.4	6.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	11	0.631	0.86	3.162	0.316	0.653	0.808	0.316	0.398	1.	2.73
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	2##	25.	25.	50.	0.	1250.	35.355	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	2##	0.849	0.849	1.699	0.	1.443	1.201	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		7.071									

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

Annual Analysis for 1971 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	11	13.3	13.436	23.3	3.9	47.243	6.873	4.24	7.8	21.1	22.98
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	11	10.	9.627	12.5	6.	4.628	2.151	6.32	7.8	12.	12.48
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	11	6.7	6.618	7.5	6.	0.164	0.405	6.04	6.3	6.7	7.4
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	11	6.7	6.474	7.5	6.	0.187	0.432	6.04	6.3	6.7	7.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	11	0.2	0.336	1.	0.032	0.078	0.279	0.045	0.2	0.501	0.926
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	11##	50.	790.909	8000.	50.	5718909.091	2391.424	50.	50.	100.	6440.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/25/70-06/04/79	11##	1.699	1.981	3.903	1.699	0.443	0.666	1.699	1.699	2.	3.583
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		95.817									

** - 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

Station Inventory for Station: FRSP0037

NPS Station ID: FRSP0037 LAT/LON: 38.288060/ -77.487504 Agency: 21VASWCB Date Created: 05/18/98
Location: JEFFERSON DAVIS BLVD. FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-HAL002.61
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
RIVER: HAZEL RUN SECTION: 04 TOPO MAP #: 182C TOPO MAP NAME: FREDERICKSBURG

Parameter Inventory for Station: FRSP0037

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: FRSP0040

NPS Station ID: FRSP0040 LAT/LON: 38.236115/ -77.502781 Agency: 21VASWCB Date Created: / /
Location: RT. 1 BRIDGE FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-MAP007.97 /VA3-04-X0017/VA3-3X0017
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104043 RF1 Mile Point: 7.660 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
RIVER: MASSAPONAX CREEK SECTION: 04 TOPO MAP #: 0037 TOPO MAP NAME: SPOTSYLVANIA, VA

Parameter Inventory for Station: FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-06/04/79	87	15.	14.444	27.8	0.8	57.488	7.582	3.9	7.8	21.1	25.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/25/71-07/15/71	4	11.	11.5	17.	7.	27.667	5.26	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-06/04/79	87	8.8	9.101	14.	5.2	4.456	2.111	6.36	7.6	11.	12.08
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/08/68-03/18/71	12	2.	2.042	3.1	0.9	0.492	0.701	0.96	1.55	2.725	3.04
00400 PH (STANDARD UNITS)		07/01/68-06/04/79	87	6.5	6.535	7.5	5.5	0.141	0.375	6.	6.3	6.8	7.
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-06/04/79	87	6.5	6.367	7.5	5.5	0.169	0.412	6.	6.3	6.8	7.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-06/04/79	87	0.316	0.43	3.162	0.032	0.257	0.507	0.1	0.158	0.501	1.
00403 PH, LAB, STANDARD UNITS	SU	10/08/68-09/02/70	9	6.4	6.333	6.9	5.9	0.108	0.328	5.9	6.05	6.55	6.9
00403 CONVERTED PH, LAB, STANDARD UNITS		10/08/68-09/02/70	9	6.4	6.234	6.9	5.9	0.119	0.344	5.9	6.05	6.55	6.9
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/08/68-09/02/70	9	0.398	0.584	1.259	0.126	0.152	0.39	0.126	0.284	0.897	1.259
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/08/68-05/07/70	8	7.5	7.75	11.	6.	2.786	1.669	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		10/08/68-05/07/70	8	105.	111.875	191.	66.	1368.982	37.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		10/08/68-05/07/70	8	39.	35.75	60.	11.	279.357	16.714	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		10/08/68-05/07/70	8	66.5	76.125	150.	44.	1237.839	35.183	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/08/68-05/07/70	8	18.	24.375	70.	5.	522.839	22.866	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		10/08/68-05/07/70	8	4.5	6.5	17.	1.	39.429	6.279	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		10/08/68-05/07/70	8	11.5	17.875	55.	3.	351.554	18.75	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/03/70-06/04/79	52##	0.05	0.086	0.46	0.	0.007	0.085	0.05	0.05	0.1	0.2
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		02/03/70-06/04/79	52##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		02/03/70-08/26/76	37	0.13	0.142	0.41	0.01	0.008	0.092	0.037	0.09	0.165	0.268
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		02/03/70-06/04/79	52	0.4	0.453	0.95	0.05	0.055	0.235	0.2	0.3	0.6	0.87
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/27/76-06/04/79	15	0.08	0.102	0.28	0.025	0.006	0.079	0.025	0.025	0.15	0.256
00935 POTASSIUM, DISSOLVED (MG/L AS K)		04/10/79-04/10/79	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		09/21/72-09/21/72	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		03/18/71-04/10/79	12##	2.	1.75	2.5	0.5	0.659	0.812	0.65	1.	2.5	2.5
01027 CADMIUM, TOTAL (UG/L AS CD)		11/25/70-04/10/79	14##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034 CHROMIUM, TOTAL (UG/L AS CR)		03/18/70-04/10/79	22##	5.	5.909	10.	5.	3.896	1.974	5.	5.	5.	10.
01042 COPPER, TOTAL (UG/L AS CU)		03/18/70-04/10/79	22##	5.	10.	40.	5.	104.762	10.235	5.	5.	10.	30.
01045 IRON, TOTAL (UG/L AS FE)		11/25/70-04/10/79	5	1000.	959.6	1199.	600.	67760.3	260.308	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		11/25/70-04/10/79	18##	5.	5.694	20.	1.5	16.21	4.026	1.95	4.5	5.25	11.
01055 MANGANESE, TOTAL (UG/L AS MN)		03/18/70-04/10/79	5	149.9	165.92	279.9	120.	4227.702	65.021	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)		01/22/73-04/10/79	9##	50.	45.	50.	5.	225.	15.	5.	50.	50.	50.
01092 ZINC, TOTAL (UG/L AS ZN)		03/18/70-04/10/79	21	10.	19.048	90.	5.	449.048	21.191	5.	5.	25.	48.

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

Station Inventory for Station: FRSP0039

NPS Station ID: FRSP0039 LAT/LON: 38.341670/ -77.500005 Agency: 21VASWCB Date Created: 05/18/98
Location: RT. 670 FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-XBU000.89
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
RIVER: TRIB. ENGLAND RUN SECTION: 04B TOPO MAP #: 182C TOPO MAP NAME: FREDERICKSBURG

Parameter Inventory for Station: FRSP0039

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: FRSP0038

NPS Station ID: FRSP0038 LAT/LON: 38.322226/ -77.490282 Agency: 21VASWCB Date Created: 02/06/82
Location: FREDERICKSBURG, RAPPAHANNOCK RIVER FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
Station Type: /TYPA/MUN/OUTFL/AMBNT/STREAM/DOWN STORET Station ID(s): FREDRAPP @WSI1
RMI-Indexes: 0215002 Within Park Boundary: No
RMI-Miles: 0114.00
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

SYMBOL DRAIN (SQM)	SUPPLY STORAGE PROCESS	TREATMENT EXISTING/ CAP(MGD)	STORAGE UTILITY	POP	PLANNING DATA SAFE DEMAND (MGD)		AREA (MG)	DESIGN		SERVED YIELD (MGD)		
@WSI1 1590	C	6.0	TOWN OF	13.5K	22.3*	3.34	FRDKSBG					

TOPO NAME: FREDERICKSBURG
HPU: #16/11-13-81
DESCRIPTIVE PARAGRAPH INFORMATION FOR UNOFFICIAL USE ONLY

TOPO NUMBER: 182C
*INCLUDES STORAGE IN THE MOTTS RUN RESERVOIR

Parameter Inventory for Station: FRSP0038

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

******** No Parameter Data Available for this Station ********

Parameter Inventory for Station: FRSP0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-03/31/77	17	430.	4614.471	23000.	15.	60409711.64	7772.368	15.	140.	7800.	23000.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/01/68-03/31/77	17	2.633	2.818	4.362	1.176	1.097	1.047	1.176	2.03	3.852	4.362
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	657.621								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	68##	50.	376.471	8000.	0.	1541676.91	1241.643	50.	50.	100.	440.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	68##	1.699	1.951	3.903	0.	0.322	0.568	1.699	1.699	2.	2.632
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	89.288								
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	04/25/71-04/25/71	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/14/71-12/14/71	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-08/09/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	52##	0.05	0.069	0.4	0.025	0.003	0.058	0.05	0.05	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	52##	0.03	0.041	0.35	0.005	0.003	0.051	0.005	0.01	0.05	0.085
71900 MERCURY, TOTAL (UG/L AS HG)	09/02/70-04/10/79	21##	0.25	0.252	0.5	0.15	0.004	0.064	0.17	0.25	0.25	0.25

** - 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: FRSP0040

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00				3	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	87	0	0.00	28	0	0.00	35	0	0.00	24	0	0.00			
00400 PH	Fresh Chronic	9.	87	0	0.00	28	0	0.00	35	0	0.00	24	0	0.00			
	Other-Lo Lim.	6.5	87	53	0.61	28	22	0.79	35	17	0.49	24	14	0.58			
00403 PH, LAB	Fresh Chronic	9.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	9	7	0.78	3	2	0.67	3	3	1.00	3	2	0.67			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	52	0	0.00	12	0	0.00	24	0	0.00	16	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	37	0	0.00	10	0	0.00	16	0	0.00	11	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	2	0	0.00	8	0	0.00	5	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01002 ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	1	0	0.00	6	0	0.00	5	0	0.00			
	Drinking Water	50.	12	0	0.00	1	0	0.00	6	0	0.00	5	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	22	0	0.00	3	0	0.00	10	0	0.00	9	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	22	4	0.18	3	0	0.00	10	2	0.20	9	2	0.22			
	Drinking Water	1300.	22	0	0.00	3	0	0.00	10	0	0.00	9	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	18	0	0.00	3	0	0.00	9	0	0.00	6	0	0.00			
	Drinking Water	15.	18	1	0.06	3	0	0.00	9	1	0.11	6	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00				6	0	0.00	3	0	0.00			
	Drinking Water	100.	9	0	0.00				6	0	0.00	3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	21	0	0.00	3	0	0.00	9	0	0.00	9	0	0.00			
	Drinking Water	5000.	21	0	0.00	3	0	0.00	9	0	0.00	9	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	17	6	0.35	9	3	0.33	4	2	0.50	4	1	0.25			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	68	15	0.22	18	5	0.28	30	5	0.17	20	5	0.25			
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	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						
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	21	0	0.00	4	0	0.00	10	0	0.00	7	0	0.00			
	Drinking Water	2.	21	0	0.00	4	0	0.00	10	0	0.00	7	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/23/76	24	25.	23.888	27.8	15.6	15.577	3.947	16.4	21.375	27.2	27.8
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	23	7.8	8.196	11.	6.4	1.995	1.412	6.64	7.1	9.	10.84
00400 PH (STANDARD UNITS)		07/01/68-02/23/76	24	7.15	7.275	8.7	6.5	0.377	0.614	6.6	6.825	7.5	8.6
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/23/76	24	7.147	7.015	8.7	6.5	0.447	0.669	6.6	6.825	7.5	8.6
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/23/76	24	0.071	0.097	0.316	0.002	0.008	0.089	0.003	0.032	0.15	0.258

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/23/76	25	6.7	7.18	15.	-1.1	16.323	4.04	3.9	4.15	10.	13.74
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	26	11.6	11.281	14.	5.2	2.767	1.663	9.71	10.575	12.45	12.86
00400 PH (STANDARD UNITS)		07/01/68-02/23/76	26	6.9	7.008	8.3	6.	0.208	0.456	6.64	6.775	7.325	7.59
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/23/76	26	6.9	6.81	8.3	6.	0.248	0.498	6.64	6.775	7.325	7.59
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/23/76	26	0.126	0.155	1.	0.005	0.035	0.187	0.027	0.048	0.169	0.235

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/68-02/23/76	18	15.85	16.467	27.8	7.8	30.933	5.562	9.78	11.1	20.725	25.82
00300 OXYGEN, DISSOLVED	MG/L	07/01/68-02/23/76	19	9.	8.716	11.	4.	3.17	1.781	6.2	7.6	10.	11.
00400 PH (STANDARD UNITS)		07/01/68-02/23/76	18	7.2	7.083	7.5	6.5	0.119	0.345	6.5	6.775	7.35	7.5
00400 CONVERTED PH (STANDARD UNITS)		07/01/68-02/23/76	18	7.2	6.951	7.5	6.5	0.138	0.371	6.5	6.775	7.35	7.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/01/68-02/23/76	18	0.063	0.112	0.316	0.032	0.009	0.093	0.032	0.045	0.169	0.316

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

Annual Analysis for 1972 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	12	12.2	13.092	25.	2.2	48.234	6.945	2.86	8.45	18.625	23.68
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	12	9.8	10.025	14.	7.4	5.266	2.295	7.43	7.7	11.75	13.82
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	12	6.5	6.6	7.	6.4	0.038	0.195	6.4	6.425	6.775	6.94
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	12	6.5	6.564	7.	6.4	0.04	0.199	6.4	6.425	6.775	6.94
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	12	0.316	0.273	0.398	0.1	0.011	0.105	0.118	0.169	0.378	0.398
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	11##	50.	709.091	6000.	50.	3133409.091	1770.144	50.	50.	400.	4960.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	11##	1.699	2.162	3.778	1.699	0.469	0.685	1.699	1.699	2.602	3.603
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		145.094									

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

Annual Analysis for 1973 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	12	16.15	16.075	26.7	3.9	65.142	8.071	4.56	8.175	24.75	26.7
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	12	9.	9.367	12.4	6.4	2.908	1.705	6.82	8.25	10.9	12.1
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	12	6.5	6.567	7.	6.2	0.059	0.242	6.26	6.425	6.725	7.
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	12	6.5	6.513	7.	6.2	0.062	0.249	6.26	6.425	6.725	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	12	0.316	0.307	0.631	0.1	0.021	0.145	0.1	0.198	0.378	0.561
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	12##	50.	300.	2800.	50.	621818.182	788.554	50.	50.	100.	2020.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	12##	1.699	1.945	3.447	1.699	0.261	0.511	1.699	1.699	2.	3.103
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		88.104									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	10	15.55	15.84	23.9	6.7	41.903	6.473	7.03	10.	22.1	23.84
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	10	8.95	9.32	12.4	7.3	3.235	1.799	7.31	7.7	11.05	12.28
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	10	6.5	6.63	7.1	6.2	0.08	0.283	6.22	6.475	6.85	7.09
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	10	6.5	6.554	7.1	6.2	0.086	0.294	6.22	6.475	6.85	7.09
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	10	0.316	0.279	0.631	0.079	0.027	0.165	0.081	0.144	0.337	0.608
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	9##	50.	227.778	1000.	50.	100694.444	317.324	50.	50.	350.	1000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	9##	1.699	2.064	3.	1.699	0.251	0.501	1.699	1.699	2.54	3.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		115.819									

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	6	13.6	13.333	21.1	5.	43.487	6.594	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	6	9.95	9.983	11.6	8.3	2.222	1.491	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	6	7.	7.067	7.5	6.8	0.079	0.28	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	6	7.	7.001	7.5	6.8	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	6	0.1	0.1	0.158	0.032	0.003	0.053	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	6##	50.	75.	200.	50.	3750.	61.237	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	6##	1.699	1.799	2.301	1.699	0.06	0.246	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		62.996									

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

Annual Analysis for 1971 - Station FRSP0036

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 =		240.932									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	11##	0.05	0.091	0.3	0.05	0.007	0.083	0.05	0.05	0.1	0.28
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	11	0.04	0.04	0.08	0.01	0.	0.019	0.012	0.03	0.05	0.076

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

Annual Analysis for 1972 - Station FRSP0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	11	15.6	15.427	27.8	2.2	83.378	9.131	2.88	6.1	25.6	27.58
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	12	10.5	10.233	14.	7.8	4.544	2.132	7.8	8.	12.1	13.58
00400 PH (STANDARD UNITS)	07/01/68-02/23/76	12	7.	7.042	8.5	6.5	0.259	0.509	6.56	6.7	7.175	8.11
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	12	7.	6.889	8.5	6.5	0.284	0.533	6.56	6.7	7.175	8.11
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	12	0.1	0.129	0.316	0.003	0.007	0.085	0.021	0.067	0.2	0.281
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	12	0.07	0.105	0.31	0.005	0.01	0.101	0.007	0.035	0.128	0.307
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	12	0.01	0.011	0.02	0.005	0.	0.004	0.007	0.01	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	12	0.49	0.569	1.189	0.04	0.107	0.327	0.073	0.393	0.858	1.099
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	12	0.3	0.358	0.6	0.1	0.021	0.144	0.13	0.3	0.5	0.57
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	12	150.	1293.333	6000.	20.	4537533.333	2130.149	29.	62.5	2175.	5730.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	12	2.151	2.45	3.778	1.301	0.687	0.829	1.42	1.774	3.268	3.757
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		281.525									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	12##	0.05	0.058	0.1	0.05	0.	0.019	0.05	0.05	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	12	0.025	0.182	1.799	0.01	0.26	0.51	0.013	0.02	0.06	1.286

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

Annual Analysis for 1973 - Station FRSP0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	12	15.	15.7	27.8	3.9	73.356	8.565	4.23	7.8	25.4	27.8
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	12	10.6	10.025	12.6	6.4	3.229	1.797	6.76	8.5	10.95	12.36
00400 PH (STANDARD UNITS)	07/01/68-02/23/76	12	6.95	7.075	7.6	6.7	0.131	0.362	6.7	6.725	7.475	7.57
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	12	6.925	6.955	7.6	6.7	0.147	0.383	6.7	6.725	7.475	7.57
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	12	0.119	0.111	0.2	0.025	0.005	0.074	0.027	0.034	0.189	0.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	10##	0.05	0.051	0.1	0.03	0.	0.019	0.03	0.045	0.05	0.095
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	11##	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)	03/18/70-02/23/76	11	0.6	0.703	1.199	0.22	0.101	0.318	0.24	0.47	0.99	1.179
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	11	0.3	0.3	0.5	0.05	0.026	0.16	0.05	0.2	0.4	0.5
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	11	200.	1018.182	3900.	50.	2144636.364	1464.458	50.	50.	1200.	3880.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	11	2.301	2.476	3.591	1.699	0.595	0.772	1.699	1.699	3.079	3.589
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		299.066									
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	11##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	11##	0.05	0.046	0.05	0.03	0.	0.008	0.03	0.05	0.05	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

Annual Analysis for 1974 - Station FRSP0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	10	18.6	16.62	27.8	-1.1	95.724	9.784	6.81	1.125	25.15	27.58
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	10	7.8	8.76	11.6	6.2	4.958	2.227	6.22	7.	11.3	11.6
00400 PH (STANDARD UNITS)	07/01/68-02/23/76	10	6.9	7.19	8.7	6.5	0.441	0.664	6.52	6.775	7.575	8.61
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	10	6.889	6.924	8.7	6.5	0.52	0.721	6.52	6.775	7.575	8.61

** - 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 box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	28	21.7	21.554	27.8	11.7	14.923	3.863	14.94	20.15	25.	25.71
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	28	7.55	7.461	9.3	5.2	1.121	1.059	5.94	6.825	8.15	9.
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	28	6.4	6.389	7.1	5.5	0.128	0.358	6.	6.05	6.5	7.
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	28	6.4	6.242	7.1	5.5	0.151	0.389	6.	6.05	6.5	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	28	0.398	0.573	3.162	0.079	0.353	0.594	0.1	0.316	0.908	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	12##	0.05	0.104	0.4	0.05	0.011	0.105	0.05	0.05	0.138	0.34
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	12##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.017
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	10	0.1	0.101	0.19	0.025	0.003	0.052	0.027	0.055	0.14	0.185
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	12	0.5	0.558	0.9	0.1	0.079	0.281	0.13	0.325	0.875	0.9
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	3##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	3##	5.	10.	20.	5.	75.	8.66	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	18##	50.	869.444	8000.	50.	5101805.556	2258.718	50.	50.	225.	6200.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	18##	1.699	2.097	3.903	1.699	0.488	0.698	1.699	1.699	2.345	3.791
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	125.092								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	12##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	12##	0.05	0.039	0.1	0.005	0.001	0.028	0.005	0.009	0.05	0.085

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	35	6.7	7.509	18.5	0.8	18.91	4.349	2.56	3.9	10.	14.22
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	35	11.	10.626	14.	5.4	4.005	2.001	7.72	9.6	12.	12.76
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	35	6.6	6.616	7.5	5.5	0.147	0.384	6.2	6.5	7.	7.
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	35	6.6	6.417	7.5	5.5	0.188	0.434	6.2	6.5	7.	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	35	0.251	0.383	3.162	0.032	0.31	0.557	0.1	0.1	0.316	0.631
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	24##	0.05	0.057	0.2	0.	0.001	0.037	0.02	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	24##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	16	0.125	0.138	0.41	0.01	0.009	0.094	0.021	0.1	0.158	0.291
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	24	0.3	0.356	0.95	0.05	0.041	0.201	0.075	0.3	0.475	0.65
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	10##	5.	5.5	10.	5.	2.5	1.581	5.	5.	5.	9.5
01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	10##	5.	11.	40.	5.	165.556	12.867	5.	5.	11.25	39.
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	9	20.	29.444	90.	5.	752.778	27.437	5.	10.	45.	90.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	30##	50.	101.667	800.	0.	21462.644	146.501	50.	50.	100.	200.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	30##	1.699	1.799	2.903	0.	0.207	0.455	1.699	1.699	2.	2.301
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	62.91								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	24##	0.05	0.09	0.4	0.05	0.006	0.079	0.05	0.05	0.1	0.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	24	0.02	0.043	0.35	0.005	0.005	0.071	0.005	0.01	0.05	0.1

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

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	24	16.95	16.263	26.7	6.7	31.304	5.595	8.6	11.525	18.9	25.5
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	24	8.65	8.792	11.6	6.2	2.511	1.585	6.35	7.65	10.	11.2
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	24	6.5	6.588	7.5	6.	0.119	0.346	6.2	6.325	6.775	7.15
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	24	6.5	6.481	7.5	6.	0.131	0.362	6.2	6.325	6.775	7.15
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	24	0.316	0.331	1.	0.032	0.048	0.219	0.075	0.169	0.475	0.631
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	16	0.08	0.117	0.46	0.05	0.012	0.108	0.05	0.05	0.175	0.278
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	16##	0.005	0.006	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.013
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	11	0.14	0.185	0.4	0.07	0.011	0.104	0.078	0.11	0.25	0.388
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	16	0.5	0.519	0.9	0.2	0.039	0.197	0.27	0.4	0.7	0.83

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

Parameter Inventory for Station: FRSP0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/01/68-01/23/72	13	3.176	3.119	4.362	1.633	0.614	0.784	1.925	2.633	3.837	4.234
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506		GEOMETRIC MEAN =		1314.425								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	51	100.	852.353	6000.	20.	2368022.353	1538.838	50.	50.	700.	3880.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	51	2.	2.301	3.778	1.301	0.524	0.724	1.699	1.699	2.845	3.589
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		200.073								
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/15/71-07/15/71	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	05/19/74-08/09/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	59##	0.05	0.064	0.3	0.025	0.002	0.045	0.05	0.05	0.05	0.1
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	59	0.05	0.068	1.799	0.005	0.053	0.23	0.01	0.02	0.05	0.06
71900 MERCURY, TOTAL (UG/L AS HG)	09/02/70-10/21/75	16##	0.25	0.266	0.5	0.25	0.004	0.063	0.25	0.25	0.25	0.325

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

EPA Water Quality Criteria Analysis for Station: FRSP0036

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	1	0.25	1	1	1.00				3	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	68	1	0.01	23	0	0.00	26	0	0.00	19	1	0.05			
00400 PH	Fresh Chronic	9.	68	0	0.00	24	0	0.00	26	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	68	6	0.09	24	2	0.08	26	2	0.08	18	2	0.11			
00403 PH, LAB	Fresh Chronic	9.	8	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00			
	Other-Lo Lim.	6.5	8	1	0.13	2	1	0.50	2	0	0.00	4	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	59	0	0.00	18	0	0.00	24	0	0.00	17	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	59	0	0.00	18	0	0.00	24	0	0.00	17	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01002 ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00			
	Drinking Water	50.	7	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1&	1	1.00							1	1	1.00			
	Drinking Water	5.	1&	1	1.00							1	1	1.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	16	3	0.19	3	0	0.00	7	1	0.14	6	2	0.33			
	Drinking Water	1300.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	14	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00			
	Drinking Water	15.	14	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00				3	0	0.00	1	0	0.00			
	Drinking Water	100.	4	0	0.00				3	0	0.00	1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	17	0	0.00	3	0	0.00	7	0	0.00	7	0	0.00			
	Drinking Water	5000.	17	0	0.00	3	0	0.00	7	0	0.00	7	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	13	7	0.54	8	3	0.38	2	2	1.00	3	2	0.67			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	51	22	0.43	13	4	0.31	24	16	0.67	14	2	0.14			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00	1	0	0.00									
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	1	0	0.00				1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	16	0	0.00	4	0	0.00	7	0	0.00	5	0	0.00			
	Drinking Water	2.	16	0	0.00	4	0	0.00	7	0	0.00	5	0	0.00			

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

Station Inventory for Station: FRSP0041

NPS Station ID: FRSP0041 LAT/LON: 38.340281/ -77.503616 Agency: 21VASWCB Date Created: 05/18/98
Location: RT. 670 FIPS State/County: 51179 VIRGINIA/STAFFORD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 3-XDL000.30
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 3-RAPPAHANOCK ECO Region:
RF1 Index: 02080104 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
RIVER: TRIB TO TRIB ENGLAND RUN SECTION: 04B TOPO MAP #: 183D TOPO MAP NAME: SALEM CHURCH

Parameter Inventory for Station: FRSP0041

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

******** No Parameter Data Available for this Station ********

EPA Water Quality Criteria Analysis for Station: FRSP0035

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00406 PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
	Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						

& - 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: FRSP0042

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15- 3/31 Obs	10/15- 3/31 Exceed	10/15- 3/31 Prop.	4/01- 6/30 Obs	4/01- 6/30 Exceed	4/01- 6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: FRSP0034

NPS Station ID: FRSP0034 LAT/LON: 38.300004/ -77.472226 Agency: 1113VABD Date Created: / /
Location: R OFF VA RT 3 BRIDGEFREDERICKSBG FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC 6
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080104 Depth of Water: 0 Aquifer:
Major Basin: RAPPAHANNOCK RIVER Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK ECO Region:
RF1 Index: 02080104042 RF1 Mile Point: 5.580 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

Parameter Inventory for Station: FRSP0034

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

******** No Parameter Data Available for this Station ********

Parameter Inventory for Station: FRSP0043

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027 CADMIUM, TOTAL (UG/L AS CD)	03/06/84-07/21/94	2##	1.	1.	1.5	0.5	0.5	0.707	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/06/84-07/21/94	2##	3.	3.	5.	1.	8.	2.828	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	03/06/84-07/21/94	2##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/06/84-06/25/97	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	07/21/94-07/21/94	1	3950.	3950.	3950.	3950.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	03/06/84-07/21/94	2##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/06/84-06/25/97	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/21/94-07/21/94	1	757.	757.	757.	757.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	03/06/84-07/21/94	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/06/84-07/21/94	2##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/06/84-06/25/97	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/21/94-07/21/94	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/24/94-11/23/98	25	100.	588.	8000.	50.	2540683.333	1593.952	50.	50.	450.	1300.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/24/94-11/23/98	25	2.	2.179	3.903	1.699	0.386	0.621	1.699	1.699	2.651	3.106
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	150.977								
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/21/94-07/21/94	1	34.	34.	34.	34.	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/94-11/23/98	25	0.04	0.033	0.07	0.005	0.	0.019	0.005	0.01	0.05	0.054
71900 MERCURY, TOTAL (UG/L AS HG)	03/06/84-07/21/94	2##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/06/84-06/25/97	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078 TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/24/94-06/23/94	3	12.	22.733	50.	6.2	566.013	23.791	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0043

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-6/30 Obs	4/01-6/30 Exceed	4/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	21	0	0.00	8	0	0.00	9	0	0.00	4	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	25	0	0.00	8	0	0.00	10	0	0.00	7	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400 PH	Fresh Chronic	9.	26	0	0.00	8	0	0.00	11	0	0.00	7	0	0.00			
	Other-Lo Lim.	6.5	26	1	0.04	8	0	0.00	11	1	0.09	7	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	25	0	0.00	8	0	0.00	10	0	0.00	7	0	0.00			
	Other-Lo Lim.	6.5	25	5	0.20	8	0	0.00	10	3	0.30	7	2	0.29			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	26	0	0.00	8	0	0.00	11	0	0.00	7	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	26	0	0.00	8	0	0.00	11	0	0.00	7	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	24	0	0.00	8	0	0.00	9	0	0.00	7	0	0.00			
	Drinking Water	250.	24	0	0.00	8	0	0.00	9	0	0.00	7	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	24	0	0.00	8	0	0.00	9	0	0.00	7	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
	Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
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						
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	2	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						
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.	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						
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
	Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
	Drinking Water	50.	1	0	0.00	1	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	25	9	0.36	8	4	0.50	10	2	0.20	7	3	0.43			
71900 MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
	Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/21/86-12/10/98	118	24.	23.042	31.3	9.8	17.809	4.22	17.27	20.5	26.	27.8
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		11/15/88-12/10/98	41	5.	43.415	360.	0.8	6874.193	82.911	1.8	2.3	56.	155.2
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/21/86-12/10/98	104	80.	80.183	138.	40.	177.898	13.338	65.	75.	87.	96.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		01/10/88-12/23/96	51	75.	73.196	103.	44.	134.161	11.583	58.	67.	80.	84.8
00096 SALINITY AT 25 DEGREES C (MG/ML)		07/21/86-11/15/94	71	0.	0.115	8.	0.	0.901	0.949	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	07/21/86-12/10/98	104	8.2	8.144	11.1	6.	1.048	1.024	6.7	7.425	8.775	9.55
00300 OXYGEN, DISSOLVED	MG/L	07/21/86-12/23/96	17	8.4	8.229	9.4	6.1	0.83	0.911	6.74	7.6	9.	9.32
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/10/88-03/15/94	24	1.	1.958	6.	0.5	2.194	1.481	0.75	1.	2.75	4.5
00400 PH (STANDARD UNITS)		07/21/86-12/10/98	115	7.2	7.259	9.35	5.8	0.353	0.594	6.66	6.9	7.52	8.04
00400 CONVERTED PH (STANDARD UNITS)		07/21/86-12/10/98	115	7.2	6.897	9.35	5.8	0.485	0.696	6.66	6.9	7.52	8.04
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/21/86-12/10/98	115	0.063	0.127	1.585	0.	0.055	0.234	0.009	0.03	0.126	0.22
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/10/88-12/10/98	105	6.	59.924	503.	0.5	12193.807	110.426	1.5	2.	59.	255.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		01/10/88-12/10/98	105	2.	8.448	56.	0.	163.134	12.772	1.	1.5	10.	32.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		01/10/88-12/10/98	105	4.	51.838	448.	0.5	9565.786	97.805	1.	1.5	50.	222.8
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	115	0.021	0.037	0.21	0.002	0.001	0.032	0.012	0.02	0.05	0.07
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	115##	0.005	0.014	1.	0.001	0.009	0.093	0.002	0.005	0.005	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	116	0.325	0.307	0.93	0.005	0.058	0.241	0.02	0.053	0.52	0.593
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		07/21/86-06/30/95	84	0.4	0.588	1.8	0.1	0.174	0.417	0.2	0.3	0.8	1.3
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/21/86-06/30/95	84	0.05	0.102	0.6	0.005	0.02	0.14	0.02	0.03	0.08	0.28
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		07/21/86-12/10/98	98	0.03	0.028	0.08	0.005	0.	0.016	0.01	0.02	0.04	0.05
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/21/86-12/10/98	117	0.015	0.018	0.09	0.003	0.	0.014	0.005	0.01	0.021	0.038
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/21/86-08/08/94	79	3.9	5.281	73.2	1.2	64.387	8.024	2.3	2.8	6.	8.1
00955 SILICA, DISSOLVED (MG/L AS SI02)		01/10/88-12/10/98	98	9.3	10.116	53.	3.8	39.753	6.305	6.58	7.775	11.	12.52

** - 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 box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/21/86-12/10/98	208	6.35	7.15	18.6	0.	15.715	3.964	2.28	4.	10.	13.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		11/15/88-12/10/98	59	12.2	39.137	220.	0.9	2898.884	53.841	2.7	4.5	52.	137.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		07/21/86-12/10/98	190	79.	79.716	135.	8.	245.062	15.654	62.1	71.	88.	94.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		01/10/88-12/23/96	98	78.5	81.541	135.	53.	186.21	13.646	66.8	74.75	89.25	98.1
00096 SALINITY AT 25 DEGREES C (MG/ML)		07/21/86-11/15/94	113	0.	0.053	6.	0.	0.319	0.564	0.	0.	0.	0.
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	07/21/86-12/10/98	186	11.95	11.963	15.1	7.2	2.509	1.584	9.8	11.	13.2	14.
00300 OXYGEN, DISSOLVED	MG/L	07/21/86-12/23/96	22	12.15	12.25	14.5	9.8	1.508	1.228	10.41	11.6	13.05	14.25
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/10/88-03/15/94	44	2.	2.477	11.	0.5	4.36	2.088	0.5	1.	3.75	5.5
00400 PH (STANDARD UNITS)		07/21/86-12/10/98	199	7.18	7.234	9.6	2.4	0.479	0.692	6.6	6.9	7.6	7.9
00400 CONVERTED PH (STANDARD UNITS)		07/21/86-12/10/98	199	7.18	4.696	9.6	2.4	6.949	2.636	6.6	6.9	7.6	7.9
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/21/86-12/10/98	199	0.066	20.125	3981.072	0.	79638.16	282.202	0.013	0.025	0.126	0.251
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		01/10/88-12/10/98	195	16.	68.059	844.	0.5	13016.073	114.088	1.5	3.	103.	215.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		01/10/88-12/10/98	194	3.	8.977	100.	0.5	172.511	13.134	1.	1.5	11.	26.5
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		01/10/88-12/10/98	195	13.	59.028	744.	0.5	10265.006	101.316	1.	2.	87.	187.2
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	211	0.02	0.042	0.27	0.002	0.002	0.042	0.013	0.02	0.056	0.09
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	211##	0.005	0.026	1.	0.001	0.019	0.137	0.003	0.005	0.005	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		07/21/86-12/10/98	212	0.63	0.588	1.2	0.002	0.062	0.249	0.071	0.48	0.76	0.84
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		07/21/86-06/30/95	172	0.4	0.53	2.6	0.05	0.185	0.43	0.2	0.2	0.675	1.1
00665 PHOSPHORUS, TOTAL (MG/L AS P)		07/21/86-06/30/95	174	0.05	0.123	0.8	0.01	0.02	0.141	0.02	0.03	0.173	0.365
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		07/21/86-12/10/98	172	0.02	0.024	0.08	0.005	0.	0.017	0.01	0.01	0.03	0.05
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		07/21/86-12/10/98	212	0.01	0.016	0.08	0.003	0.	0.013	0.005	0.006	0.02	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		07/21/86-08/08/94	149	4.	5.291	106.	1.1	77.234	8.788	1.8	2.55	5.9	8.1
00955 SILICA, DISSOLVED (MG/L AS SI02)		01/10/88-12/10/98	166	10.1	10.057	20.1	0.1	6.813	2.61	6.7	8.9	12.	13.

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/06/84-11/23/98	8	21.85	21.138	24.3	13.9	12.497	3.535	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/06/84-11/23/98	8	1.3	1.25	2.	0.5	0.334	0.578	**	**	**	**
00340 COD, .25N K2CR2O7	MG/L	03/06/84-11/23/98	7	16.	14.5	23.	2.5	46.917	6.85	**	**	**	**
00400 PH (STANDARD UNITS)		03/06/84-11/23/98	8	7.2	7.163	7.5	6.7	0.094	0.307	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		03/06/84-11/23/98	8	7.189	7.068	7.5	6.7	0.104	0.323	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/06/84-11/23/98	8	0.065	0.085	0.2	0.032	0.004	0.06	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	03/06/84-11/23/98	8	6.75	6.775	7.1	6.6	0.034	0.183	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		03/06/84-11/23/98	8	6.747	6.744	7.1	6.6	0.035	0.186	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/06/84-11/23/98	8	0.179	0.18	0.251	0.079	0.005	0.068	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	8	37.	35.75	46.	24.	46.5	6.819	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		03/06/84-11/23/98	8	95.5	101.75	144.	87.	343.929	18.545	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)		03/06/84-11/23/98	8	28.	31.25	67.	19.	224.786	14.993	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)		03/06/84-11/23/98	8	67.	70.5	82.	63.	62.857	7.928	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/06/84-11/23/98	8	8.5	16.813	73.	1.5	555.138	23.561	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/06/84-11/23/98	8	2.5	3.813	11.	1.5	10.924	3.305	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		03/06/84-11/23/98	8	6.5	13.063	62.	1.5	413.674	20.339	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/06/84-11/23/98	8##	0.04	0.055	0.14	0.02	0.002	0.044	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/06/84-11/23/98	8##	0.008	0.014	0.04	0.005	0.	0.014	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		03/06/84-11/23/98	8##	0.02	0.051	0.14	0.02	0.002	0.048	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/06/84-11/23/98	8	0.55	0.475	0.8	0.1	0.062	0.249	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		03/06/84-11/23/98	8	0.1	0.113	0.2	0.05	0.003	0.058	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	7	37.	37.143	48.	26.	40.81	6.388	**	**	**	**

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

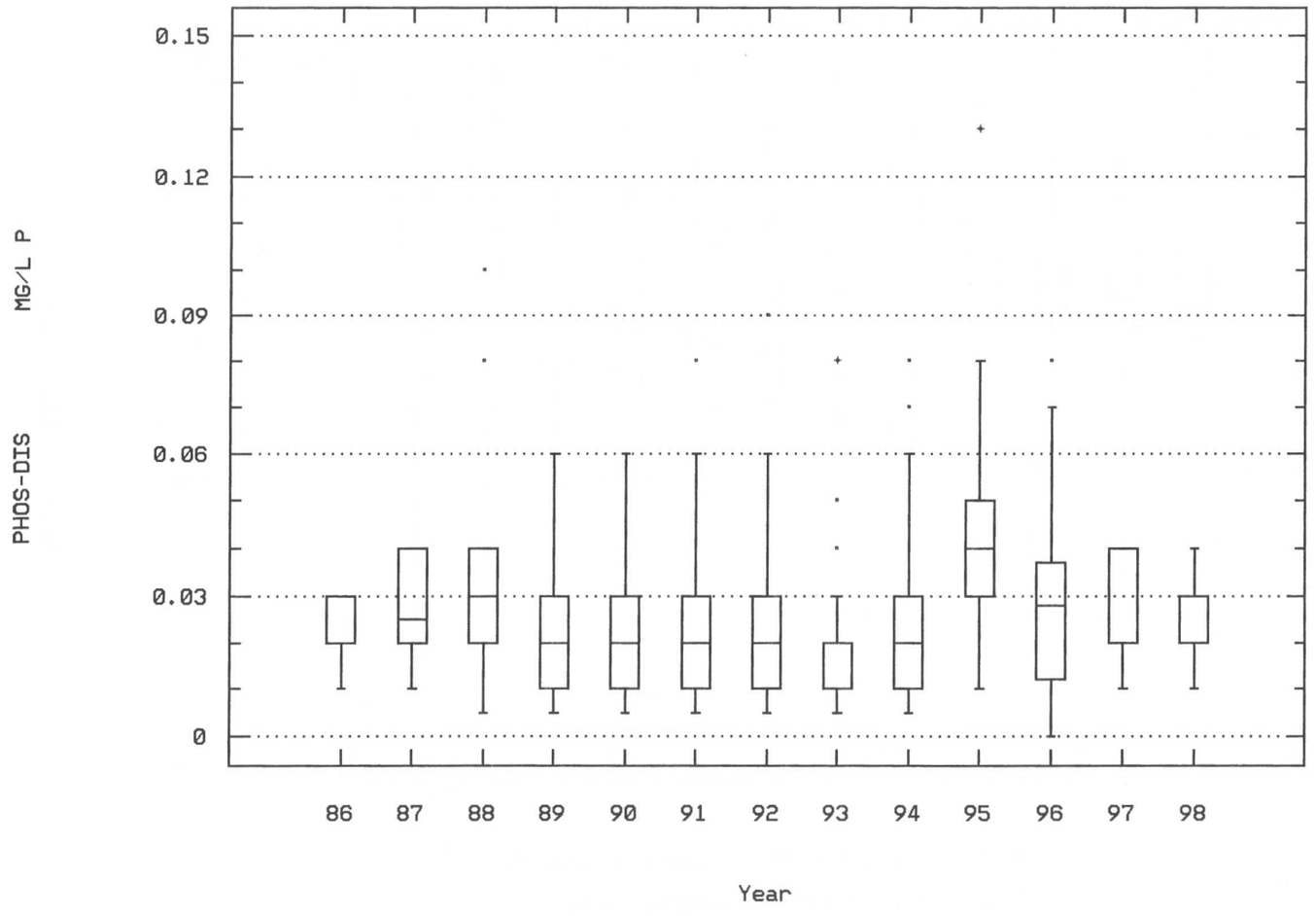
Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/06/84-11/23/98	11	5.4	6.664	13.	0.6	14.849	3.853	1.18	3.8	10.4	12.66
00310 BOD, 5 DAY, 20 DEG C	MG/L	03/06/84-11/23/98	11	1.	1.436	3.	0.5	0.495	0.703	0.6	1.	1.9	2.8
00340 COD, .25N K2CR2O7	MG/L	03/06/84-11/23/98	10	10.5	11.25	26.	2.5	44.292	6.655	2.75	6.5	15.	24.9
00400 PH (STANDARD UNITS)		03/06/84-11/23/98	11	7.4	7.309	7.8	6.5	0.157	0.396	6.56	7.	7.6	7.78
00400 CONVERTED PH (STANDARD UNITS)		03/06/84-11/23/98	11	7.4	7.118	7.8	6.5	0.197	0.444	6.56	7.	7.6	7.78
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/06/84-11/23/98	11	0.04	0.076	0.316	0.016	0.008	0.09	0.017	0.025	0.1	0.285
00403 PH, LAB, STANDARD UNITS	SU	03/06/84-11/23/98	10	6.7	6.64	7.1	6.	0.092	0.303	6.04	6.4	6.8	7.07
00403 CONVERTED PH, LAB, STANDARD UNITS		03/06/84-11/23/98	10	6.7	6.53	7.1	6.	0.105	0.324	6.04	6.4	6.8	7.07
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/06/84-11/23/98	10	0.2	0.295	1.	0.079	0.072	0.268	0.087	0.158	0.398	0.94
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	10	26.5	25.5	40.	12.	83.611	9.144	12.3	15.	31.5	39.6
00500 RESIDUE, TOTAL (MG/L)		03/06/84-11/23/98	11	80.	78.182	93.	60.	92.764	9.631	61.4	72.	84.	92.4
00505 RESIDUE, TOTAL VOLATILE (MG/L)		03/06/84-11/23/98	10	27.	26.5	50.	7.	122.5	11.068	8.2	20.5	30.75	48.3
00510 RESIDUE, TOTAL FIXED (MG/L)		03/06/84-11/23/98	10	52.5	52.8	64.	43.	43.956	6.63	43.1	49.25	56.75	63.8
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/06/84-11/23/98	10	6.	6.7	15.	1.5	21.622	4.65	1.6	2.875	10.75	14.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		03/06/84-11/23/98	10##	1.5	1.9	3.	1.5	0.433	0.658	1.5	1.5	2.625	3.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		03/06/84-11/23/98	10	4.	5.	12.	1.5	14.444	3.801	1.5	1.5	8.5	11.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/06/84-11/23/98	11##	0.02	0.029	0.06	0.02	0.	0.016	0.02	0.02	0.05	0.058
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		03/06/84-11/23/98	11##	0.005	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.026
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		03/06/84-11/23/98	11	0.08	0.125	0.34	0.02	0.012	0.11	0.02	0.02	0.2	0.328
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/06/84-11/23/98	11	0.3	0.291	0.6	0.1	0.025	0.158	0.1	0.2	0.4	0.58
00665 PHOSPHORUS, TOTAL (MG/L AS P)		03/06/84-11/23/98	11##	0.05	0.073	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00900 HARDNESS, TOTAL (MG/L AS CACO3)		03/06/84-11/23/98	10	30.	27.9	35.	18.	38.1	6.173	18.2	22.25	32.75	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

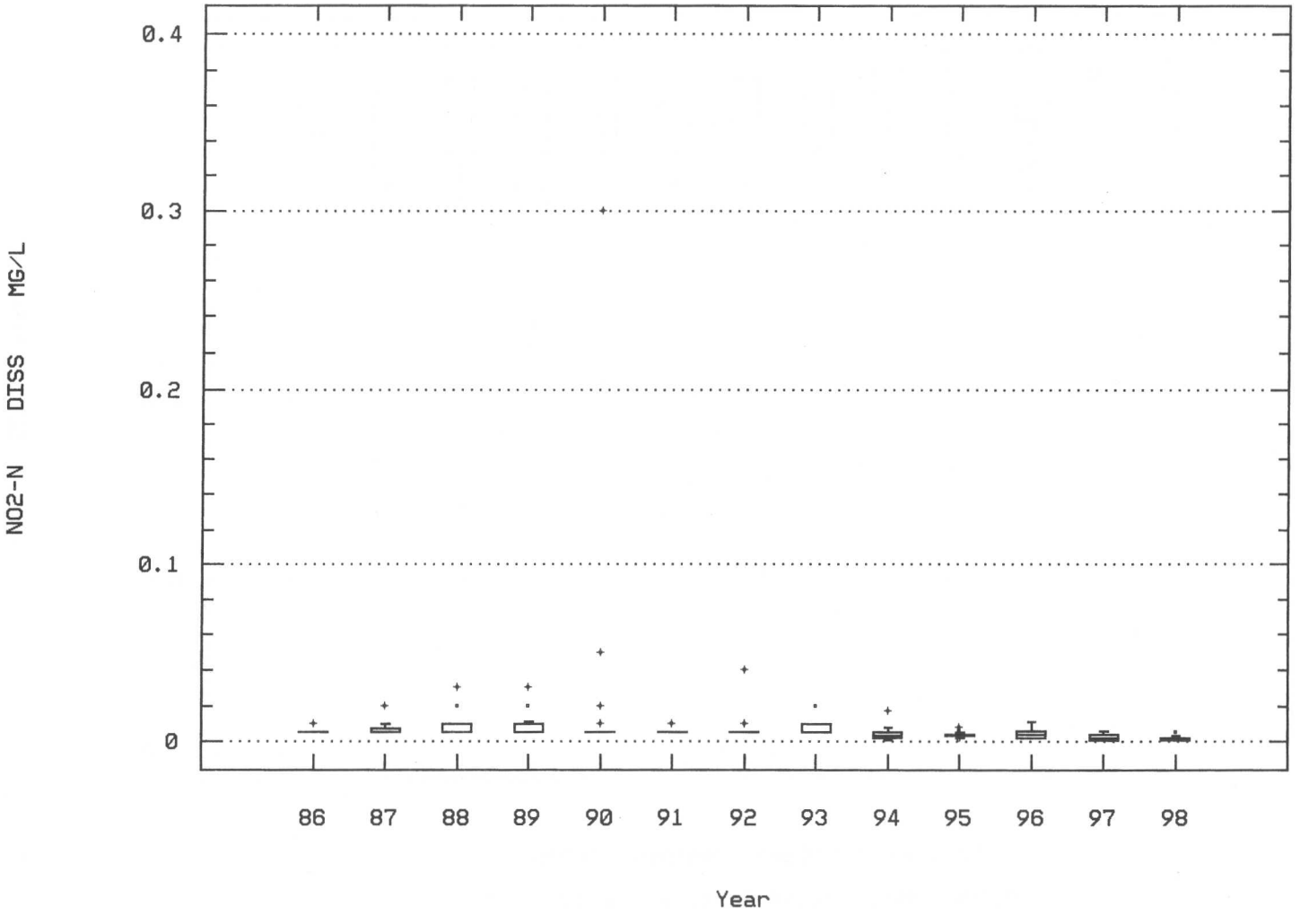
Station: FRSP0033 Parameter Code: 00666

PHOSPHORUS, DISSOLVED (MG/L AS P)

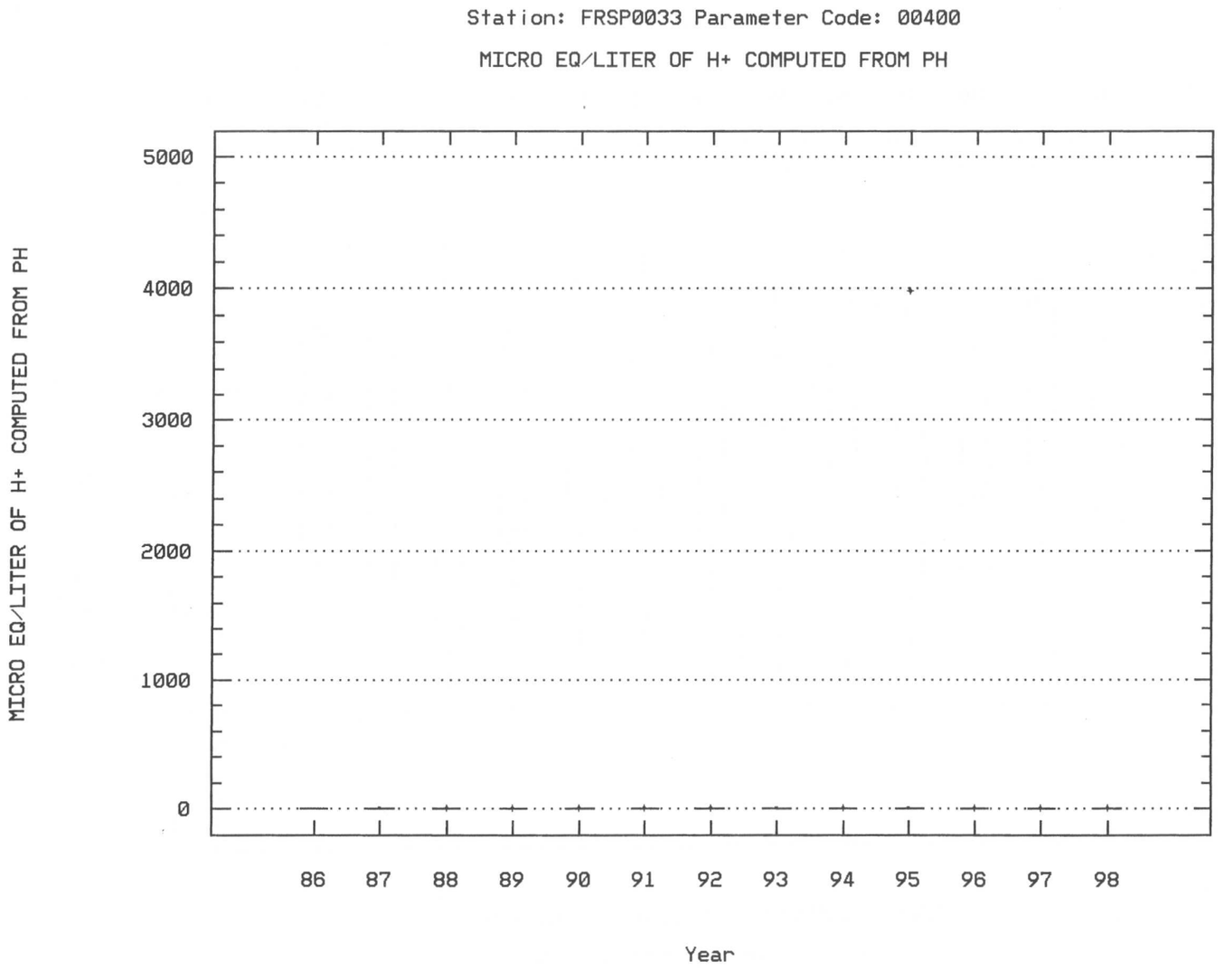


Station: FRSP0033 Parameter Code: 00613

NITRITE NITROGEN, DISSOLVED (MG/L AS N)



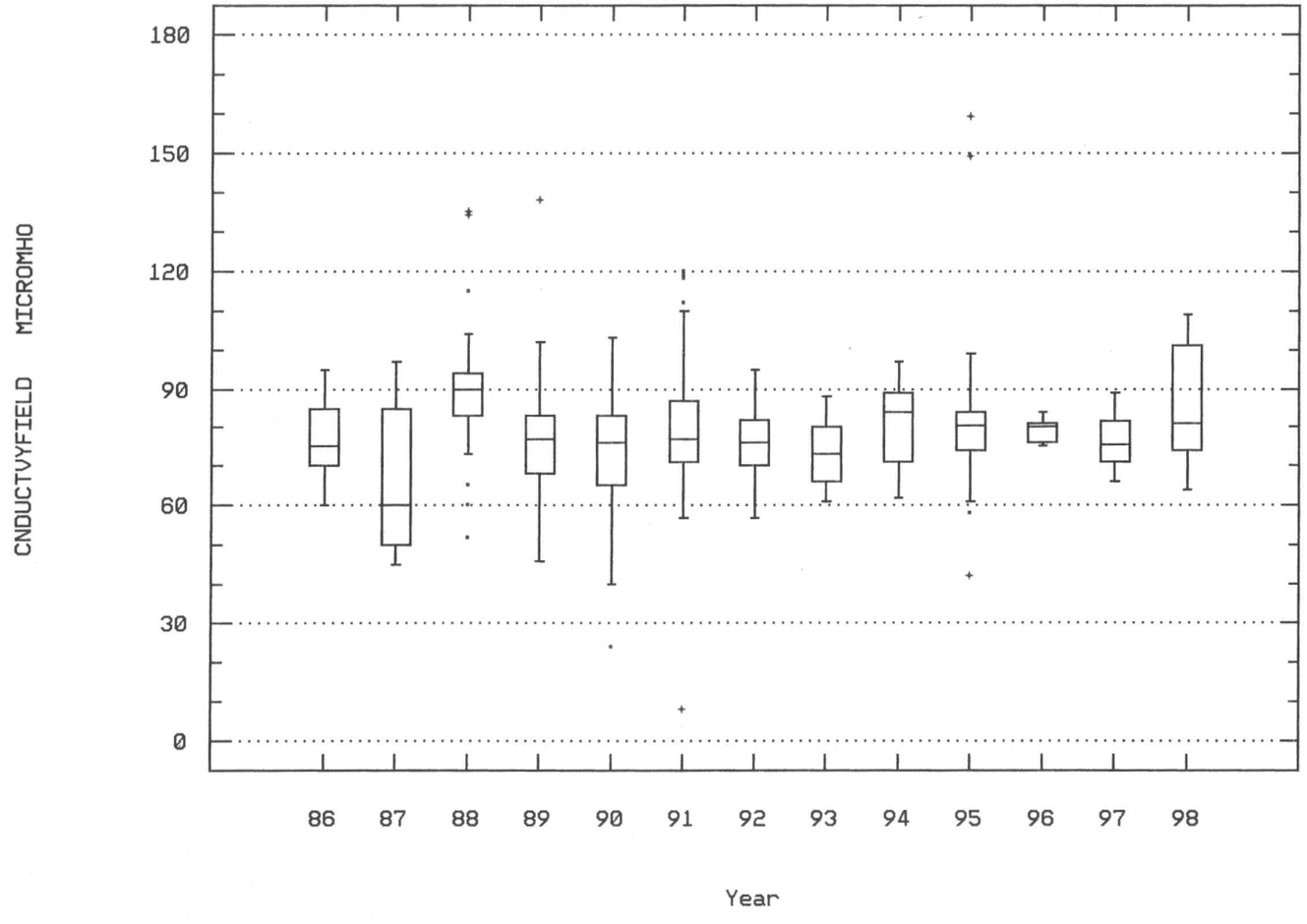
ROUTE 1, FREDERICKBURG



ROUTE 1, FREDERICKBURG

Station: FRSP0033 Parameter Code: 00094

SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @



ROUTE 1, FREDERICKBURG

Annual Analysis for 1996 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	33	0.028	0.028	0.08	0.	0.	0.019	0.008	0.012	0.039	0.054
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	55	0.019	0.021	0.058	0.003	0.	0.013	0.008	0.012	0.027	0.04
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	54	10.	11.807	53.	5.9	64.233	8.015	7.5	8.9	12.	13.
49567 PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP,WTR MG/L	03/14/95-12/10/98	30	0.032	0.161	1.15	0.006	0.061	0.248	0.009	0.012	0.248	0.481
49569 CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	30	0.68	3.119	24.	0.	23.731	4.871	0.2	0.342	4.175	9.51
49570 NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	28	0.106	0.537	3.6	0.	0.796	0.892	0.03	0.04	0.585	1.91
49571 NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	30	0.759	0.744	0.958	0.42	0.022	0.147	0.536	0.607	0.88	0.927
49572 PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	30	0.029	0.036	0.073	0.01	0.	0.021	0.013	0.015	0.057	0.065

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	8	19.65	18.6	27.7	9.3	56.394	7.51	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	10	5.35	6.54	22.	1.9	35.798	5.983	1.95	2.475	8.05	20.71
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	8	75.5	76.375	89.	66.	55.982	7.482	**	**	**	**
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	8	9.6	9.363	12.4	6.7	4.106	2.026	**	**	**	**
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	8	7.5	7.563	8.2	7.3	0.074	0.272	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	8	7.5	7.509	8.2	7.3	0.077	0.278	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	8	0.032	0.031	0.05	0.006	0.	0.012	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	8##	2.25	6.5	23.	1.5	68.714	8.289	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	8##	1.5	2.	4.	1.5	0.929	0.964	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	8##	1.5	5.125	19.	1.5	47.625	6.901	**	**	**	**
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	9	0.018	0.021	0.039	0.011	0.	0.01	0.011	0.014	0.028	0.039
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	9	0.002	0.003	0.006	0.001	0.	0.002	0.001	0.001	0.005	0.006
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	9	0.54	0.456	0.69	0.02	0.05	0.223	0.02	0.305	0.645	0.69
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	9	0.02	0.027	0.04	0.01	0.	0.011	0.01	0.02	0.04	0.04
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	9	0.011	0.012	0.018	0.006	0.	0.005	0.006	0.007	0.018	0.018
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	9	9.7	9.9	13.8	6.	7.015	2.649	6.	7.7	12.2	13.8
49567 PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP,WTR MG/L	03/14/95-12/10/98	9	0.005	0.008	0.029	0.001	0.	0.009	0.001	0.003	0.013	0.029
49569 CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	9	0.287	0.336	0.594	0.149	0.023	0.152	0.149	0.193	0.46	0.594
49570 NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	9	0.03	0.038	0.084	0.009	0.	0.022	0.009	0.023	0.051	0.084
49571 NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	9	0.763	0.713	1.025	0.253	0.069	0.262	0.253	0.506	0.935	1.025
49572 PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	9	0.024	0.023	0.04	0.009	0.	0.011	0.009	0.013	0.032	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

Annual Analysis for 1998 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	11	13.9	16.227	26.6	6.	60.656	7.788	6.12	8.9	25.2	26.4
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	9	4.1	8.3	26.5	0.9	99.93	9.996	0.9	1.45	16.1	26.5
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	11	81.	85.364	109.	64.	234.855	15.325	64.6	74.	101.	108.4
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	11	10.	10.318	13.6	8.2	3.472	1.863	8.22	8.7	11.8	13.42
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	11	7.5	7.455	7.9	6.8	0.093	0.305	6.86	7.4	7.6	7.88
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	11	7.5	7.343	7.9	6.8	0.106	0.326	6.86	7.4	7.6	7.88
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	11	0.032	0.045	0.158	0.013	0.002	0.041	0.013	0.025	0.04	0.143
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	9	5.	10.889	44.	1.5	208.486	14.439	1.5	1.5	19.	44.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	9##	1.5	2.667	7.	1.5	4.063	2.016	1.5	1.5	4.	7.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	9##	1.5	8.833	37.	1.5	152.125	12.334	1.5	1.5	16.	37.
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	9	0.014	0.022	0.05	0.012	0.	0.014	0.012	0.012	0.033	0.05
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	10##	0.001	0.002	0.005	0.001	0.	0.001	0.001	0.001	0.002	0.005
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	10	0.09	0.233	0.64	0.006	0.072	0.268	0.006	0.008	0.563	0.633
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	10	0.02	0.023	0.04	0.01	0.	0.009	0.01	0.018	0.03	0.039

** - Less than 9 observations ## - Computed with 50% or 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 FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	56##	0.005	0.006	0.04	0.005	0.	0.005	0.005	0.005	0.005	0.01
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	58	0.635	0.577	0.88	0.02	0.046	0.214	0.236	0.42	0.712	0.84
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	58	0.4	0.574	2.6	0.05	0.289	0.538	0.19	0.2	0.7	1.22
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	58	0.08	0.165	0.85	0.01	0.038	0.194	0.02	0.03	0.24	0.473
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	58	0.02	0.023	0.09	0.005	0.	0.016	0.01	0.01	0.03	0.041
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	58	0.01	0.013	0.06	0.005	0.	0.01	0.005	0.005	0.02	0.02
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	53	4.8	9.111	106.	1.2	286.721	16.933	1.7	2.55	9.9	14.08
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	58	10.	9.614	12.4	0.1	5.061	2.25	7.17	8.575	11.	12.

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

Annual Analysis for 1993 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	28	15.75	14.386	28.5	2.	86.337	9.292	2.63	5.	22.45	27.02
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	21	14.6	48.376	180.	0.4	3653.631	60.445	0.94	2.4	93.	164.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	28	73.	72.929	88.	61.	67.55	8.219	62.	65.5	80.	85.2
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	27	9.8	10.159	15.	6.1	6.268	2.504	6.78	8.5	12.2	13.96
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	28	7.	7.13	8.	6.5	0.163	0.404	6.69	6.9	7.5	7.9
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	28	7.	6.985	8.	6.5	0.185	0.43	6.69	6.9	7.5	7.9
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	28	0.1	0.104	0.316	0.01	0.006	0.077	0.013	0.032	0.126	0.205
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	26	6.	56.885	314.	1.5	9202.826	95.931	1.5	1.5	95.25	272.5
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	26	1.5	6.577	33.	1.	90.654	9.521	1.	1.	10.	25.7
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	26	5.	50.769	282.	1.5	7431.305	86.205	1.5	1.5	85.25	246.5
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	27	0.04	0.041	0.1	0.02	0.001	0.023	0.02	0.02	0.05	0.068
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	27##	0.005	0.007	0.02	0.005	0.	0.003	0.005	0.005	0.01	0.01
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	27	0.51	0.502	0.84	0.02	0.056	0.237	0.076	0.4	0.67	0.824
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	27	0.3	0.441	1.5	0.1	0.103	0.321	0.2	0.2	0.6	0.94
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	27	0.05	0.103	0.39	0.02	0.013	0.114	0.02	0.03	0.15	0.314
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	27	0.02	0.021	0.08	0.005	0.	0.017	0.009	0.01	0.02	0.05
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	27	0.01	0.013	0.07	0.005	0.	0.013	0.005	0.005	0.01	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	26	3.9	4.769	11.9	2.1	6.785	2.605	2.3	2.8	6.125	9.5
00955 SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	27	9.5	9.452	12.4	6.3	2.873	1.695	6.54	8.1	10.8	12.04

** - 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

Annual Analysis for 1994 - Station FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	31	15.6	16.213	29.5	0.5	73.037	8.546	3.1	10.	23.	27.4
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	27	4.4	17.289	169.	1.2	1346.804	36.699	1.54	2.1	9.7	74.
00094p SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	31	84.	81.29	97.	62.	102.213	10.11	65.2	71.	89.	92.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00096 SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	9	0.	0.889	8.	0.	7.111	2.667	0.	0.	0.	8.
00299p OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	30	9.3	9.677	14.6	6.5	4.647	2.156	6.86	7.875	11.05	13.52
00400p PH (STANDARD UNITS)	07/21/86-12/10/98	31	7.3	7.324	8.2	6.4	0.211	0.46	6.62	7.02	7.7	7.88
00400p CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	31	7.3	7.095	8.2	6.4	0.265	0.515	6.62	7.02	7.7	7.88
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	31	0.05	0.08	0.398	0.006	0.008	0.09	0.013	0.02	0.095	0.241
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	28	4.5	20.821	174.	1.5	1444.708	38.009	1.5	1.5	26.5	83.5
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	28##	1.5	4.393	23.	1.5	35.933	5.994	1.5	1.5	4.	13.1
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	28	3.	17.054	151.	1.5	1084.673	32.934	1.5	1.5	13.	71.5
00608p NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	31	0.018	0.022	0.116	0.005	0.	0.022	0.005	0.008	0.031	0.047
00613p NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	31	0.003	0.004	0.017	0.001	0.	0.003	0.001	0.002	0.005	0.006
00618p NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	31	0.45	0.399	0.95	0.002	0.073	0.27	0.005	0.17	0.55	0.754

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