Baseline Water Quality Data

Inventory and Analysis

Petersburg National Battlefield



Water Resources Division and Servicewide Inventory and Monitoring Program

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

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

PETERSBURG NATIONAL BATTLEFIELD

National Park Service
Water Resources Division
Fort Collins, CO 80525

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EXECUTIVE SUMMARY

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

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located 33 industrial/municipal dischargers; four drinking water intakes; three active or inactive U. S. Geological Survey (USGS) stream gages; and 19 water impoundments. The results of the STORET retrieval for the study area yielded 78,161 observations for 397 separate parameters collected by the NPS, USGS, EPA, Virginia Department of Environmental Quality, and Maryland Department of Natural Resources at 114 monitoring stations. Of the 114 monitoring stations, 15 stations within the study area (none within the park boundary) were established but contained no data. Only four stations were located within the park boundary (see Station Period of Record Tabulation).

Most of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Twenty-nine stations within the study area (none within the park boundary) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longest-term records within the study area, but outside of the park boundary, are: (1) Rt. 10 Bridge (PETE 0018); (2) Rt. 36 Bridge (PETE 0080); (3) Rt. 156 Bridge Below Hopewell (PETE 0004); (4) Buoy 8 (City Of Hopewell) (PETE 0040); (5) Buoy 126 (PETE 0027); (6) Rt. 708 Bridge, Lake Chesdin (PETE 0109); (7) Appomattox River at Matoaca, VA (PETE 0088); and (8) Red Buoy 107 (County of Prince George) (PETE 0007)[†].

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the PETE water quality criteria screen found 15 groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, chlorine, cadmium, copper, lead, selenium, and zinc exceeded their respective EPA criteria for the protection of freshwater aquatic life. Nitrate, nitrite, chloride, arsenic, cadmium, and lead exceeded their respective EPA drinking water criteria. Bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively.

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

Dissolved oxygen concentrations were measured 4,830 times at 67 monitoring stations from 1968 to 1996. Of the 4,384 observations used in the criteria analysis (see Media Type Screen in the Methodology for explanation), 269 observations at 25 stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life. A station in Bailey Creek at the Route 10 Bridge (PETE 0018) and a station in the James River (PETE 0002) accounted for approximately 72 percent of the observations exceeding this criterion.

The pH was measured 4,230 times at 80 monitoring stations from 1945 to 1996. Of the 3,879 observations used in the criteria analysis (see Media Type Screen in the Methodology for explanation), 441 observations at 51 stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life). Sixty-five observations were greater than or equal to pH 9.0 and 376 observations were less than or equal to pH 6.5. Approximately 75 percent of the observations greater than or equal to pH of 9.0 SU occurred in Bailey Creek at the Route 10 Bridge (PETE 0018) from 1968 through 1994, including the highest reported pH of 11.5 SU in April 1969. The lowest pH of 1.0 SU was reported once in the Appomattox River at the Route 600 Bridge near Ferndale Park (PETE 0083) in November 1974 and twice in Bailey Creek at the Route 10 Bridge (PETE 0018) in October 1977 and June 1978.

Turbidity was measured 906 times at 19 monitoring stations from 1971 to 1996. Of the 807 observations used in the criteria analysis (see Media Type Screen in the Methodology for explanation), 73 observations at eight stations in the Appomattox River (PETE 0040, PETE 0080, PETE 0088, PETE 0090), Bailey Creek (PETE 0018), and the James River (PETE 0004, PETE 0007, PETE 0042) exceeded the WRD screening criterion of 50 turbidity units (JTU/FTU/NTU). Approximately 52 percent of the observations exceeding the criterion were reported in the Appomattox River near Matoaca (PETE 0088 and PETE 0090) from 1978 through 1995. The highest reported value of 156 FTU was in the James River at Red Buoy 107 (PETE 0007) in January 1996.

Total coliform concentrations were measured 251 times at 19 monitoring stations from 1968 through 1986. Of the 199 observations used in the criteria analysis (see Media Type Screen in the Methodology for explanation), 102 observations at 15 stations exceeded the WRD bathing water criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml). Approximately 81 percent of the observations exceeding the criterion occurred in the northeast section of the study area, including the highest reported concentration of 2,300,000 MPN/100 ml in Bailey Creek at the Route 10 Bridge (PETE 0018) in August 1968. Fecal coliform concentrations were measured 2,263 times at 50 monitoring stations from 1970 to 1996. Of the 2,190 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), 876 observations at 43 stations exceeded the WRD bathing water criterion of 200 CFU/MPN/100 ml. Approximately 81 percent of the observations exceeding the criterion occurred in the northeast section of the study area, including the highest reported concentration of at least 780,000 CFU/100 ml in Bailey Creek at the Route 10 Bridge (PETE 0018) in December 1970.

Nitrate concentrations (including dissolved and total as N, and dissolved as NO_3) were measured 2,920 times at 45 monitoring stations from 1929 to 1996. Of the 2,527 observations used in the criteria analysis (see Media and Composite Type Screens in the Methodology for explanation), one total concentration of 11.89 mg/L in Bailey Creek at the Route 10 Bridge (PETE 0018) exceeded the drinking water criterion of 10 mg/L in May 1976.

Nitrite concentrations (including dissolved and total as N) were measured 3,075 times at 43 monitoring stations from 1969 to 1996. Of the 2,711 observations used in the criteria analysis (see Media Type Screen in the Methodology for explanation), eight total concentrations, ranging from 1.019 mg/L to 3.899 mg/L, at four monitoring stations in Bailey Creek (PETE 0018, PETE 0044) and the James River (PETE 0004, PETE 0027) exceeded the drinking water criterion of 1 mg/L from 1969 through 1985. The highest reported value of 3.899 mg/L was in Bailey Creek at the Route 10 Bridge (PETE 0018) in March 1976.

Total chloride concentrations were measured 716 times at 27 monitoring stations from 1929 to 1996. Of the 679 observations used in the criteria analysis (see Remark Code and Composite Type Screens in the Methodology for

explanation), one concentration of 250 mg/L in Bailey Creek at the Route 10 Bridge (PETE 0018) equaled the secondary drinking water criterion of 250 mg/L in October 1972.

Total residual chlorine concentrations were measured 30 times at 11 monitoring stations from 1975 through 1983. Of the 28 observations used in the criteria analysis (see Media Type Screen in the Methodology for explanation), 13 observations, ranging from .10 mg/L to .30 mg/L, at seven stations in the James River (PETE 0004, PETE 0007, PETE 0029, PETE 0032, PETE 0042) and Appomattox River (PETE 0055, PETE 0095) exceeded the acute freshwater criterion of .019 mg/L from July 1983 through October 1983. Ten of the 13 observations exceeding the criterion occurred in the James River. The highest reported value of .30 mg/L occurred in the James River at Red Buoy 107 (PETE 0007) in July 1983, the James River at Buoy 137 (PETE 0042) in October 1983, and below Lake Chesdin Dam (PETE 0095) in September 1983.

Arsenic concentrations (including dissolved, suspended, and total) were measured 188 times at 23 monitoring stations from 1971 through 1993. One total concentration of 140 micrograms per liter (µg/L) in Bailey Creek at the Route 10 Bridge (PETE 0018) exceeded the drinking water criterion of 50 µg/L in November 1975.

Cadmium concentrations (including dissolved, suspended, and total) were measured 210 times at 24 monitoring stations from 1970 through 1993. Of the 79 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), three total concentrations at three stations in the Appomattox River (PETE 0048, PETE 0080, PETE 0088) exceeded the acute freshwater criterion of 3.9 µg/L. Two of these three concentrations also exceeded the drinking water criterion of 5.0 µg/L. The highest reported value of 10 µg/L occurred at Buoy 9 (PETE 0048) and at the Route 36 Bridge (PETE 0080) in May 1972.

Copper concentrations (including dissolved, suspended, and total) were measured 311 times at 28 monitoring stations from 1970 through 1993. Twenty-nine total concentrations at 11 stations exceeded the acute freshwater criterion of 18 µg/L. Approximately 86 percent of the observations exceeding the criterion occurred in the northeast section of the study area. The highest reported value of 50 µg/L occurred in Bailey Creek at the Route 10 Bridge (PETE 0018) in November 1970 and in the Appomattox River at Buoy 8 in Hopewell (PETE 0040) in January 1992.

Lead concentrations (including dissolved, suspended, and total) were measured 277 times at 24 monitoring stations from 1970 through 1993. Thirty-five concentrations at 15 stations exceeded the drinking water criterion of 15 µg/L. Two of these 35 concentrations also exceeded the acute freshwater criterion of 82 µg/L. The highest reported value of 735 µg/L occurred in the Appomattox River at Buoy 14 (PETE 0049) in May 1976.

Selenium concentrations (including dissolved, suspended, and total) were measured 109 times at five monitoring stations from 1977 through 1993. Three total concentrations at three stations in the James River at the Route 156 Bridge (PETE 0004), Bailey Creek at the Route 10 Bridge (PETE 0018), and the Appomattox River at the Route 36 Bridge (PETE 0080) exceeded the acute freshwater criterion of 20 µg/L from October 1991 through April 1992. The highest reported value of 31 µg/L occurred in Bailey Creek at the Route 10 Bridge (PETE 0018) in October 1991.

Zinc concentrations (including dissolved, suspended, and total) were measured 304 times at 28 monitoring stations from 1970 through 1993. Sixteen total concentrations at four stations in Bailey Creek at the Route 10 Bridge (PETE 0018), the Appomattox River (PETE 0073, PETE 0080), and Oldtown Creek (0071) exceeded the acute freshwater criterion of 120 µg/L. Approximately 81 percent of the observations exceeding the criterion occurred in Bailey Creek at the Route 10 Bridge (PETE 0018) from 1970 through 1977, including the highest reported value of 1,589 µg/L in August 1972.

The IDEA conducted for PETE indicates that STORET data exist for all 13 Level I parameter groups in the study area. For the group Chlorophyll, less than three percent of the observations were recorded since 1985. Relative to other parameter groups, data were limited for the groups Alkalinity, Chlorophyll, and Sulfates/Total Dissolved Solids/Hardness. Results for 42 of the 126 EPA priority toxic pollutants (consisting of metals, organic parameters,

and pesticides) were retrieved from STORET. More than 99 percent of all the water quality observations from the PETE study area were collected outside the park boundary. Only 219 observations for five parameters groups were collected inside the park.

Surface water resources in the PETE study area include the James and Appomattox Rivers; numerous creeks (including Harrison and Poor Creeks which drain the park); Lake Chesdin; several small reservoirs, lakes, and ponds; and several swamps. Tidal flats are present in the James River near Hopewell City. Based on the data inventories and analyses contained in this report, surface water quality within the study area appears to have been impacted by human activities. The station in Bailey Creek at the Route 10 Bridge (PETE 0018) seems particularly impacted. Potential anthropogenic sources of contaminants include municipal and industrial wastewater discharges; residential development; urban stormwater runoff; mining activities; and military operations.

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INTRODUCTION

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

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

Goal

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

Purpose

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

Objectives

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

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

2. Develop a complete inventory of all retrieved data;

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

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

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

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

Document Overview

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

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

Caveats

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

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

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

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

Key Personnel

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

National Park Service, Water Resources Division:

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

Jill Minter 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.

Mike Matz helped prepare reports and write the Executive Summaries.

Elizabeth Eisenhauer, Scott Hermsen, Alicia Lizarraga, and J. Chris Echohawk provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

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

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

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

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

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

Other National Park Service:

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

METHODOLOGY

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

Delineation of Park Study Area

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

Data Sources

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

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

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

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

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

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

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

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

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

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

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

Data Retrieval and Analysis Procedures

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

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

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

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

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

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

Park Unit Databases

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

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

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

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

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

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

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

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

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

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

Screening Methodologies and Procedures

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

STORET Edit Criteria

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

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

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

Date Screen

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

Station Type Screen

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

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

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

Phase 0 Parameter Screen

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

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

Phase 1 Parameter Screen

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

Media Type Screen

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

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

Remark Code Screen

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

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

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

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

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

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

Composite Type Screen

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

Table D. Possible STORET Composite Type Codes

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

Phase 2 Parameter Screen

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

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

Observations/Period of Record Screen

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

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

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

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

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

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

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

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

Statistical Definitions

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

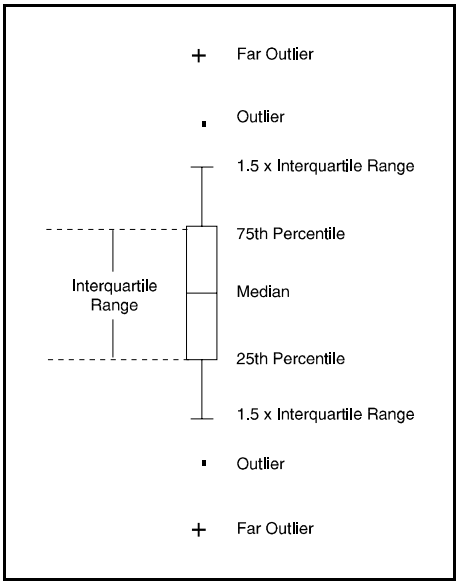
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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

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

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

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



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

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

Overview

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

Regional Location Map

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

Water Quality Monitoring Locations Map(s)

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

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

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

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

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

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

Representative Mean Annual Hydrograph for Seasonal Analysis

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

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

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

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

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

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

Contacts for Agency Codes Retrieved

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

Quantity of Data Retrieved by Agency Code

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

Station Period of Record Tabulation

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

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

Parameter Period of Record Tabulation

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

Station/Parameter Period of Record Tabulation

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

Station-By-Station Results

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

Station Inventory for Station

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

Parameter Inventory for Station

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

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from μeq/l H^+; and (3) μeq/l H^+. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to μeq/l H^+ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as μeq/l H^+, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, E. coli, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

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

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

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

Annual Analysis for Station

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

Annual Box-and-Whiskers Plots for Station

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

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

Seasonal Analysis for Station

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

Seasonal Box-and-Whiskers Plots for Station

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

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

EPA Water Quality Criteria Analysis for Entire Park Study Area

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

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

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

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

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

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

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

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

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

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

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

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

Water Quality Observations Outside STORET Edit Criteria for Park

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

WATER QUALITY RESULTS

OVERVIEW FOR PETE

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:	187995	2709
# STORET Stations:	114	4
# Stations With No Data:	15	0
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	29	0
Date of STORET Retrieval:	09/13/96	09/13/96
Period of Record:	04/01/29-08/20/96	01/22/96-07/22/96
# Parameters Measured:	397	5
# Water Quality Observations:	78161	219
# Industrial/Municipal Facilities:	33	1
# Drinking Water Intakes:	4	0
# Water Gages:	3	0
# Water Impoundments:	19	2
# Total Plots:	137	0
# Time Series:	36	0
# Annual:	46	0
# Seasonal:	55	0

Hydrologic Definition of Seasons:

1. July 1 - October 15
2. October 16 - March 9
3. March 10 - June 30

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 25 years and at least 160 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 15 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.

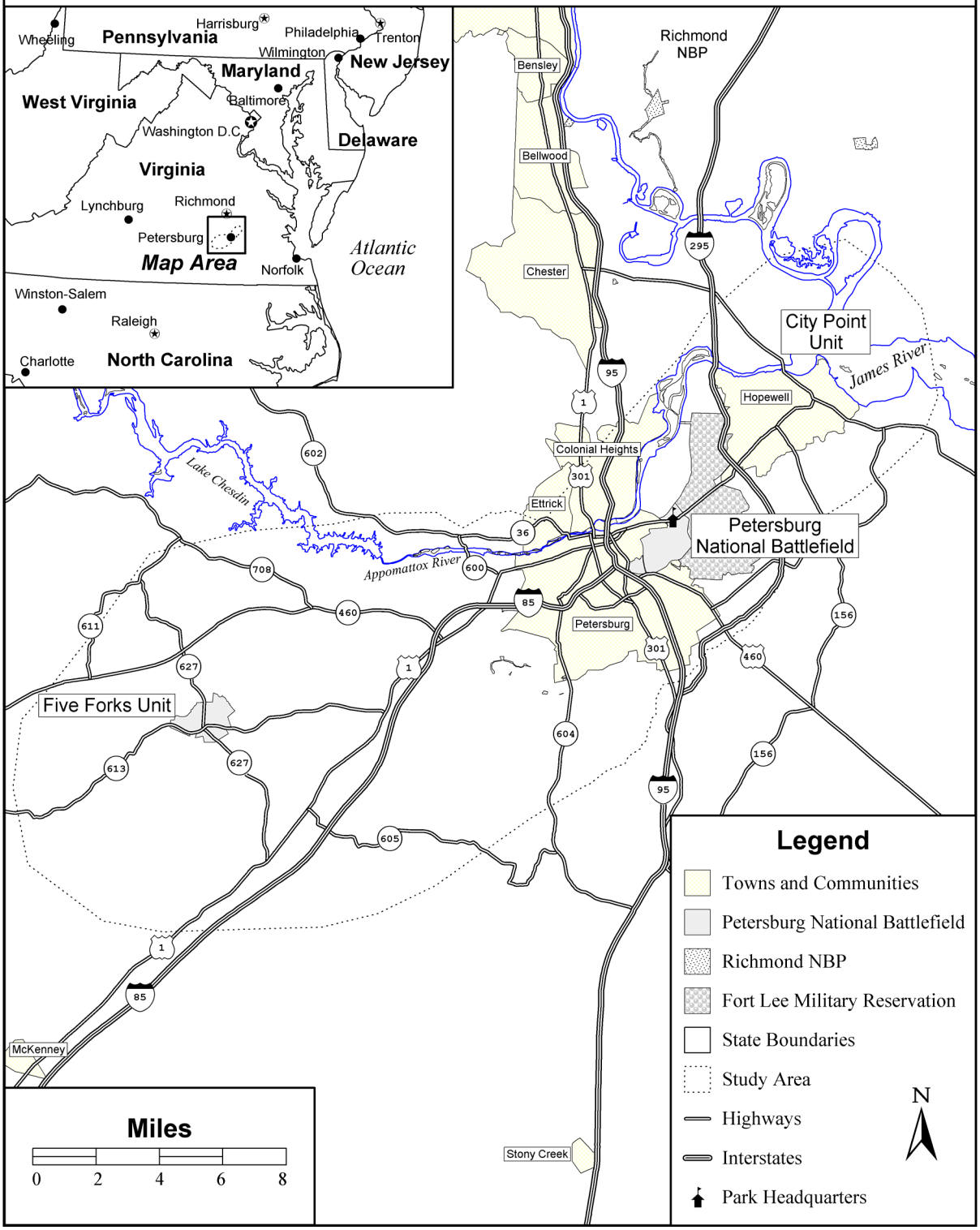
Seasonal Analysis Criteria:

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.

Petersburg National Battlefield

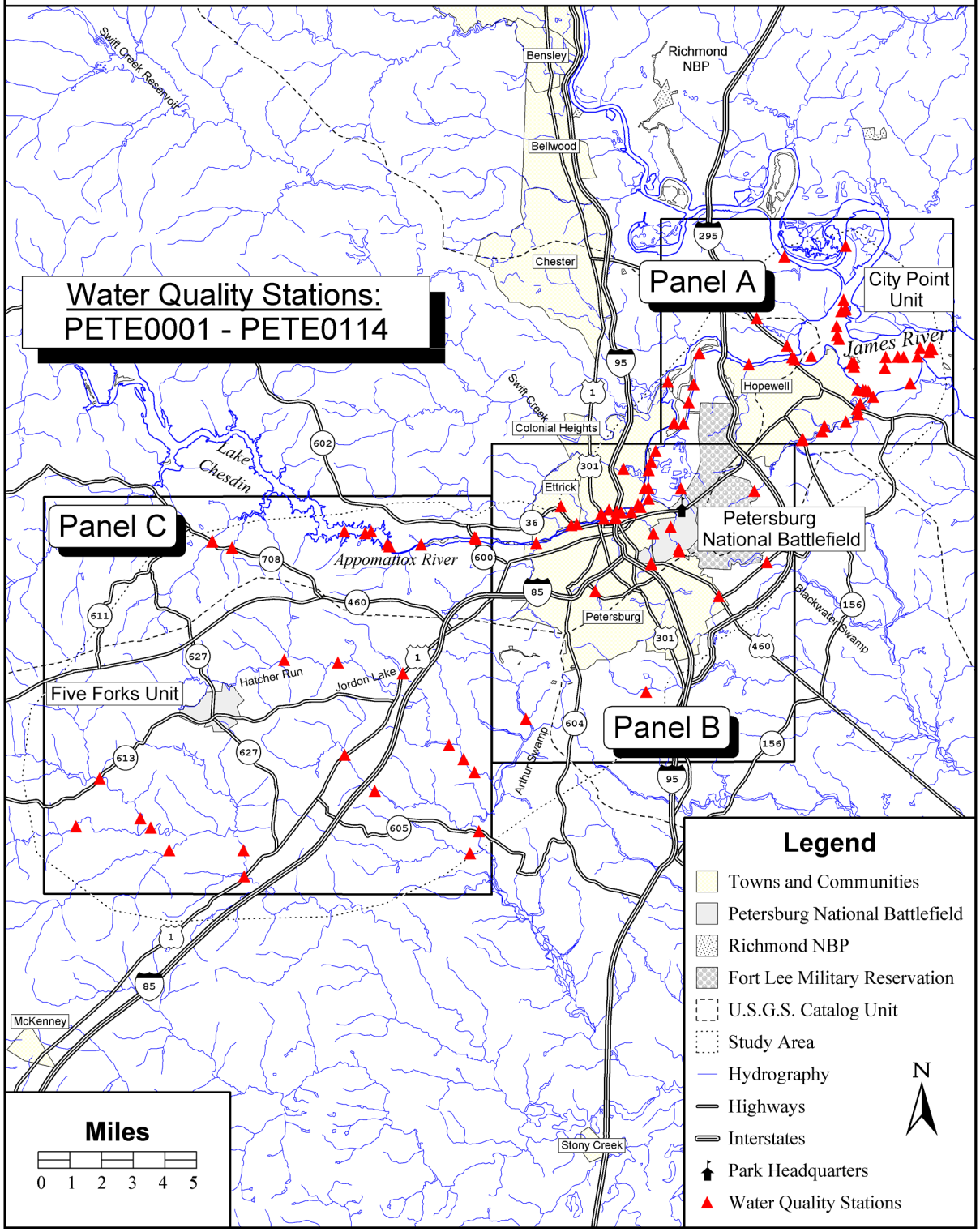
Regional Location Map



Petersburg National Battlefield

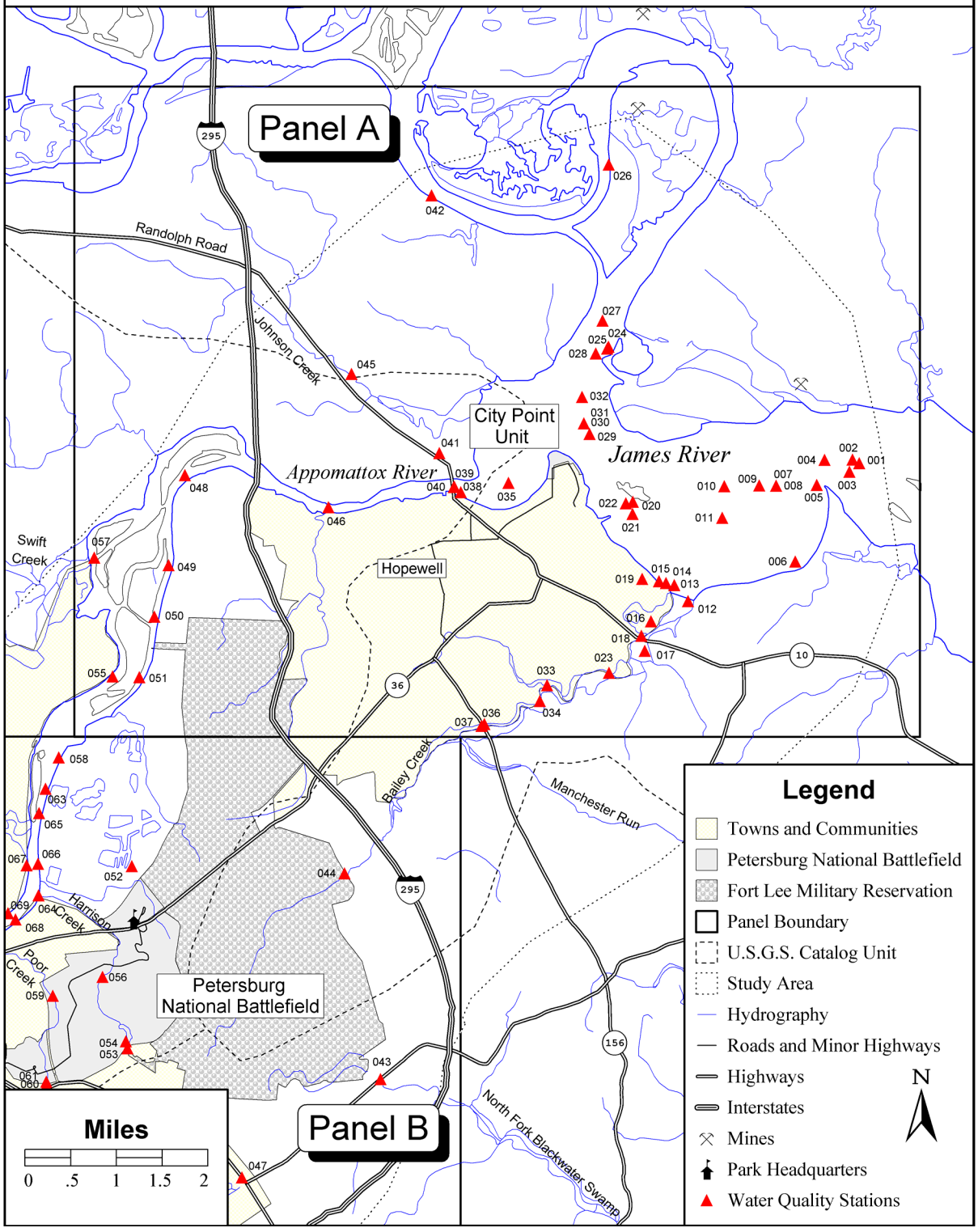
Water Quality Monitoring Locations

Graphic Panel Index



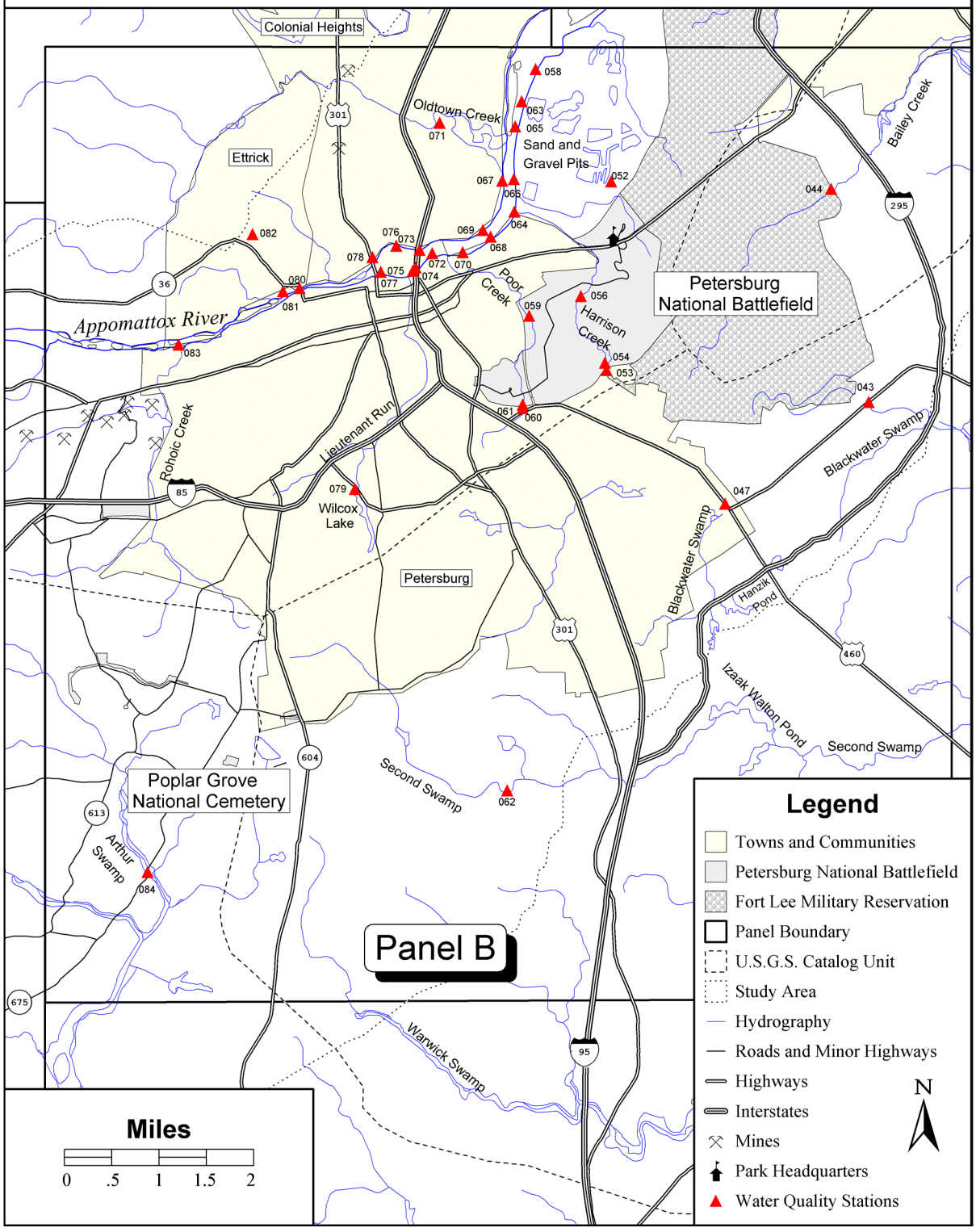
Petersburg National Battlefield

Water Quality Monitoring Locations



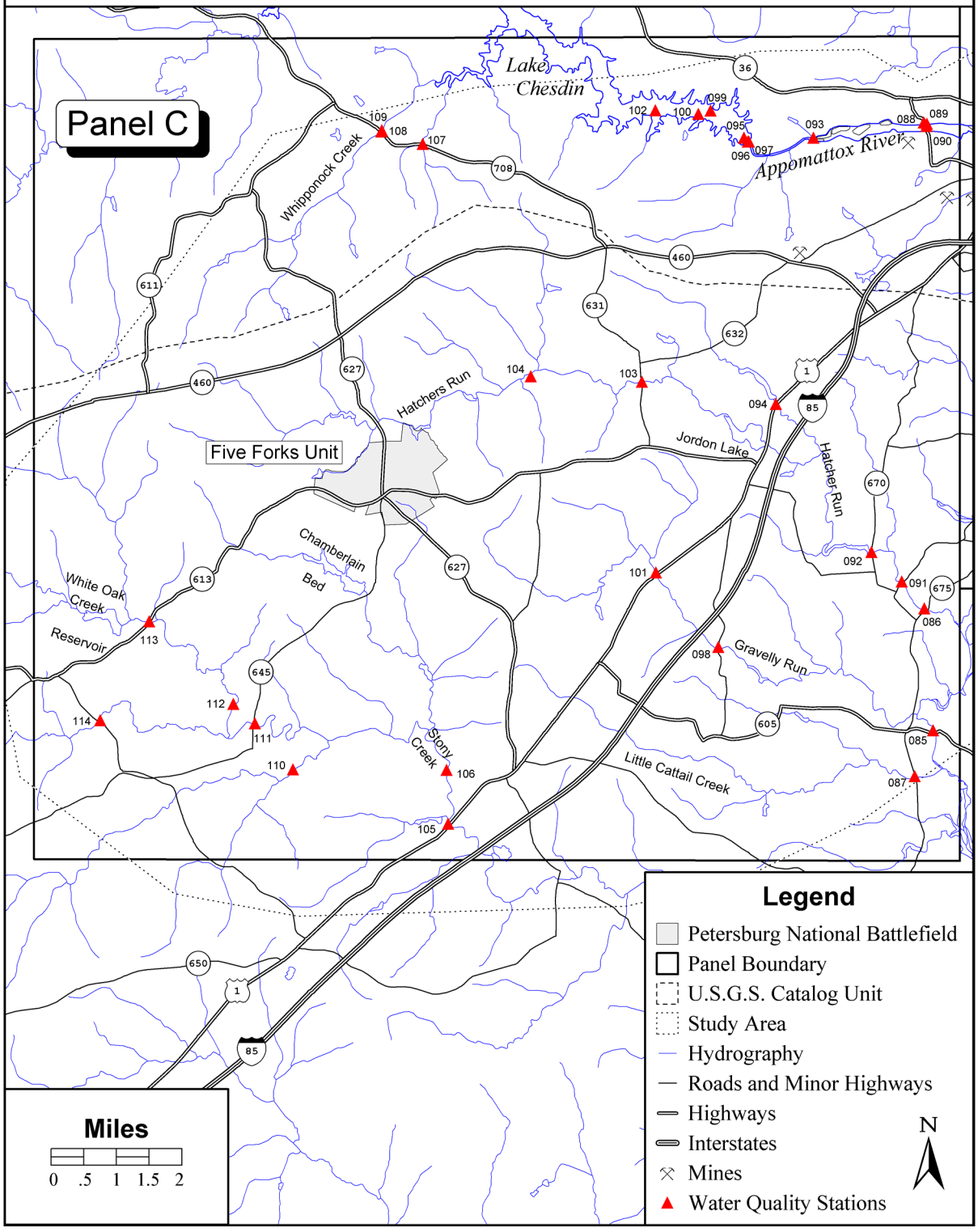
Petersburg National Battlefield

Water Quality Monitoring Locations



Petersburg National Battlefield

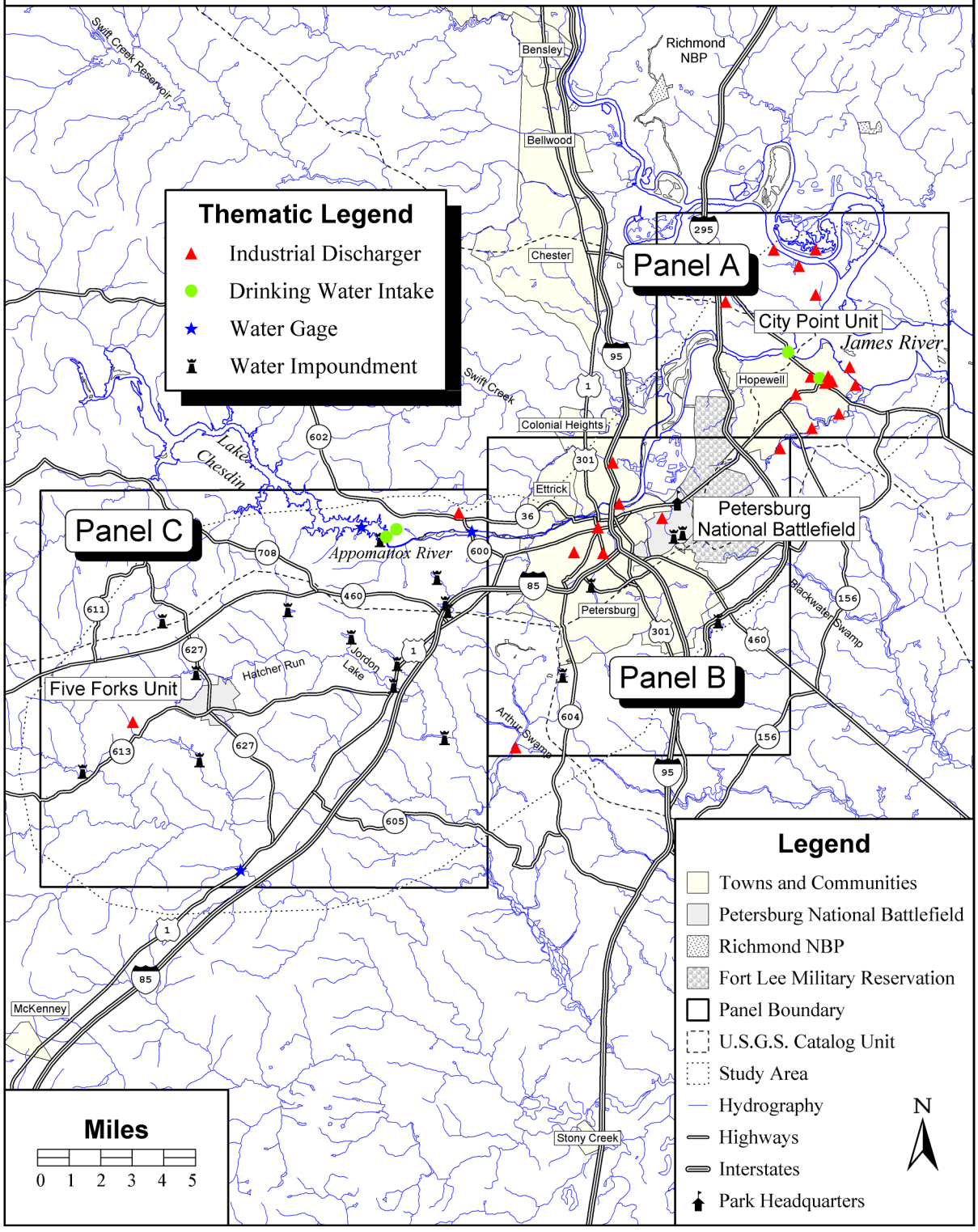
Water Quality Monitoring Locations



Petersburg National Battlefield

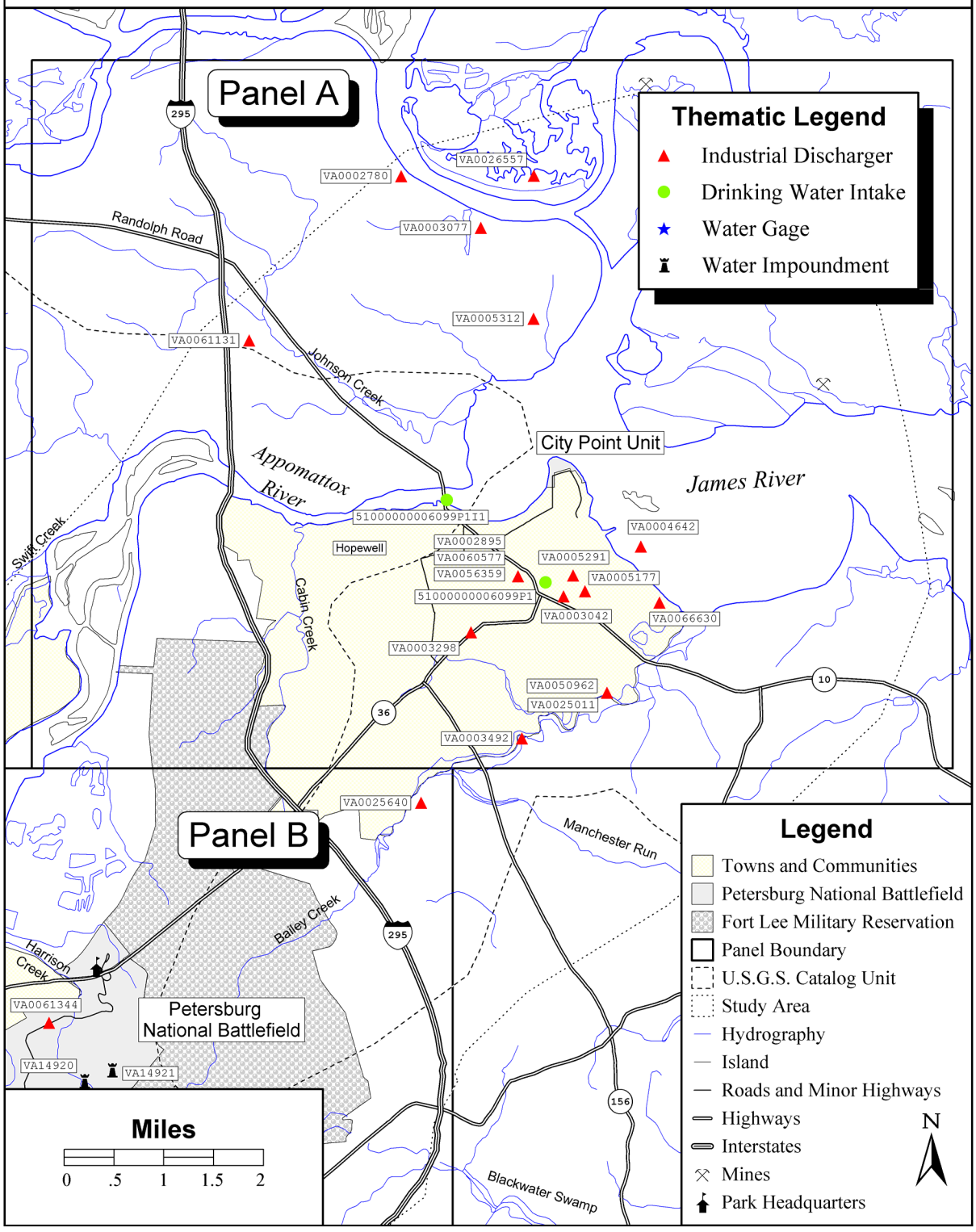
Dischargers, Drinking Intakes, Water Gages, Water Impoundments

Graphic Panel Index



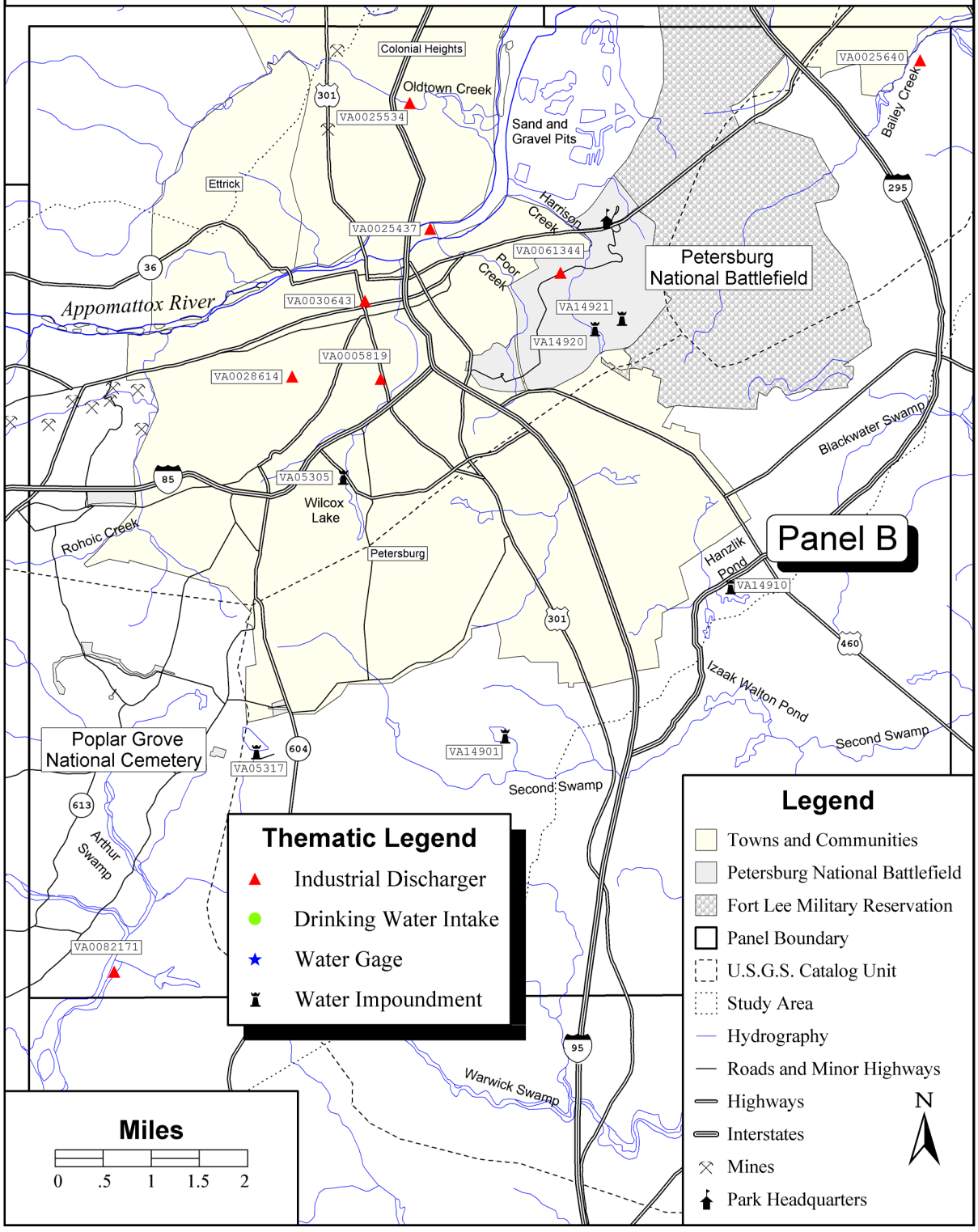
Petersburg National Battlefield

Dischargers, Drinking Intakes, Water Gages, Water Impoundments



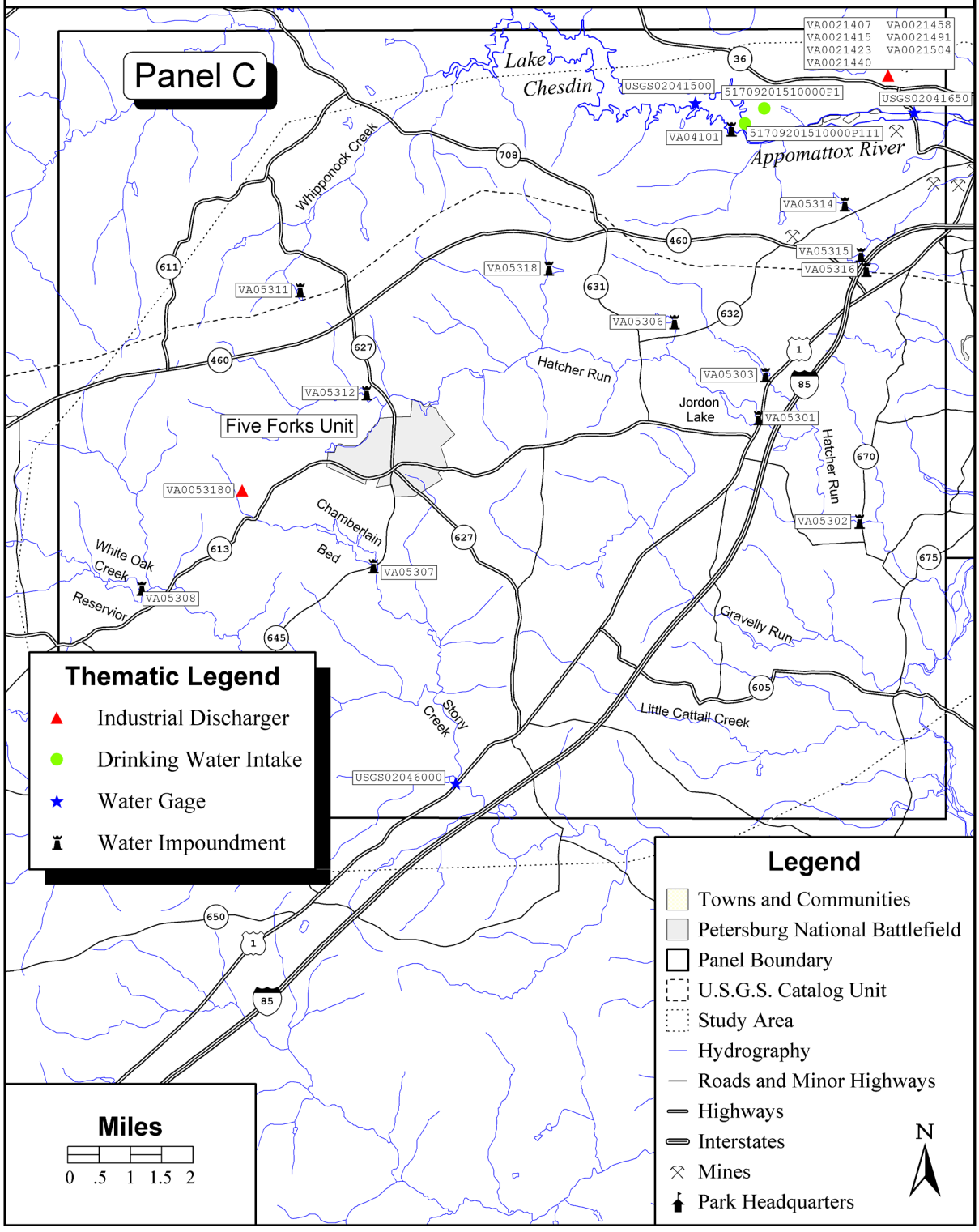
Petersburg National Battlefield

Dischargers, Drinking Intakes, Water Gages, Water Impoundments



Petersburg National Battlefield

Dischargers, Drinking Intakes, Water Gages, Water Impoundments



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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
VA0002780	THE AMERICAN TOBACCO CO. HANME	DIVISION/PO BOX 899	HOPEWELL	JAMES RIVER
VA0002895	OLD DOMINION WATER CORP HPWLL	210 N SECOND AVE	HOPEWELL	GRAVELLY RUN
VA0003042	PUREMADE PRODUCTS	401 E THIRTEENTH ST	KANSAS CITY	GRAVELLY RUN
VA0003077	ICI AMERICA INC	P O BOX 620	HOPEWELL	JAMES RIVER
VA0003298	FIRESTONE SYNTHETIC, HOPEWELL	1200 FIRESTONE PARKWAY	AKRON	CATTHIL CK
VA0003492	AQUALON COMPANY	910 MARKET ST	WILMINGTON	CATTAIL CK
VA0004642	STONE CONTAINER CORP	P O BOX 201	HOPEWELL	GRAVELLY RUN
VA0005177	AIRCO INDUSTRIAL GASSES	575 MOUNTAIN AVE	MURRAY HILL	JAMES RIVER
VA0005291	ALLIED CHEM CORP, HOPEWELL CHE	P. O. BOX 1057 R	MORRISTOWN	GRAVELLY RUN
VA0005312	ALLIED CHEM,FIBERS DIV CHES	CHESTERFIELD PLANT	HOPEWELL	JAMES RIVER
VA0005819	APPOMATTOX RIVER WATER AUTHORI	21300 CHESDIN RD	PETERSBURG	APPOMATTOX RVR
VA0021407	CHESTERFIELD,COUNTY OF,OLD TOW	.....	MATOACA	TR TO APPOMATTOX R
VA0021415	CHESTERFIELD, CO. OF, QUAIL OA	.....	.....	TR TO APPOMATTOX R
VA0021423	CHESTERFIELD, CO. OF, ENON SEW	.....	.....	TR TO APPOMATTOX R
VA0021440	CHESTERFIELD, CO. OF, CENTRALI	.....	.....	TR TO APPOMATTOX R
VA0021458	CHESTERFIELD,COUNTY OF,ASHTON	.....	.....	TR TO ASHTON C
VA0021491	CHESTERFIELD,COUNTY OF,CT.HOUS	.....	.....	TR TO APPOMATTOX R
VA0021504	CHESTERFIELD COUNTY BELLWOOD M	.....	.....	TR TO APPOMATTOX R
VA0025011	HOPEWELL CITY MUNICIPAL STP	300 MAIN ST	HOPEWELL	BAILEY CREEK, CATTAIL CREEK
VA0025437	PETERSBURG WASTEWATER TREATMEN	.....	PETERSBURG	APPOMATTOX R
VA0025534	COLONIAL HEIGHTS SEWAGE TREATM	.....	COLONIAL HEIGHTS	OLD TOWN C
VA0025640	HOPEWELL REGIONAL WWTR TREAT F	.....	HOPEWELL	GRAVELLY RN
VA0026557	PHILIP MORRIS, BERMUDA HUNDRED	.....	.....	JAMES R
VA0028614	OAKHURST SANITARY COMPANY INC	CENTURY DR	PETERSBURG	BLACKWATER C
VA0030643	BERKELEY MANOR LAGOON	.....	PETERSBURG	APPOMATTOX R
VA0050962	NAROX INC.	.....	HOPEWELL	SHAND C
VA0053180	DINWIDDIE LAUNDROMAT	RT 2	DINWIDDIE	STONEY C
VA0056359	REGIONAL ENTERPRISES INC	.....	HOPEWELL	JAMES R
VA0060577	BOGESE INC BEECHWOOD MANOR SUB	.....	HOPEWELL	JAMES R
VA0061131	CYRUS TAMADDON,PRIVATE RESIDEN	MT BLANCO RD	.....	LW JAMES R
VA0061344	MASTER TANK & WELDING	ROUTE 460	PETERSBURG	TR TO SECOND SWAMP
VA0066630	HOPEWELL STP CITY OF	P O BOX 969	HOPEWELL	GRAVELLY RUN JAMES RIVER
VA0082171	DINWIDDIE WTP			

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

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
51000000006099P1	TREATMENT PLANT	HOPEWELL	28500	0000.00
51000000006099P1I1	APPOMATTOX RIVER	HOPEWELL	28500	0000.00
51709201510000P1	CHESDIN TRTMT PLANT	PETERSBURG	55000	0000.00
51709201510000P1I1	LAKE CHESDIN	PETERSBURG	55000	0000.00

Water Gages

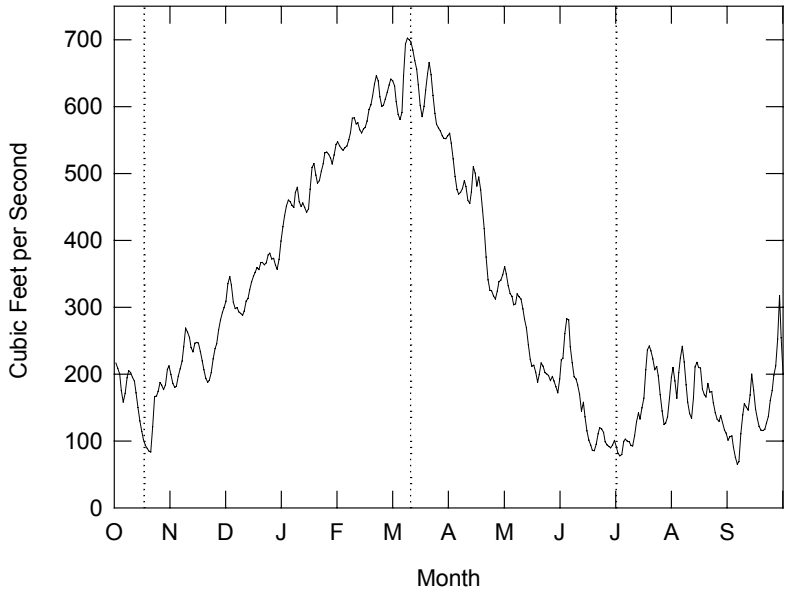
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS02041500	APPOMATTOX RIVER NEAR PETERSBURG, VA		3400.00	1928	1966
USGS02041650	APPOMATTOX RIVER AT MATOACA, VA			1970	1994
USGS02046000	STONY CREEK NEAR DINWIDDIE, VA	Stream	1200.00	1947	1994

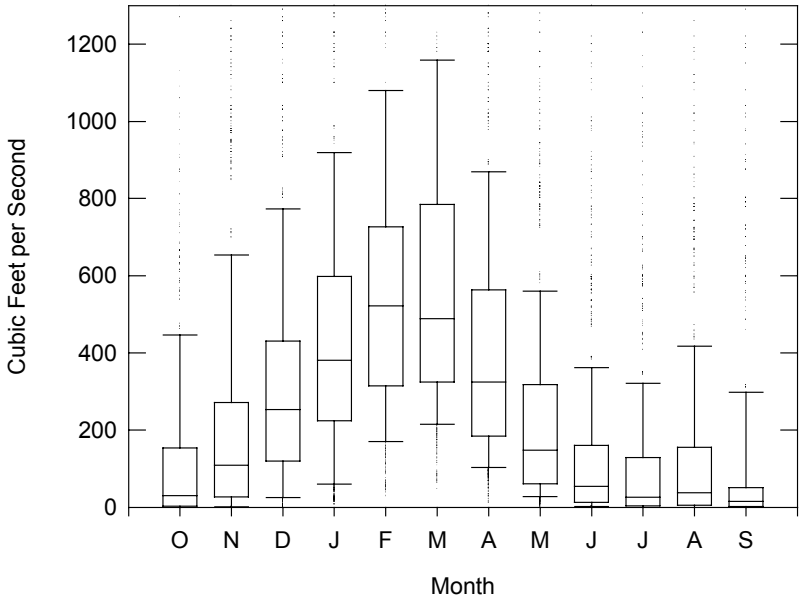
Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
VA04101	GEORGE F BRASFIELD DAM	APPOMAT RI WATER AUTH	Supply	Gravity	High	1968
VA05305	WILCOX DAM	CITY OF PETERSBURG	Rec.	Earth	Significant	1910
VA05311	JONES DAM	S.A.JONES	Rec.	Earth	Low	1952
VA05314	CLAYTONS DAM	J.F.CLAYTON	Rec.	Earth	Low	1952
VA05315	BRAGAN DAM	J.BRAGAN	Rec.	Earth	Low	1952
VA05316	MUSGROVE DAM	J.A.MUSGROVE	Rec.	Earth	Low	1965
VA14920	SYKES LAKE DAM	DOI NPS MAR PETE	Rec.	Earth	Significant	1967
VA14921	SOLDIERS POND DAM	DOI NPS MAR PETE	Rec.	Earth	Significant	1960
VA05301	JORDON DAM	ROBERT RAGSDALE	Rec.	Earth	Significant	1850
VA05302	STEERS DAM	H.LANDER-ALLEN,JR.	Other	Buttress	Significant	1923
VA05303	PICTURE DAM	HOLIDAY INN	Rec.	Earth	Low	1965
VA05306	CLARKES DAM	B Z CLARKE	Rec.	Earth	Significant	1958
VA05307	WHEELERS DAM	J P GILLAM	Rec.	Earth	Low	1951
VA05308	COLEMAN DAM	E W COLEMAN	Rec.	Rockfill	Significant	1830
VA05312	STOKES DAM	D.STOKES	Rec.	Earth	Low	1960
VA05317	CERNYS DAM	E.L.CERNY	Rec.	Earth	Low	1970
VA05318	STAFFORD BROTHERS DAM	STAFFORD BROTHERS	Rec.	Earth	Low	1950
VA14901	HAMLINS DAM	ELSIE D.HAMLIN	Rec.	Earth	Low	1955
VA14910	HANZLIKS DAM	J W HANZLIKS	Rec.	Earth	Low	1870

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

PETERSBURG NATIONAL BATTLEFIELD
Blackwater River near Dendron, VA
02047500, 46 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 Petersburg National Battlefield are: Jul. 1 to Oct. 14, Oct. 15 to Mar. 9, and Mar. 10 to Jun. 30.

CONTACTS FOR AGENCY CODES RETRIEVED FOR PETE

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
112WRD	WILLIAMS, OWEN	US GEOLOGICAL SURVEY	(703)648-5610	
21VASWCB	POLLOCK, VERA	VA DEPT OF ENVIRONMENTAL	(804)527-5224	
21VA40WQ	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
11EPALES	LAMBOU, VICTOR W.	USEPA	(702)798-2259	
11NATDC	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
1113JAWQ	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
CHESBAY	BOSTATER, CHARLES	MARYLAND DEPT OF NAT RES	(301)269-3767	
11NORCOR	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050	(800)424-9067
* DATA FOR 11NORCOR HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (703)883-8861 ON 03/14/86.				
1113VABD	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
111WS	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	

QUANTITY OF DATA RETRIEVED FOR PETE BY AGENCY CODE

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

Agency	Organization	Period of Record		Water Quality Stations		Longer Term[1] Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	/ Park Only	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park
112WRD	US GEOLOGICAL SURVEY	04/01/29-04/29/94	No Data in Park	3	0	1	0	0	0	11787	0	150	0
21VASWCB	VA DEPT OF ENVIRONMENTAL	06/28/68-08/20/96	No Data in Park	75	0	26	0	4	0	64396	0	281	0
21VA40WQ	USEPA REGION 3	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
11NPSWRD	NATIONAL PARK SERVICE	01/22/96-07/22/96	01/22/96-07/22/96	6	4	0	0	0	0	314	219	5	5
11EPALES	USEPA	04/07/73-05/05/74	No Data in Park	3	0	0	0	0	0	364	0	18	0
11NATDC	USEPA HQ	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
1113JAWQ	USEPA REGION 3	07/22/68-11/04/71	No Data in Park	3	0	2	0	0	0	602	0	16	0
CHESBAY	MARYLAND DEPT OF NAT RES	08/20/64-12/05/79	No Data in Park	8	0	0	0	6	0	641	0	5	0
11NORCOR	USEPA HQ	05/13/77-05/13/77	No Data in Park	10	0	0	0	0	0	50	0	5	0
1113VABD	USEPA REGION 3	No Data in S.A.	No Data in Park	3	0	0	0	3	0	0	0	0	0
111WS	USEPA HQ	03/04/75-04/28/75	No Data in Park	1	0	0	0	0	0	7	0	7	0
Totals		04/01/29-08/20/96	01/22/96-07/22/96	114	4	29	0	15	0	78161	219	397	5

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

Station Period of Record Tabulation
From 04/01/29 To 08/20/96

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75
PETE0001	VIMS STATION J63 - JAMES RIVER	No	0	0	0	0
PETE0002	VIMS STATION D53 - JAMES RIVER	No	637	0	0	637
PETE0003	JAMES, S SHORE, HOPEWELL	No	4	0	4	0
PETE0004[1]	RT. 156 BRIDGE BELOW HOPEWELL	No	6089	3784	1643	662
PETE0005	JORDAN POINT	No	5	0	5	0
PETE0006	JORDAN POINT	No	5	0	5	0
PETE0007[1]	RED BUOY 107 (COUNTY OF PRINCE GEORGE)	No	9591	9165	426	0
PETE0008	RED BUOY 107 JRWQMP STA.13	No	0	0	0	0
PETE0009[1]	BUOY 108	No	904	0	811	93
PETE0010	JAMES RIVER BELOW GRAVELLY RUN - NEAR JORDAN PT.	No	164	164	0	0
PETE0011	DM 109	No	5	0	5	0
PETE0012	BAILEY CREEK	No	5	0	5	0
PETE0013	GRAVELLY RUN	No	0	0	0	0
PETE0014	GRAVELLY RUN	No	5	0	5	0
PETE0015	GRAVELLY RUN	No	0	0	0	0
PETE0016	BAILEY CREEK MARSH	No	5	0	5	0
PETE0017	BAILEY CREEK MARSH	No	5	0	5	0
PETE0018[1]	RT. 10 BRIDGE	No	6942	3718	2013	1211
PETE0019	BRIDGE NEAR CONTINENTAL CAN CO.	No	0	0	0	0
PETE0020	BUOY 112	No	123	0	0	123
PETE0021	CONTINENTAL CAN	No	5	0	5	0
PETE0022[1]	BUOY 114	No	707	0	707	0
PETE0023	BAILEY CREEK	No	5	0	5	0
PETE0024	VIMS STATION J68 - JAMES RIVER	No	0	0	0	0
PETE0025	VIMS STATION C54 - JAMES RIVER	No	0	0	0	0
PETE0026	JAMES RIVER AVOBE GRAVELLY RUN (HPA 1)	No	131	131	0	0
PETE0027[1]	BUOY 126	No	870	176	0	694
PETE0028[1]	BUOY 124	No	745	0	745	0
PETE0029	CITY POINT (IN JAMES RIVER)	No	124	0	124	0
PETE0030	JAMES RIVER, BUOY 116	No	89	0	77	12
PETE0031[1]	BELOW AMERICAN TOBACCO, BUOY 118	No	536	0	0	536
PETE0032	BUOY 120-CONFLUENCE WITH JAMES AND APPOMATTOX	No	106	0	106	0
PETE0033	BELOW CONFL. WITH HOPEWELL STP EFFLUENT	No	58	0	0	58
PETE0034	ABOVE CONFL. WITH HOPEWELL STP EFFLUENT	No	71	0	0	71
PETE0035[1]	HOPEWELL RT 10 BR J10	No	200	0	0	200
PETE0036	BAILEY CREEK, RT. 156 BRIDGE	No	4	4	0	0
PETE0037	ROUTE 156 BRIDGE	No	5	0	5	0
PETE0038	VA-AMERICAN WATER CO.	No	7	0	7	0
PETE0039	APPOMATTOX RIVER AT ROUTE 10 BRIDGE	No	54	0	54	0
PETE0040[1]	BUOY 8 (CITY OF HOPEWELL)	No	14374	11047	2764	563
PETE0041	VIMS STATION J65 - JEMES RIVER	No	0	0	0	0
PETE0042[1]	BUOY 137	No	1930	917	890	123
PETE0043	BLACKWATER SWAMP, RT. 106 BRIDGE	No	10	10	0	0
PETE0044[1]	RT. 630 BRIDGE BELOW FORT LEE	No	1183	0	901	282
PETE0045[1]	RT. 724 BRIDGE	No	568	0	515	53
PETE0046[1]	SEABOARD RR TRESTLE	No	492	0	201	291
PETE0047	BLACKWATER SWAMP, RT. 460 BRIDGE	No	5	5	0	0
PETE0048[1]	BUOY 9	No	520	0	218	302
PETE0049[1]	BUOY 14	No	505	0	206	299
PETE0050	BUOY 16	No	170	0	0	170
PETE0051	STA #11 S BR ABOUT 1/2 MI DOWN FROM HARRISON BR	No	2	2	0	0
PETE0052	JAMES RIVER, OFF PRESQUE ISLE SWAMP	No	177	177	0	0
PETE0053	Harrison Creek Just South of Hickory Hill Road	No	48	48	0	0
PETE0054	Harrison Creek Just North of Hickory Hill Road	Yes	48	48	0	0
PETE0055	APPOMATTOX RIVER AT THE END OF CONDUIT ROAD	No	111	0	111	0
PETE0056	Harrison Creek at Petersburg Park Tour Road	Yes	62	62	0	0
PETE0057	AT CONFLUENCE WITH SWIFTH CREEK	No	91	0	0	91
PETE0058	STA # 10 S BRANCH AT RAILWAY(CHESTERFIELD/PR GE)	No	2	2	0	0
PETE0059	Poor Creek at Intersection with Gracies Dam	Yes	61	61	0	0
PETE0060	Poor Creek Just South of Hickory Hill Road	No	47	47	0	0
PETE0061	Poor Creek at Petersburg Park Tour Road	Yes	48	48	0	0
PETE0062	SECOND SWAMP, RT. 628 BRIDGE	No	5	5	0	0
PETE0063	STA #9 S BRANCH AT LARGE QUARRY(CHESTERFIELD)	No	2	2	0	0
PETE0064	STA #6 S BR AT HARRISON CREEK	No	2	2	0	0
PETE0065	STA #8 B BR AT SMALL BOAT HARBOR MARINA	No	2	2	0	0
PETE0066	STA #7 S BR AT GRAVEL PITS(CHESTERFIELD)	No	2	2	0	0
PETE0067	APP. RIV.(AT LONE STAR CONVEY CROS. - WEST CHAN)	No	64	0	64	0
PETE0068	STA # 5 S BRANCH ABOUT 1000' UPSTRM OF PIPELINE	No	2	2	0	0
PETE0069	IN N CHANNEL ACROSS FROM BOAT HARBOR	No	49	0	0	49
PETE0070	STA # 4 S BRANCH AT BROADWAY YARDS	No	2	2	0	0
PETE0071[1]	CONDUIT ROAD BRIDGE	No	840	0	840	0

Station Period of Record Tabulation
From 04/01/29 To 08/20/96

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75
PETE0072	STA # 3 S BRANCH AT STA - PETERSBURG CITY	No	2	2	0	0
PETE0073[1]	ABOVE PETERSBURG STP DISCHARGE FROM SHORE ON IS	No	865	0	584	281
PETE0074[1]	ABOVE PETERSBURG MATOACO BR J07	No	205	0	0	205
PETE0075	APPOMATOX RIVER (SOUTHERN BRANCH)	No	2	2	0	0
PETE0076	ATLANTIC COAST LINE RR BRIDGE BELOW RT. 301	No	97	0	0	97
PETE0077	STA #1 SOUTHERN BRANCH, DEAD END - PETERSBURG	No	2	2	0	0
PETE0078	ABOVE PETERSBURG RT1&310 BR J08	No	197	0	0	197
PETE0079	AT DAM WILCOX LAKE (PETERSBURG CITY)	No	9	9	0	0
PETE0080[1]	RT. 36 BRIDGE	No	6270	3662	1877	731
PETE0081	1/4 MILE (100 M.) ABOVE RT. 36 BRIDGE-PETERSBURG	No	0	0	0	0
PETE0082	BUOY 8 JRWQMP STA.20A APPOMATTOX	No	0	0	0	0
PETE0083[1]	RT. 600 BR. NEAR FERNDALE PARK (UPPER CANAL)	No	701	0	550	151
PETE0084	ARTHUR SWAMP, RT. 675 BRIDGE	No	10	10	0	0
PETE0085[1]	ROWANTY CREEK, RT. 605 BRIDGE	No	309	309	0	0
PETE0086	HATCHER RUN, RT. 675 BRIDGE	No	10	10	0	0
PETE0087	LITTLE CATTAIL CREEK, RT. 670 BRIDGE	No	10	10	0	0
PETE0088[1]	APPOMATTOX RIVER AT MATOACA, VA	No	10699	8106	2593	0
PETE0089	APPOMATTOX R NR MATOACA	No	0	0	0	0
PETE0090[1]	ROUTE 600 BRIDGE (CHESTERFIELD COUNTY)	No	4739	4739	0	0
PETE0091	HATCHER RUN, RT. 613 BRIDGE	No	5	5	0	0
PETE0092	HATCHER RUN, RT. 670 BRIDGE	No	5	5	0	0
PETE0093[1]	LAKE CHESDIN, ABOVE DAM AT SAFETY WIRE	No	668	21	365	282
PETE0094	PICTURE BRANCH, RT. 1 BRIDGE	No	5	5	0	0
PETE0095	BELOW LAKE CHESDIN DAM (CO. OF CHESTERFIELD)	No	102	0	102	0
PETE0096	APPOMATTOX RIVER	No	77	0	0	77
PETE0097	LAKE CHESDIN	No	210	0	0	210
PETE0098	GRAVELLY RUN, RT. 660 BRIDGE	No	5	5	0	0
PETE0099[1]	LAKE CHESDIN STA #1 - NEAR DAM CHESTERFIELD CO	No	451	83	368	0
PETE0100	APPOMATTOX RIVER NEAR PETERSBURG, VA	No	960	0	0	960
PETE0101	GRAVELLY RUN, RT. 1 BRIDGE	No	10	10	0	0
PETE0102[1]	LAKE CHESDIN, AT MOUTH OF LEONARD'S COVE	No	451	0	167	284
PETE0103	HATCHER RUN, RT. 631 BRIDGE	No	10	10	0	0
PETE0104	JAMES RIVER ABOVE BOSHERS DAM	No	0	0	0	0
PETE0105	STONY CREEK NEAR DINWIDDIE, VA	No	128	0	0	128
PETE0106	STONY CREEK, RT. 647 BRIDGE	No	5	5	0	0
PETE0107[1]	RT. 708 BRIDGE	No	210	0	144	66
PETE0108	WHIPPENOCK CREEK	No	77	0	0	77
PETE0109[1]	RT. 708 BRIDGE, LAKE CHESDIN	No	756	285	143	328
PETE0110	ROCKY RUN CREEK, RT. 738 BRIDGE	No	0	0	0	0
PETE0111	STONY CREEK, RT. 645 BRIDGE	No	5	5	0	0
PETE0112	WHITE OAK CREEK, RT. 624 BRIDGE	No	0	0	0	0
PETE0113	WHITE OAK CREEK, RT. 613 BRIDGE	No	0	0	0	0
PETE0114	BUTTERWOOD CREEKM RT. 646 BRIDGEE	No	264	264	0	0

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

Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Parameter Code	Name	Total Obs	01/01/85 to 08/20/96	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.)	1923	690	691	542	35	0
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	917	0	375	542	29	0
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	16	0	0	16	1	0
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)	40	40	0	0	1	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	4716	2846	966	904	68	4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	296	296	0	0	1	0
00023	SAMPLE WEIGHT IN POUNDS	45	16	27	2	3	0
00024	SAMPLE LENGTH IN INCHES	45	16	27	2	3	0
00025	BAROMETRIC PRESSURE (MM OF HG)	325	312	13	0	1	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	353	322	31	0	1	0
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	374	322	52	0	1	0
00030	LIGHT, INCIDENT, SUNLIGHT RADIATION INTENSITY	1	1	0	0	1	0
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	1	0	1	0	1	0
00041	WEATHER (WMO CODE 4501)	2645	1254	861	530	36	0
00053	SURFACE AREA, ACRES	1	1	0	0	1	0
00060	FLOW, STREAM, MEAN DAILY CFS	62	0	0	62	2	0
00061	FLOW, STREAM, INSTANTANEOUS CFS	319	261	58	0	1	0
00065	STAGE, STREAM (FEET)	214	211	3	0	1	0
00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	1316	906	222	188	28	0
00068	DEPTH, MAXIMUM, OF SAMPLE (FEET)	1	0	1	0	1	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	295	219	60	16	16	0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	11	0	0	11	1	0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	549	506	43	0	11	0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	3	0	0	3	1	0
00078	TRANSPARENCY, SECCHI DISC (METERS)	427	336	91	0	15	0
00080	COLOR (PLATINUM-COBALT UNITS)	145	81	0	64	6	0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	2637	2193	428	16	45	4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1000	904	58	38	16	0
00096	SALINITY AT 25 DEGREES C (MG/ML)	1700	1656	44	0	10	0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	2151	2089	62	0	27	0
00300	OXYGEN, DISSOLVED MG/L	2679	878	904	897	49	4
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	1	0	1	0	1	0
00310	BOD, 5 DAY, 20 DEG C MG/L	1244	707	431	106	26	0
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	2	0	2	0	2	0
00335	COD, .025N K2CR2O7 MG/L	28	28	0	0	2	0
00340	COD, .25N K2CR2O7 MG/L	1050	691	358	1	17	0
00400	PH (STANDARD UNITS)	3436	1909	908	619	73	0
00403	PH, LAB, STANDARD UNITS SU	698	575	86	37	21	0
00405	CARBON DIOXIDE (MG/L AS CO2)	6	0	6	0	1	0
00406	PH, FIELD, STANDARD UNITS SU	96	96	0	0	6	4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	735	557	123	55	30	0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	30	0	27	3	10	0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1	0	0	1	1	0
00440	BICARBONATE ION (MG/L AS HCO3)	68	0	4	64	3	0
00445	CARBONATE ION (MG/L AS CO3)	42	0	4	38	3	0
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	33	33	0	0	1	0
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	33	33	0	0	1	0
00480	SALINITY - PARTS PER THOUSAND	11	0	8	3	6	0
00500	RESIDUE, TOTAL (MG/L)	614	354	150	110	19	0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	613	352	149	112	19	0
00510	RESIDUE, TOTAL FIXED (MG/L)	609	354	150	105	19	0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	40	0	40	0	15	0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	1	0	1	0	1	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	2184	1479	551	154	30	0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	2187	1478	548	161	30	0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	2125	1450	521	154	24	0
00545	RESIDUE, SETTLEABLE (ML/L)	41	0	32	9	1	0
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	1	1	0	0	1	0
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	2	0	2	0	1	0
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	2	0	2	0	1	0
00600	NITROGEN, TOTAL (MG/L AS N)	26	0	26	0	1	0
00602	NITROGEN, DISSOLVED (MG/L AS N)	10	0	10	0	1	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	26	0	26	0	1	0
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10	0	10	0	1	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	1284	1215	69	0	4	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1966	576	894	496	47	0
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	1257	1217	40	0	4	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	1818	547	845	426	42	0
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	1193	1167	26	0	4	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	1664	535	704	425	42	0
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	56	1	55	0	10	0

Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Parameter Code	Name	Total Obs	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	26	0	26	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	3009	1586	925	498	47	0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	275	13	169	93	20	0
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	357	301	56	0	12	0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	52	0	2	50	6	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	60	0	2	58	5	0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	2099	1589	472	38	27	0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	1214	1127	87	0	4	0
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	74	0	74	0	9	0
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	2018	1555	425	38	24	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	2039	1540	487	12	26	0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	9	1	8	0	1	0
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	2	2	0	0	2	0
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	7	0	7	0	1	0
00690	CARBON, TOTAL (MG/L AS C)	12	0	0	12	3	0
00745	SULFIDE, TOTAL (MG/L AS S)	11	11	0	0	11	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	525	414	47	64	15	0
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	55	0	28	27	3	0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	157	46	47	64	3	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	157	46	47	64	3	0
00930	SODIUM, DISSOLVED (MG/L AS NA)	156	46	47	63	3	0
00931	SODIUM ADSORPTION RATIO	40	1	37	2	3	0
00932	SODIUM, PERCENT	40	1	37	2	3	0
00933	SODIUM,PLUS POTASSIUM (MG/L)	7	0	7	0	1	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	142	46	47	49	3	0
00940	CHLORIDE,TOTAL IN WATER MG/L	716	446	130	140	27	0
00945	SULFATE, TOTAL (MG/L AS SO4)	552	440	48	64	14	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	115	46	47	22	3	0
00951	FLUORIDE, TOTAL (MG/L AS F)	181	181	0	0	5	0
00955	SILICA, DISSOLVED (MG/L AS SI02)	1214	1104	47	63	10	0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	47	24	23	0	1	0
01001	ARSENIC, SUSPENDED (UG/L AS AS)	8	0	8	0	1	0
01002	ARSENIC, TOTAL (UG/L AS AS)	133	43	65	25	23	0
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	22	13	9	0	12	0
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	22	22	0	0	4	0
01005	BARIUM, DISSOLVED (UG/L AS BA)	52	29	23	0	1	0
01006	BARIUM, SUSPENDED (UG/L AS BA)	9	0	9	0	1	0
01007	BARIUM, TOTAL (UG/L AS BA)	12	0	12	0	1	0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	33	24	9	0	1	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	4	4	0	0	2	0
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	3	3	0	0	3	0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	45	24	21	0	1	0
01026	CADMIUM, SUSPENDED (UG/L AS CD)	8	0	8	0	1	0
01027	CADMIUM, TOTAL (UG/L AS CD)	157	43	64	50	24	0
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	33	14	19	0	22	0
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	22	13	9	0	12	0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	47	24	23	0	1	0
01031	CHROMIUM, SUSPEND (UG/L AS CR)	9	0	9	0	1	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	249	43	110	96	28	0
01035	COBALT, DISSOLVED (UG/L AS CO)	51	29	22	0	1	0
01036	COBALT, SUSPENDED (UG/L AS CO)	8	0	8	0	1	0
01037	COBALT, TOTAL (UG/L AS CO)	12	0	12	0	1	0
01040	COPPER, DISSOLVED (UG/L AS CU)	46	24	22	0	1	0
01041	COPPER, SUSPENDED (UG/L AS CU)	12	0	12	0	1	0
01042	COPPER, TOTAL (UG/L AS CU)	253	43	115	95	28	0
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	40	13	27	0	22	0
01044	IRON, SUSPENDED (UG/L AS FE)	11	0	11	0	1	0
01045	IRON, TOTAL (UG/L AS FE)	80	41	33	6	6	0
01046	IRON, DISSOLVED (UG/L AS FE)	54	29	23	2	3	0
01049	LEAD, DISSOLVED (UG/L AS PB)	45	24	21	0	1	0
01050	LEAD, SUSPENDED (UG/L AS PB)	9	0	9	0	1	0
01051	LEAD, TOTAL (UG/L AS PB)	223	43	107	73	24	0
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	32	13	19	0	22	0
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	3	3	0	0	3	0
01054	MANGANESE, SUSPENDED (UG/L AS MN)	12	0	12	0	1	0
01055	MANGANESE, TOTAL (UG/L AS MN)	82	41	32	9	7	0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	49	27	22	0	1	0
01059	THALLIUM, TOTAL (UG/L AS TL)	4	4	0	0	2	0
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	38	29	9	0	1	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	144	29	95	20	26	0
01066	NICKEL, SUSPENDED (UG/L AS NI)	6	0	6	0	1	0

Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Parameter Code	Name	Total Obs	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01067	NICKEL, TOTAL (UG/L AS NI)	69	42	27	0	9	0
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	21	12	9	0	12	0
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	22	22	0	0	4	0
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	12	12	0	0	4	0
01075	SILVER, DISSOLVED (UG/L AS AG)	52	29	23	0	1	0
01076	SILVER, SUSPENDED (UG/L AS AG)	8	0	8	0	1	0
01077	SILVER, TOTAL (UG/L AS AG)	14	0	14	0	1	0
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	3	3	0	0	3	0
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	38	29	9	0	1	0
01085	VANADIUM, DISSOLVED (UG/L AS V)	38	29	9	0	1	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	47	24	23	0	1	0
01091	ZINC, SUSPENDED (UG/L ZN)	8	0	8	0	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	249	43	110	96	28	0
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	32	13	19	0	22	0
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	3	3	0	0	3	0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	38	29	9	0	1	0
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	3	3	0	0	3	0
01130	LITHIUM, DISSOLVED (UG/L AS LI)	38	29	9	0	1	0
01140	SILICON, DISSOLVED (UG/L AS SI)	316	280	36	0	2	0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	52	29	23	0	1	0
01146	SELENIUM, SUSPENDED (UG/L AS SE)	8	0	8	0	1	0
01147	SELENIUM, TOTAL (UG/L AS SE)	49	37	12	0	5	0
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	5	5	0	0	5	0
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	12	12	0	0	4	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	3	3	0	0	3	0
01305	DETERGENT SUDS (SEVERITY)	1	1	0	0	1	0
01325	ALGAE, FLOATING MATS (SEVERITY)	1	1	0	0	1	0
01330	ODOR, ATMOSPHERIC (SEVERITY)	2	2	0	0	1	0
01345	DEBRIS, FLOATING (SEVERITY)	9	9	0	0	1	0
01350	TURBIDITY (SEVERITY)	50	50	0	0	1	0
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	224	224	0	0	22	0
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	3	3	0	0	1	0
05052	INVALID PARAMETER	1	0	1	0	1	0
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	1	0	0	1	1	0
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	123	0	1	122	11	0
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	127	100	27	0	10	0
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	8	8	0	0	2	0
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	273	246	0	27	14	0
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	1888	619	806	463	43	4
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	94	48	46	0	1	0
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	95	49	46	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
32106	CHLOROFORM,WHOLE WATER,UG/L	1	0	1	0	1	0
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	63	0	63	0	9	0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	16	1	6	9	4	0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	1	1	0	0	1	0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	3	0	0	3	1	0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	64	1	63	0	10	0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	1	1	0	0	1	0
32240	TANNIN AND LIGNIN (MG/L)	28	28	0	0	3	0
34204	ACENAPHTHYLENE WET WGTTISMG/KG	2	2	0	0	1	0
34209	ACENAPHTHENE WET WGTTISMG/KG	2	2	0	0	1	0
34224	ANTHRACENE WET WGTTISMG/KG	2	2	0	0	1	0
34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	2	2	0	0	1	0
34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	2	2	0	0	1	0
34251	BENZO-A-PYRENE WET WGTTISMG/KG	2	2	0	0	1	0
34252	BERYLLIUM WET WGTTISMG/KG	12	12	0	0	4	0
34258	B-BHC-BETA WET WGTTISMG/KG	18	18	0	0	4	0
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	5	5	0	0	5	0
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	18	18	0	0	4	0
34306	CHLORODIBROMOMETHANE TOTWUG/L	1	0	1	0	1	0
34324	CHRYSENE WET WGTTISMG/KG	2	2	0	0	1	0
34340	DIETHYL PHTHALATE WET WGTTISMG/KG	2	2	0	0	1	0
34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	2	2	0	0	1	0
34351	ENDOSULFAN SULFATE TOTWUG/L	5	5	0	0	5	0
34356	ENDOSULFAN, BETA TOTWUG/L	5	5	0	0	5	0
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	18	18	0	0	4	0
34361	ENDOSULFAN, ALPHA TOTWUG/L	5	5	0	0	5	0

Parameter Period of Record Tabulation
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Parameter Code	Name	Total Obs	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	18	18	0	0	4	0
34366	ENDRIN ALDEHYDE TOTWUG/L	5	5	0	0	5	0
34380	FLUORANTHENE WET WGTTISMG/KG	2	2	0	0	1	0
34385	FLUORENE WET WGTTISMG/KG	2	2	0	0	1	0
34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	2	2	0	0	1	0
34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	2	2	0	0	1	0
34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	2	2	0	0	1	0
34446	NAPHTHALENE WET WGTTISMG/KG	2	2	0	0	1	0
34465	PHENANTHRENE WET WGTTISMG/KG	2	2	0	0	1	0
34473	PYRENE WET WGTTISMG/KG	2	2	0	0	1	0
34480	THALLIUM DRY WGTBOTMG/KG	3	3	0	0	3	0
34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	2	2	0	0	1	0
34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	2	2	0	0	1	0
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	2	2	0	0	1	0
34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	2	2	0	0	1	0
34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	2	2	0	0	1	0
34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	2	2	0	0	1	0
34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	2	2	0	0	1	0
34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	2	2	0	0	1	0
34664	PCB - 1221 WET WGTTISMG/KG	8	8	0	0	3	0
34667	PCB - 1232 WET WGTTISMG/KG	8	8	0	0	3	0
34669	PCB - 1248 WET WGTTISMG/KG	8	8	0	0	3	0
34670	PCB - 1260 WET WGTTISMG/KG	18	18	0	0	4	0
34671	PCB - 1016 TOTWUG/L	5	5	0	0	5	0
34674	PCB - 1016 WET WGTTISMG/KG	8	8	0	0	3	0
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	45	18	27	0	4	0
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	45	18	27	0	4	0
34685	ENDRIN WET WGTTISMG/KG	45	18	27	0	4	0
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	17	17	0	0	4	0
34687	HEPTACHLOR WET WGTTISMG/KG	18	18	0	0	4	0
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	45	18	27	0	4	0
34689	PCB - 1242 WET WGTTISMG/KG	8	8	0	0	3	0
34690	PCB - 1254 WET WGTTISMG/KG	18	18	0	0	4	0
34691	TOXAPHENE WET WGTTISMG/KG	18	18	0	0	4	0
38442	DICAMBA (BANVEL) WATER,DISSUG/L	4	4	0	0	4	0
38451	DICHLORPROP WATER,SUSPUG/L	4	4	0	0	4	0
38744	CHLORPYRIFOS-METHYL TISWETWGTMG/KG	8	8	0	0	3	0
38745	2,4-DB WATER, TOTUG/L	4	4	0	0	4	0
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	15	5	10	0	7	0
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	27	0	27	0	2	0
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	14	14	0	0	10	0
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10	0	10	0	5	0
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	27	0	27	0	2	0
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10	0	10	0	5	0
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	27	0	27	0	2	0
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10	0	10	0	5	0
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	45	18	27	0	4	0
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10	0	10	0	5	0
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	45	18	27	0	4	0
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	45	18	27	0	4	0
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	33	33	0	0	1	0
39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	2	2	0	0	1	0
39105	PERCENT FAT HEXANE EXTRACTION	5	5	0	0	2	0
39113	DIBUTYL PHTHALATES IN FISH,ANIMAL WET WGT UG/KG	2	2	0	0	1	0
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	45	18	27	0	4	0
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7	0
39302	P P DDT IN TISSUE WET WGT (UG/G)	27	0	27	0	2	0
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	5	0
39309	O P DDT IN AQUATIC ORGANISMS WET WEIGHT BASIS(UG/G	27	0	27	0	2	0
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7	0
39312	P P DDD IN TISSUE WET WGT (UG/G)	27	0	27	0	2	0
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	5	0
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7	0
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	27	0	27	0	2	0
39325	O,P DDD IN TISSUE WET WGT (UG/G)	27	0	27	0	2	0
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	5	0
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	27	0	27	0	2	0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	23	5	18	0	11	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	13	9	4	0	8	0
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	5	5	0	0	5	0
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	5	5	0	0	5	0

Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Parameter Code	Name	Total Obs	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	5	5	0	0	5	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10	0	10	0	5	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	14	14	0	0	10	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	14	14	0	0	10	0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	14	14	0	0	10	0
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	7	0	7	0	1	0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	1	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	14	14	0	0	10	0
39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	4	0	4	0	1	0
39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	6	0	6	0	2	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	16	5	10	1	7	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	14	14	0	0	10	0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	14	14	0	0	10	0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	14	14	0	0	10	0
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	45	18	27	0	4	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	14	14	0	0	10	0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5	0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	5	0
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	5	5	0	0	5	0
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	5	5	0	0	5	0
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	5	5	0	0	5	0
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	5	5	0	0	5	0
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	5	5	0	0	5	0
39515	PCBS (MG/KG) FISH TISSUE MG/KG	41	14	27	0	4	0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	5	0
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	0
39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	15	0	15	0	1	0
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	14	14	0	0	10	0
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	4	0
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	4	0	4	0	4	0
39632	ATRAZINE DISSOLVED IN WATER PPB	4	0	4	0	1	0
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	5	0
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	4	0
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	4	0
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	4	0
39781	LINDANE AQUATIC ORGANISMS WT WGT BASIS(UG/G)	27	0	27	0	2	0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	45	18	27	0	4	0
45651	PCB - 1262, TISSUE, WET WEIGHT MG/KG	8	8	0	0	3	0
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	16	16	0	0	2	0
49567	INVALID PARAMETER	82	82	0	0	3	0
49569	INVALID PARAMETER	77	77	0	0	3	0
49570	INVALID PARAMETER	77	77	0	0	3	0
49571	INVALID PARAMETER	83	83	0	0	3	0
49572	INVALID PARAMETER	83	83	0	0	3	0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	30	0	30	0	11	0
60050	ALGAE, TOTAL (CELLS/ML)	13	0	13	0	1	0
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	150	46	46	58	3	0
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	38	1	35	2	3	0
70302	SOLIDS, DISSOLVED-TONS PER DAY	30	0	29	1	2	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	38	0	36	2	3	0
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	131	86	45	0	1	0
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	875	0	474	401	29	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	1077	211	466	400	32	0
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	1	0	1	0	1	0
70953	CHLOROPHYLL-A,PHYTOPLANKTON UG/L,CHROMO-FLUORO	1	0	1	0	1	0
70954	CHLOROPHYLL-B,PHYTOPLANKTON UG/L,CHROMO-FLUORO	1	0	1	0	1	0
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	2	0	2	0	1	0
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	2	0	2	0	1	0
71835	OXYGEN CONSUMED, FILTERED MG/L	35	0	0	35	1	0
71840	OXYGEN CONSUMED, UNFILTERED MG/L	33	0	0	33	1	0
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14	0	14	0	1	0
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	19	0	19	0	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	63	0	0	63	2	0
71885	IRON (UG/L AS FE)	61	0	0	61	2	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	32	3	29	0	1	0
71887	NITROGEN, TOTAL, AS NO3 - MG/L	26	0	26	0	1	0

Parameter Period of Record Tabulation
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Parameter Code	Name	Total Obs	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
71890	MERCURY, DISSOLVED (UG/L AS HG)	46	23	23	0	1	0
71895	MERCURY, SUSPENDED (UG/L AS HG)	9	0	9	0	1	0
71900	MERCURY, TOTAL (UG/L AS HG)	244	43	111	90	28	0
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	33	0	33	0	3	0
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	32	13	19	0	22	0
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	55	22	33	0	5	0
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	27	0	27	0	2	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	40	22	18	0	5	0
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	42	22	18	2	6	0
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	22	22	0	0	4	0
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	40	22	18	0	5	0
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	40	22	18	0	5	0
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	27	0	27	0	2	0
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	27	0	27	0	2	0
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	27	0	27	0	2	0
72025	DEPTH OF POND OR RESERVOIR IN FEET	3	0	0	3	1	0
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	12	12	0	0	10	0
77825	ALACHLOR WHOLE WATER,UG/L	4	4	0	0	4	0
79038	BUTYLBENZYL PHTHALATE TISWETWTMG/KG	2	2	0	0	1	0
79040	DIBENZ(A,H)ANTHRACENE TISWETWTMG/KG	1	1	0	0	1	0
79152	2,4-DIMETHYLPHENOL TISDRYWTMG/KG	2	2	0	0	1	0
79156	4,6-DINITRO-2-METHYLPHENOL TISDRYWTMG/KG	2	2	0	0	1	0
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	12	12	0	0	10	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	132	87	45	0	1	0
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	28	1	27	0	1	0
81280	NONPURGEABLE ORGANIC CARBON MG/L	1	0	1	0	1	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	74	22	50	2	6	0
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	45	18	27	0	4	0
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	8	8	0	0	3	0
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	22	22	0	0	4	0
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	18	18	0	0	4	0
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	18	18	0	0	4	0
81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	18	18	0	0	4	0
82007	PERCENT SAND IN SEDIMENT ON A DRY WEIGHT BASIS	2	2	0	0	2	0
82008	SEDIMENT PRCTL.SIZE CLASS .0039-.0625 SILT %DRY WT	2	2	0	0	2	0
82009	SEDIMENT PRCTL.SIZE CLASS <.0039 CLAY %DRY WT	2	2	0	0	2	0
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	8	8	0	0	3	0
82032	CALCIUM - TOTAL UG/L (AS CA)	4	4	0	0	2	0
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	62	62	0	0	2	0
82398	SAMPLING METHOD (CODES)	31	13	18	0	1	0
84007	ANATOMY ALPHA CODE	74	22	50	2	6	0
84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	27	0	25	2	3	0

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0004	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/22/70-08/20/96	26	210	
PETE0007	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/08/94-08/20/96	1	44	
PETE0009	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/07/74-06/28/83	9	30	
PETE0018	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/28/68-08/13/96	28	290	
PETE0020	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/26/74-08/05/74	0	7	
PETE0022	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/01/75-06/28/83	8	25	
PETE0027	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/22/68-08/15/96	28	61	
PETE0028	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/01/75-06/28/83	8	26	
PETE0031	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/08/68-08/30/74	5	33	
PETE0033	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/18/73-08/29/73	0	4	
PETE0034	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/18/73-10/12/73	0	5	
PETE0040	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/24/68-08/20/96	28	273	
PETE0042	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/26/74-08/20/96	22	71	
PETE0044	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/18/73-03/24/81	7	69	
PETE0045	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/10/74-05/15/78	3	33	
PETE0046	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/02/72-03/24/78	5	35	
PETE0048	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/02/72-03/24/78	5	38	
PETE0049	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/02/72-03/24/78	5	36	
PETE0050	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/31/72-07/08/74	1	12	
PETE0052	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/14/94-08/15/96	2	20	
PETE0057	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/19/73-07/26/74	1	7	
PETE0069	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/03/73-07/08/74	1	5	
PETE0071	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	01/29/75-12/10/81	6	44	
PETE0073	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/18/73-04/17/78	4	49	
PETE0076	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/19/73-07/08/74	1	7	
PETE0080	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/28/68-08/13/96	28	284	
PETE0083	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	01/24/74-04/17/78	4	40	
PETE0085	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/12/94-07/16/96	2	9	
PETE0090	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	10/06/94-08/20/96	1	13	
PETE0093	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/20/71-06/08/77	5	37	
PETE0099	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	11/08/90-11/08/90	0	1	
PETE0102	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/20/71-06/08/77	5	36	
PETE0107	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/30/74-06/09/76	2	16	
PETE0109	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/22/71-07/17/96	25	46	
PETE0114	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/14/94-03/28/96	1	7	
PETE0004	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/22/70-08/30/74	4	35	
PETE0009	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	06/07/74-05/22/78	3	20	
PETE0018	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	06/28/68-05/15/78	9	94	
PETE0020	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/26/74-08/05/74	0	7	
PETE0022	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/01/75-05/22/78	3	15	
PETE0027	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/22/68-08/30/74	6	41	
PETE0028	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/01/75-05/22/78	3	15	
PETE0031	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/08/68-08/30/74	5	33	
PETE0033	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/18/73-08/29/73	0	4	
PETE0034	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/18/73-10/12/73	0	5	
PETE0040	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/24/68-05/15/78	9	69	
PETE0042	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/26/74-05/22/78	3	21	
PETE0044	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/18/73-05/15/78	5	51	
PETE0045	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/10/74-05/15/78	3	33	
PETE0046	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/02/72-03/24/78	5	35	
PETE0048	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/02/72-03/24/78	5	38	
PETE0049	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/02/72-03/24/78	5	36	
PETE0050	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/31/72-07/08/74	1	12	
PETE0057	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/19/73-07/26/74	1	7	
PETE0069	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/03/73-07/08/74	1	5	
PETE0071	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	01/29/75-04/17/78	3	29	
PETE0073	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/18/73-04/17/78	4	49	
PETE0076	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/19/73-07/08/74	1	7	
PETE0080	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	06/28/68-04/17/78	9	90	
PETE0083	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	01/24/74-04/17/78	4	39	
PETE0093	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	06/20/71-06/08/77	5	37	
PETE0102	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	06/20/71-06/08/77	5	36	
PETE0107	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/30/74-06/09/76	2	16	
PETE0109	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	06/22/71-06/09/76	4	38	
PETE0097	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/07/73-09/26/73	0	16	
PETE0088	No	00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)	04/30/90-09/23/93	3	40	
PETE0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/64-08/18/71	6	313	
PETE0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	26	220	
PETE0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	13	908	
PETE0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/74-06/28/83	9	38	
PETE0018	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	28	305	
PETE0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/05/74	0	7	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	8	33	
PETE0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/15/96	28	61	
PETE0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	8	33	
PETE0029	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/83-10/03/83	0	4	
PETE0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/68-08/30/74	5	33	
PETE0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-09/27/83	0	3	
PETE0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-08/29/73	0	4	
PETE0034	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-10/12/73	0	5	
PETE0035	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-11/04/71	3	20	
PETE0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/94-07/20/94	0	1	
PETE0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	28	912	
PETE0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/20/96	22	90	
PETE0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/94-03/10/95	0	2	
PETE0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	7	76	
PETE0045	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/10/74-06/12/79	4	42	
PETE0046	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/02/72-03/24/78	5	31	
PETE0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/94-12/15/94	0	1	
PETE0048	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/02/72-03/24/78	5	33	
PETE0049	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/02/72-03/24/78	5	33	
PETE0050	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/72-07/08/74	1	9	
PETE0052	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/94-08/15/96	2	23	
PETE0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-06/24/96	0	15	
PETE0054	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-06/24/96	0	15	
PETE0055	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/83-10/03/83	0	3	
PETE0056	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-07/22/96	0	18	
PETE0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/73-07/26/74	1	6	
PETE0059	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-07/22/96	0	18	
PETE0060	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-06/24/96	0	15	
PETE0061	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-06/24/96	0	15	
PETE0062	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/94-12/15/94	0	1	
PETE0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/30/83	0	2	
PETE0069	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/73-07/08/74	1	2	
PETE0071	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/75-12/10/81	6	53	
PETE0073	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-10/03/83	10	61	
PETE0074	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-11/04/71	3	21	
PETE0076	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/73-07/08/74	1	6	
PETE0078	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-11/04/71	3	22	
PETE0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	28	297	
PETE0083	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/74-06/12/79	5	50	
PETE0084	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	0	2	
PETE0085	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/94-07/16/96	2	11	
PETE0086	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	0	2	
PETE0087	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	0	2	
PETE0088	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	16	368	
PETE0090	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	7	262	
PETE0091	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/94-10/11/94	0	1	
PETE0092	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/94-10/11/94	0	1	
PETE0093	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/71-09/12/79	8	56	
PETE0094	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-07/13/94	0	1	
PETE0095	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-09/27/83	0	3	
PETE0097	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/07/73-09/26/73	0	16	
PETE0098	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/94-10/11/94	0	1	
PETE0099	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/80-11/08/90	10	20	
PETE0100	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/69-04/28/69	0	1	
PETE0101	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	0	2	
PETE0102	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/71-06/08/77	5	34	
PETE0103	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	0	2	
PETE0106	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/94-09/15/94	0	1	
PETE0107	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/30/74-06/09/76	2	16	
PETE0109	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/71-07/17/96	25	45	
PETE0111	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/94-09/15/94	0	1	
PETE0114	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/94-03/28/96	1	8	
PETE0088	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	8	296	
PETE0004	No	00023	SAMPLE WEIGHT IN POUNDS	10/24/79-06/21/91	11	20	
PETE0030	No	00023	SAMPLE WEIGHT IN POUNDS	02/13/74-02/13/74	0	2	
PETE0040	No	00023	SAMPLE WEIGHT IN POUNDS	10/25/79-07/26/91	11	23	
PETE0004	No	00024	SAMPLE LENGTH IN INCHES	10/24/79-06/21/91	11	20	
PETE0030	No	00024	SAMPLE LENGTH IN INCHES	02/13/74-02/13/74	0	2	
PETE0040	No	00024	SAMPLE LENGTH IN INCHES	10/25/79-07/26/91	11	23	
PETE0088	No	00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	11	325	
PETE0088	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/22/78-04/29/94	16	353	
PETE0088	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/22/78-04/29/94	16	374	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0088	No	00030	LIGHT, INCIDENT, SUNLIGHT RADIATION INTENSITY	06/22/88-06/22/88	0	1	
PETE0040	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	09/01/81-09/01/81	0	1	
PETE0004	No	00041	WEATHER (WMO CODE 4501)	07/22/70-08/20/96	26	206	
PETE0007	No	00041	WEATHER (WMO CODE 4501)	07/12/84-08/20/96	12	365	
PETE0009	No	00041	WEATHER (WMO CODE 4501)	06/07/74-06/28/83	9	39	
PETE0018	No	00041	WEATHER (WMO CODE 4501)	06/28/68-08/13/96	28	304	
PETE0020	No	00041	WEATHER (WMO CODE 4501)	05/26/74-08/05/74	0	7	
PETE0022	No	00041	WEATHER (WMO CODE 4501)	05/01/75-06/28/83	8	34	
PETE0027	No	00041	WEATHER (WMO CODE 4501)	07/22/68-08/15/96	28	61	
PETE0028	No	00041	WEATHER (WMO CODE 4501)	05/01/75-06/28/83	8	34	
PETE0031	No	00041	WEATHER (WMO CODE 4501)	09/08/68-08/30/74	5	33	
PETE0033	No	00041	WEATHER (WMO CODE 4501)	04/18/73-08/29/73	0	4	
PETE0034	No	00041	WEATHER (WMO CODE 4501)	04/18/73-10/12/73	0	5	
PETE0040	No	00041	WEATHER (WMO CODE 4501)	06/28/68-08/20/96	28	518	
PETE0042	No	00041	WEATHER (WMO CODE 4501)	05/26/74-08/20/96	22	84	
PETE0044	No	00041	WEATHER (WMO CODE 4501)	04/18/73-03/24/81	7	74	
PETE0045	No	00041	WEATHER (WMO CODE 4501)	09/10/74-06/12/79	4	42	
PETE0046	No	00041	WEATHER (WMO CODE 4501)	05/02/72-03/24/78	5	35	
PETE0048	No	00041	WEATHER (WMO CODE 4501)	05/02/72-03/24/78	5	36	
PETE0049	No	00041	WEATHER (WMO CODE 4501)	05/02/72-03/24/78	5	35	
PETE0050	No	00041	WEATHER (WMO CODE 4501)	07/31/72-07/08/74	1	12	
PETE0052	No	00041	WEATHER (WMO CODE 4501)	07/14/94-08/15/96	2	21	
PETE0057	No	00041	WEATHER (WMO CODE 4501)	04/19/73-07/26/74	1	7	
PETE0069	No	00041	WEATHER (WMO CODE 4501)	06/06/73-07/08/74	1	3	
PETE0071	No	00041	WEATHER (WMO CODE 4501)	01/29/75-12/10/81	6	53	
PETE0073	No	00041	WEATHER (WMO CODE 4501)	04/18/73-06/12/79	6	59	
PETE0076	No	00041	WEATHER (WMO CODE 4501)	04/19/73-07/08/74	1	7	
PETE0080	No	00041	WEATHER (WMO CODE 4501)	06/28/68-08/13/96	28	294	
PETE0083	No	00041	WEATHER (WMO CODE 4501)	01/24/74-06/12/79	5	49	
PETE0085	No	00041	WEATHER (WMO CODE 4501)	07/12/94-07/16/96	2	9	
PETE0088	No	00041	WEATHER (WMO CODE 4501)	12/28/77-08/22/85	7	48	
PETE0090	No	00041	WEATHER (WMO CODE 4501)	04/01/94-08/20/96	2	18	
PETE0093	No	00041	WEATHER (WMO CODE 4501)	07/09/71-09/12/79	8	43	
PETE0099	No	00041	WEATHER (WMO CODE 4501)	11/08/90-11/08/90	0	1	
PETE0102	No	00041	WEATHER (WMO CODE 4501)	06/20/71-06/08/77	5	35	
PETE0107	No	00041	WEATHER (WMO CODE 4501)	04/30/74-06/09/76	2	16	
PETE0109	No	00041	WEATHER (WMO CODE 4501)	06/22/71-07/17/96	25	47	
PETE0114	No	00041	WEATHER (WMO CODE 4501)	09/14/94-03/28/96	1	7	
PETE0088	No	00053	SURFACE AREA, ACRES	04/12/93-04/12/93	0	1	
PETE0100	No	00060	FLOW, STREAM, MEAN DAILY CFS	04/01/29-01/11/56	26	55	
PETE0105	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/11/46-05/05/69	22	7	
PETE0088	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	15	319	
PETE0088	No	00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	10	214	
PETE0002	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	08/20/64-08/21/64	0	15	
PETE0004	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/22/70-08/20/96	26	101	
PETE0007	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/28/83-08/20/96	13	364	
PETE0009	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	06/07/74-06/28/83	9	34	
PETE0018	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	08/22/68-08/13/96	27	104	
PETE0020	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	06/07/74-08/05/74	0	5	
PETE0022	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	05/01/75-06/28/83	8	29	
PETE0027	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/22/68-08/15/96	28	53	
PETE0028	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	05/01/75-06/28/83	8	27	
PETE0029	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	08/16/83-10/03/83	0	4	
PETE0031	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	09/08/68-08/05/74	5	24	
PETE0032	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/28/83-09/27/83	0	3	
PETE0040	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	08/22/68-08/20/96	27	369	
PETE0042	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	06/07/74-08/20/96	22	80	
PETE0046	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/08/72-03/24/78	5	16	
PETE0048	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	05/31/72-03/24/78	5	19	
PETE0049	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/31/72-03/24/78	5	15	
PETE0050	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/31/72-07/08/74	1	7	
PETE0052	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/14/94-08/15/96	2	22	
PETE0055	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	08/16/83-10/03/83	0	3	
PETE0057	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/08/74-07/08/74	0	1	
PETE0067	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/28/83-08/30/83	0	2	
PETE0069	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	06/27/74-07/08/74	0	2	
PETE0073	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/31/79-10/03/83	4	3	
PETE0076	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	06/27/74-07/08/74	0	2	
PETE0080	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	10/24/68-04/18/89	20	8	
PETE0088	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	11/19/92-11/19/92	0	1	
PETE0095	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/28/83-09/27/83	0	3	
PETE0022	No	00068	DEPTH, MAXIMUM, OF SAMPLE (FEET)	09/08/81-09/08/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0004	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	13	55	
PETE0007	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/14/91-10/05/93	2	13	
PETE0009	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/04/75-07/16/80	5	19	
PETE0018	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	11	33	
PETE0022	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/28/75-07/16/80	4	2	
PETE0027	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/06/71-07/23/71	0	4	
PETE0028	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/28/75-07/16/80	4	2	
PETE0035	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/11/71-07/23/71	0	4	
PETE0040	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	22	74	
PETE0042	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/04/75-07/07/94	19	20	
PETE0074	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/11/71-07/23/71	0	4	
PETE0080	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	11	34	
PETE0088	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/28/77-01/25/93	15	14	
PETE0090	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/14/91-02/04/93	2	6	
PETE0093	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/08/77-06/04/79	1	10	
PETE0099	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/08/90-11/08/90	0	1	
PETE0097	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/13/73-09/26/73	0	11	
PETE0004	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/93-07/23/96	3	25	
PETE0007	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	7	88	
PETE0018	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/06/94-08/13/96	2	26	
PETE0040	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	7	83	
PETE0042	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/07/94-07/23/96	2	24	
PETE0080	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/06/94-08/13/96	2	25	
PETE0085	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/12/94-07/16/96	2	9	
PETE0088	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	15	150	
PETE0090	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/89-06/30/95	5	103	
PETE0109	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/27/94-07/17/96	1	8	
PETE0114	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/14/94-06/17/96	1	8	
PETE0097	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/07/73-09/26/73	0	3	
PETE0004	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/12/83	0	7	
PETE0007	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	13	183	
PETE0009	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/18/82-06/28/83	0	2	
PETE0022	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/18/82-06/28/83	0	2	
PETE0028	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/18/82-06/28/83	0	2	
PETE0029	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/03/83	0	7	
PETE0032	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/12/83	0	7	
PETE0040	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	12	179	
PETE0042	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/18/82-10/12/83	0	10	
PETE0055	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-04/24/84	0	9	
PETE0067	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/03/83	0	3	
PETE0073	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/03/83	0	3	
PETE0093	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/11/79-07/11/79	0	1	
PETE0095	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/03/83	0	5	
PETE0099	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	04/15/80-10/09/80	0	7	
PETE0004	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/25/91-06/22/93	2	19	
PETE0018	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/20/90-02/25/93	2	22	
PETE0040	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/25/91-01/12/94	2	20	
PETE0080	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/07/91-02/25/93	2	20	
PETE0100	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/01/29-04/28/69	40	57	
PETE0105	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/11/46-05/05/69	22	7	
PETE0004	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	16	131	
PETE0007	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	13	907	
PETE0009	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-06/28/83	3	13	
PETE0018	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	16	132	
PETE0022	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-06/28/83	3	13	
PETE0027	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-08/15/96	2	19	
PETE0028	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-06/28/83	3	13	
PETE0029	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/83-10/03/83	0	4	
PETE0032	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-09/27/83	0	3	
PETE0040	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	17	796	A
PETE0042	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-08/20/96	16	54	
PETE0043	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/94-03/10/95	0	2	
PETE0044	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-03/24/81	1	17	
PETE0047	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/94-12/15/94	0	1	
PETE0052	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-08/15/96	2	20	
PETE0053	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-06/24/96	0	2	
PETE0054	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-06/24/96	0	2	
PETE0055	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/83-10/03/83	0	3	
PETE0056	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-07/22/96	0	5	
PETE0059	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-07/22/96	0	5	
PETE0060	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-06/24/96	0	2	
PETE0061	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	06/10/96-06/24/96	0	2	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0062	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/94-12/15/94	0	1	
PETE0067	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/30/83	0	2	
PETE0071	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-12/10/81	2	15	
PETE0073	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/83-10/03/83	0	2	
PETE0080	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	16	130	
PETE0084	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	0	2	
PETE0085	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-07/16/96	2	8	
PETE0086	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	0	2	
PETE0087	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	0	2	
PETE0090	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	7	266	
PETE0091	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/11/94-10/11/94	0	1	
PETE0092	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/11/94-10/11/94	0	1	
PETE0094	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-07/13/94	0	1	
PETE0095	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-09/27/83	0	3	
PETE0097	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/07/73-09/26/73	0	16	
PETE0098	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/11/94-10/11/94	0	1	
PETE0099	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/15/80-10/09/80	0	21	
PETE0101	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	0	2	
PETE0103	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	0	2	
PETE0106	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/15/94-09/15/94	0	1	
PETE0109	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/20/95-07/17/96	1	6	
PETE0111	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/15/94-09/15/94	0	1	
PETE0114	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/15/94-03/28/96	1	5	
PETE0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	15	66	
PETE0007	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	7	90	
PETE0018	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	7	80	
PETE0040	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	7	135	
PETE0042	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/07/94-07/23/96	2	24	
PETE0080	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	7	78	
PETE0085	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/94-07/16/96	2	9	
PETE0088	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	16	367	
PETE0090	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/89-05/24/94	4	85	
PETE0093	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/77-06/04/79	1	10	
PETE0097	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/07/73-09/26/73	0	16	
PETE0099	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/90-11/08/90	0	2	
PETE0100	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/51-04/28/69	17	18	
PETE0105	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/52-05/05/69	16	4	
PETE0109	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-07/17/96	1	8	
PETE0114	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/94-06/17/96	1	8	
PETE0004	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	09/08/94-08/20/96	1	18	
PETE0007	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	12	892	
PETE0018	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	12/12/94-12/12/94	0	1	
PETE0027	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/95-07/31/95	0	1	
PETE0040	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	12	662	
PETE0042	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	09/08/94-08/20/96	1	20	
PETE0052	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/95-07/31/95	0	1	
PETE0080	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	12/12/94-12/12/94	0	1	
PETE0090	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	7	103	
PETE0109	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	10/23/95-10/23/95	0	1	
PETE0004	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/11/91-08/20/96	4	34	
PETE0007	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	12	896	
PETE0018	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	6	70	
PETE0027	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/94-08/15/96	2	23	
PETE0036	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/94-07/20/94	0	1	
PETE0040	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	12	680	
PETE0042	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/94-08/20/96	2	46	
PETE0043	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/94-03/10/95	0	2	
PETE0047	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/94-12/15/94	0	1	
PETE0052	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/94-08/15/96	2	23	
PETE0062	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/94-12/15/94	0	1	
PETE0080	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	6	69	
PETE0084	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	0	2	
PETE0085	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/94-07/16/96	2	11	
PETE0086	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	0	2	
PETE0087	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	0	2	
PETE0090	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	7	261	
PETE0091	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/11/94-10/11/94	0	1	
PETE0092	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/11/94-10/11/94	0	1	
PETE0094	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-07/13/94	0	1	
PETE0098	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/11/94-10/11/94	0	1	
PETE0101	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	0	2	
PETE0103	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0106	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/15/94-09/15/94	0	1	
PETE0109	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/94-07/17/96	1	9	
PETE0111	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/15/94-09/15/94	0	1	
PETE0114	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/94-03/28/96	1	8	
PETE0002	No	00300	OXYGEN, DISSOLVED MG/L	06/24/71-08/18/71	0	307	
PETE0004	No	00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	23	184	
PETE0007	No	00300	OXYGEN, DISSOLVED MG/L	07/28/83-11/09/87	4	100	
PETE0009	No	00300	OXYGEN, DISSOLVED MG/L	06/07/74-06/28/83	9	39	
PETE0018	No	00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	23	226	A
PETE0020	No	00300	OXYGEN, DISSOLVED MG/L	05/26/74-08/05/74	0	7	
PETE0022	No	00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	8	34	
PETE0027	No	00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	6	40	
PETE0028	No	00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	8	34	
PETE0029	No	00300	OXYGEN, DISSOLVED MG/L	08/16/83-10/03/83	0	4	
PETE0031	No	00300	OXYGEN, DISSOLVED MG/L	09/08/68-08/30/74	5	32	
PETE0032	No	00300	OXYGEN, DISSOLVED MG/L	07/28/83-09/27/83	0	3	
PETE0033	No	00300	OXYGEN, DISSOLVED MG/L	04/18/73-08/29/73	0	4	
PETE0034	No	00300	OXYGEN, DISSOLVED MG/L	04/18/73-10/12/73	0	5	
PETE0035	No	00300	OXYGEN, DISSOLVED MG/L	07/22/68-11/04/71	3	21	
PETE0040	No	00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	25	321	T,S
PETE0042	No	00300	OXYGEN, DISSOLVED MG/L	05/26/74-07/07/94	20	45	
PETE0044	No	00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	7	77	
PETE0045	No	00300	OXYGEN, DISSOLVED MG/L	09/10/74-06/12/79	4	42	
PETE0046	No	00300	OXYGEN, DISSOLVED MG/L	05/02/72-03/24/78	5	34	
PETE0048	No	00300	OXYGEN, DISSOLVED MG/L	05/02/72-03/24/78	5	36	
PETE0049	No	00300	OXYGEN, DISSOLVED MG/L	05/02/72-03/24/78	5	35	
PETE0050	No	00300	OXYGEN, DISSOLVED MG/L	07/31/72-07/08/74	1	11	
PETE0053	No	00300	OXYGEN, DISSOLVED MG/L	01/29/96-06/24/96	0	6	
PETE0054	Yes	00300	OXYGEN, DISSOLVED MG/L	01/29/96-06/24/96	0	6	
PETE0055	No	00300	OXYGEN, DISSOLVED MG/L	08/16/83-10/03/83	0	3	
PETE0056	Yes	00300	OXYGEN, DISSOLVED MG/L	01/29/96-07/22/96	0	9	
PETE0057	No	00300	OXYGEN, DISSOLVED MG/L	04/19/73-07/26/74	1	7	
PETE0059	Yes	00300	OXYGEN, DISSOLVED MG/L	01/29/96-07/22/96	0	9	
PETE0060	No	00300	OXYGEN, DISSOLVED MG/L	03/12/96-06/24/96	0	5	
PETE0061	Yes	00300	OXYGEN, DISSOLVED MG/L	01/29/96-06/24/96	0	6	
PETE0067	No	00300	OXYGEN, DISSOLVED MG/L	07/28/83-08/30/83	0	2	
PETE0069	No	00300	OXYGEN, DISSOLVED MG/L	06/06/73-07/08/74	1	3	
PETE0071	No	00300	OXYGEN, DISSOLVED MG/L	01/29/75-12/10/81	6	53	
PETE0073	No	00300	OXYGEN, DISSOLVED MG/L	04/18/73-10/03/83	10	60	
PETE0074	No	00300	OXYGEN, DISSOLVED MG/L	07/22/68-11/04/71	3	20	
PETE0076	No	00300	OXYGEN, DISSOLVED MG/L	04/19/73-07/08/74	1	7	
PETE0078	No	00300	OXYGEN, DISSOLVED MG/L	07/22/68-11/04/71	3	21	
PETE0080	No	00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	23	229	A
PETE0083	No	00300	OXYGEN, DISSOLVED MG/L	01/24/74-06/12/79	5	50	
PETE0088	No	00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	16	363	
PETE0090	No	00300	OXYGEN, DISSOLVED MG/L	02/05/90-02/05/90	0	1	
PETE0093	No	00300	OXYGEN, DISSOLVED MG/L	07/09/71-09/12/79	8	55	
PETE0095	No	00300	OXYGEN, DISSOLVED MG/L	07/28/83-09/27/83	0	3	
PETE0097	No	00300	OXYGEN, DISSOLVED MG/L	04/07/73-09/26/73	0	14	
PETE0099	No	00300	OXYGEN, DISSOLVED MG/L	04/15/80-11/08/90	10	20	
PETE0102	No	00300	OXYGEN, DISSOLVED MG/L	07/09/71-06/08/77	5	34	
PETE0107	No	00300	OXYGEN, DISSOLVED MG/L	04/30/74-06/09/76	2	16	
PETE0109	No	00300	OXYGEN, DISSOLVED MG/L	06/22/71-05/13/76	4	36	
PETE0083	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/29/75-01/29/75	0	1	
PETE0004	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	26	183	T,S
PETE0007	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/26/94-07/23/96	2	30	
PETE0009	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/04/75-06/28/83	8	30	
PETE0018	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	27	229	T,A,S
PETE0022	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/28/75-06/28/83	7	14	
PETE0027	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-05/26/74	5	10	
PETE0028	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/75-06/28/83	8	31	
PETE0031	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-05/26/74	5	7	
PETE0033	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/29/73-08/29/73	0	1	
PETE0035	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-11/04/71	2	9	
PETE0040	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	27	227	T,A,S
PETE0042	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/26/74-07/23/96	22	39	
PETE0044	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/09/73-03/24/81	7	20	
PETE0045	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/16/74-10/16/74	0	1	
PETE0049	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/15/73-07/15/73	0	1	
PETE0071	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/14/79-12/10/81	2	15	
PETE0074	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-11/04/71	2	8	
PETE0078	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-11/04/71	2	10	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0080	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	27	233	T,A,S
PETE0085	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/12/94-07/16/96	2	9	
PETE0088	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/06/89-11/19/92	3	56	
PETE0090	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/06/89-09/11/90	1	57	
PETE0093	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/28/78-06/04/79	0	6	
PETE0099	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/08/90-11/08/90	0	1	
PETE0109	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/06/71-07/17/96	24	9	
PETE0114	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/14/94-06/17/96	1	8	
PETE0040	No	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	04/17/78-04/17/78	0	1	
PETE0080	No	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	04/17/78-04/17/78	0	1	
PETE0088	No	00335	COD, .025N K2CR2O7 MG/L	07/19/89-09/28/89	0	8	
PETE0090	No	00335	COD, .025N K2CR2O7 MG/L	07/19/89-01/03/90	0	20	
PETE0004	No	00340	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	16	179	A
PETE0007	No	00340	COD, .25N K2CR2O7 MG/L	02/08/89-07/23/96	7	39	
PETE0009	No	00340	COD, .25N K2CR2O7 MG/L	06/04/75-06/28/83	8	32	
PETE0018	No	00340	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	23	194	A
PETE0022	No	00340	COD, .25N K2CR2O7 MG/L	05/19/80-06/28/83	3	13	
PETE0028	No	00340	COD, .25N K2CR2O7 MG/L	06/04/75-06/28/83	8	14	
PETE0040	No	00340	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	16	197	A
PETE0042	No	00340	COD, .25N K2CR2O7 MG/L	06/04/75-07/23/96	21	55	
PETE0044	No	00340	COD, .25N K2CR2O7 MG/L	08/14/79-03/24/81	1	17	
PETE0071	No	00340	COD, .25N K2CR2O7 MG/L	08/14/79-12/10/81	2	15	
PETE0080	No	00340	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	16	190	A
PETE0085	No	00340	COD, .25N K2CR2O7 MG/L	07/12/94-07/16/96	2	9	
PETE0088	No	00340	COD, .25N K2CR2O7 MG/L	09/29/89-12/06/90	1	43	
PETE0090	No	00340	COD, .25N K2CR2O7 MG/L	09/29/89-12/06/90	1	36	
PETE0099	No	00340	COD, .25N K2CR2O7 MG/L	07/26/90-07/26/90	0	1	
PETE0109	No	00340	COD, .25N K2CR2O7 MG/L	07/27/94-07/17/96	1	8	
PETE0114	No	00340	COD, .25N K2CR2O7 MG/L	09/14/94-06/17/96	1	8	
PETE0004	No	00400	PH (STANDARD UNITS)	07/22/70-08/20/96	26	218	T,A,S
PETE0007	No	00400	PH (STANDARD UNITS)	07/28/83-08/20/96	13	353	
PETE0009	No	00400	PH (STANDARD UNITS)	06/07/74-06/28/83	9	39	
PETE0018	No	00400	PH (STANDARD UNITS)	06/28/68-08/13/96	28	291	T,A,S
PETE0020	No	00400	PH (STANDARD UNITS)	05/26/74-08/05/74	0	7	
PETE0022	No	00400	PH (STANDARD UNITS)	05/01/75-06/28/83	8	34	
PETE0027	No	00400	PH (STANDARD UNITS)	07/22/68-08/15/96	28	63	S
PETE0028	No	00400	PH (STANDARD UNITS)	05/01/75-06/28/83	8	34	
PETE0029	No	00400	PH (STANDARD UNITS)	08/16/83-10/03/83	0	4	
PETE0031	No	00400	PH (STANDARD UNITS)	09/08/68-08/30/74	5	33	
PETE0032	No	00400	PH (STANDARD UNITS)	07/28/83-09/27/83	0	3	
PETE0033	No	00400	PH (STANDARD UNITS)	04/18/73-08/29/73	0	4	
PETE0034	No	00400	PH (STANDARD UNITS)	04/18/73-08/29/73	0	4	
PETE0035	No	00400	PH (STANDARD UNITS)	07/22/68-11/02/71	3	18	
PETE0036	No	00400	PH (STANDARD UNITS)	07/20/94-07/20/94	0	1	
PETE0040	No	00400	PH (STANDARD UNITS)	06/28/68-08/20/96	28	589	T,A,S
PETE0042	No	00400	PH (STANDARD UNITS)	05/26/74-08/20/96	22	91	
PETE0043	No	00400	PH (STANDARD UNITS)	12/15/94-03/10/95	0	2	
PETE0044	No	00400	PH (STANDARD UNITS)	04/18/73-03/24/81	7	73	
PETE0045	No	00400	PH (STANDARD UNITS)	09/10/74-06/12/79	4	40	
PETE0046	No	00400	PH (STANDARD UNITS)	05/02/72-03/24/78	5	34	
PETE0047	No	00400	PH (STANDARD UNITS)	12/15/94-12/15/94	0	1	
PETE0048	No	00400	PH (STANDARD UNITS)	05/02/72-03/24/78	5	36	
PETE0049	No	00400	PH (STANDARD UNITS)	05/02/72-03/24/78	5	36	
PETE0050	No	00400	PH (STANDARD UNITS)	07/31/72-07/08/74	1	11	
PETE0051	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0052	No	00400	PH (STANDARD UNITS)	07/14/94-08/15/96	2	23	
PETE0055	No	00400	PH (STANDARD UNITS)	08/16/83-10/03/83	0	3	
PETE0057	No	00400	PH (STANDARD UNITS)	04/19/73-07/26/74	1	7	
PETE0058	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0062	No	00400	PH (STANDARD UNITS)	12/15/94-12/15/94	0	1	
PETE0063	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0064	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0065	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0066	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0067	No	00400	PH (STANDARD UNITS)	07/28/83-08/30/83	0	2	
PETE0068	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0069	No	00400	PH (STANDARD UNITS)	06/06/73-07/08/74	1	3	
PETE0070	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0071	No	00400	PH (STANDARD UNITS)	01/29/75-12/10/81	6	49	
PETE0072	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0073	No	00400	PH (STANDARD UNITS)	04/18/73-10/03/83	10	58	
PETE0074	No	00400	PH (STANDARD UNITS)	07/22/68-11/02/71	3	19	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0075	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0076	No	00400	PH (STANDARD UNITS)	04/19/73-07/08/74	1	7	
PETE0077	No	00400	PH (STANDARD UNITS)	06/12/89-06/12/89	0	1	
PETE0078	No	00400	PH (STANDARD UNITS)	07/22/68-11/02/71	3	20	
PETE0080	No	00400	PH (STANDARD UNITS)	06/28/68-08/13/96	28	291	T,A,S
PETE0083	No	00400	PH (STANDARD UNITS)	01/24/74-06/12/79	5	46	
PETE0084	No	00400	PH (STANDARD UNITS)	07/13/94-10/11/94	0	2	
PETE0085	No	00400	PH (STANDARD UNITS)	07/12/94-07/16/96	2	11	
PETE0086	No	00400	PH (STANDARD UNITS)	07/13/94-10/11/94	0	2	
PETE0087	No	00400	PH (STANDARD UNITS)	07/13/94-10/11/94	0	2	
PETE0088	No	00400	PH (STANDARD UNITS)	12/28/77-04/29/94	16	367	
PETE0090	No	00400	PH (STANDARD UNITS)	07/06/89-08/20/96	7	266	
PETE0091	No	00400	PH (STANDARD UNITS)	10/11/94-10/11/94	0	1	
PETE0092	No	00400	PH (STANDARD UNITS)	10/11/94-10/11/94	0	1	
PETE0093	No	00400	PH (STANDARD UNITS)	07/09/71-09/12/79	8	45	
PETE0094	No	00400	PH (STANDARD UNITS)	07/13/94-07/13/94	0	1	
PETE0095	No	00400	PH (STANDARD UNITS)	07/28/83-09/27/83	0	3	
PETE0097	No	00400	PH (STANDARD UNITS)	04/07/73-09/26/73	0	16	
PETE0098	No	00400	PH (STANDARD UNITS)	10/11/94-10/11/94	0	1	
PETE0099	No	00400	PH (STANDARD UNITS)	04/15/80-11/08/90	10	20	
PETE0100	No	00400	PH (STANDARD UNITS)	07/17/45-04/28/69	23	21	
PETE0101	No	00400	PH (STANDARD UNITS)	07/13/94-10/11/94	0	2	
PETE0102	No	00400	PH (STANDARD UNITS)	07/09/71-06/08/77	5	35	
PETE0103	No	00400	PH (STANDARD UNITS)	07/13/94-10/11/94	0	2	
PETE0105	No	00400	PH (STANDARD UNITS)	10/11/46-05/05/69	22	7	
PETE0106	No	00400	PH (STANDARD UNITS)	09/15/94-09/15/94	0	1	
PETE0107	No	00400	PH (STANDARD UNITS)	04/30/74-06/09/76	2	16	
PETE0109	No	00400	PH (STANDARD UNITS)	06/22/71-07/17/96	25	46	S
PETE0111	No	00400	PH (STANDARD UNITS)	09/15/94-09/15/94	0	1	
PETE0114	No	00400	PH (STANDARD UNITS)	09/14/94-03/28/96	1	8	
PETE0004	No	00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	22	80	
PETE0007	No	00403	PH, LAB, STANDARD UNITS SU	04/13/89-07/23/96	7	32	
PETE0018	No	00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	27	101	S
PETE0020	No	00403	PH, LAB, STANDARD UNITS SU	05/26/74-05/26/74	0	1	
PETE0027	No	00403	PH, LAB, STANDARD UNITS SU	03/20/69-05/26/74	5	6	
PETE0031	No	00403	PH, LAB, STANDARD UNITS SU	03/20/69-05/26/74	5	4	
PETE0034	No	00403	PH, LAB, STANDARD UNITS SU	10/12/73-10/12/73	0	1	
PETE0040	No	00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	27	122	S
PETE0042	No	00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	22	25	
PETE0044	No	00403	PH, LAB, STANDARD UNITS SU	02/20/80-02/20/80	0	1	
PETE0071	No	00403	PH, LAB, STANDARD UNITS SU	02/20/80-11/30/81	1	2	
PETE0079	No	00403	PH, LAB, STANDARD UNITS SU	09/14/87-09/14/87	0	1	
PETE0080	No	00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	27	98	S
PETE0083	No	00403	PH, LAB, STANDARD UNITS SU	06/12/79-06/12/79	0	1	
PETE0085	No	00403	PH, LAB, STANDARD UNITS SU	07/12/94-07/16/96	2	9	
PETE0088	No	00403	PH, LAB, STANDARD UNITS SU	01/13/81-11/19/92	11	109	
PETE0090	No	00403	PH, LAB, STANDARD UNITS SU	07/06/89-09/11/90	1	57	
PETE0093	No	00403	PH, LAB, STANDARD UNITS SU	06/08/77-06/04/79	1	10	
PETE0099	No	00403	PH, LAB, STANDARD UNITS SU	04/15/80-11/08/90	10	22	
PETE0109	No	00403	PH, LAB, STANDARD UNITS SU	07/27/94-07/17/96	1	8	
PETE0114	No	00403	PH, LAB, STANDARD UNITS SU	09/14/94-06/17/96	1	8	
PETE0088	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/28/77-08/10/79	1	6	
PETE0053	No	00406	PH, FIELD, STANDARD UNITS SU	01/22/96-06/24/96	0	15	
PETE0054	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/22/96-06/24/96	0	15	
PETE0056	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/22/96-07/22/96	0	18	
PETE0059	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/22/96-07/22/96	0	18	
PETE0060	No	00406	PH, FIELD, STANDARD UNITS SU	01/22/96-06/24/96	0	15	
PETE0061	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/22/96-06/24/96	0	15	
PETE0004	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	22	84	
PETE0007	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/83-07/23/96	12	34	
PETE0018	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	27	101	S
PETE0020	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-05/26/74	0	1	
PETE0027	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/69-05/26/74	5	6	
PETE0029	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/83-10/03/83	0	4	
PETE0031	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/69-05/26/74	5	4	
PETE0032	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/83-09/27/83	0	3	
PETE0034	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/12/73	0	1	
PETE0040	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	27	124	S
PETE0042	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	22	29	
PETE0044	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/20/80-02/20/80	0	1	
PETE0055	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/83-10/03/83	0	3	
PETE0067	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/83-08/30/83	0	2	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0071	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/20/80-11/30/81	1	2	
PETE0073	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/83-10/03/83	0	2	
PETE0079	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/87-09/14/87	0	1	
PETE0080	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	27	98	S
PETE0083	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/12/79-06/12/79	0	1	
PETE0085	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/94-07/16/96	2	9	
PETE0088	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	12	98	
PETE0090	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/89-09/11/90	1	57	
PETE0093	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/77-06/04/79	1	10	
PETE0095	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/83-09/27/83	0	3	
PETE0097	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/07/73-09/26/73	0	16	
PETE0099	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/15/80-11/08/90	10	23	
PETE0100	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/28/69-04/28/69	0	1	
PETE0105	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/69-05/05/69	0	1	
PETE0109	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-07/17/96	1	8	
PETE0114	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/94-06/17/96	1	8	
PETE0004	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	0	3	
PETE0007	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-09/27/83	0	3	
PETE0018	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	03/23/70-09/10/74	4	3	
PETE0029	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	0	4	
PETE0032	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-09/27/83	0	3	
PETE0042	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	0	4	
PETE0055	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	0	3	
PETE0067	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-08/30/83	0	2	
PETE0073	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	0	2	
PETE0095	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-09/27/83	0	3	
PETE0018	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	04/28/69-04/28/69	0	1	
PETE0088	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/28/77-04/19/78	0	4	
PETE0100	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/01/29-04/28/69	40	57	
PETE0105	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/11/46-05/05/69	22	7	
PETE0088	No	00445	CARBONATE ION (MG/L AS CO3)	12/28/77-04/19/78	0	4	
PETE0100	No	00445	CARBONATE ION (MG/L AS CO3)	04/01/29-04/28/69	40	37	
PETE0105	No	00445	CARBONATE ION (MG/L AS CO3)	05/05/69-05/05/69	0	1	
PETE0088	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/24/87-04/29/94	6	33	
PETE0088	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/24/87-04/29/94	6	33	
PETE0002	No	00480	SALINITY - PARTS PER THOUSAND	08/18/71-08/18/71	0	2	
PETE0004	No	00480	SALINITY - PARTS PER THOUSAND	09/27/72-09/27/72	0	1	
PETE0009	No	00480	SALINITY - PARTS PER THOUSAND	11/18/82-06/28/83	0	2	
PETE0022	No	00480	SALINITY - PARTS PER THOUSAND	11/18/82-06/28/83	0	2	
PETE0028	No	00480	SALINITY - PARTS PER THOUSAND	11/18/82-06/28/83	0	2	
PETE0042	No	00480	SALINITY - PARTS PER THOUSAND	11/18/82-06/28/83	0	2	
PETE0004	No	00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	25	103	S
PETE0009	No	00500	RESIDUE, TOTAL (MG/L)	06/07/74-06/28/83	9	31	
PETE0018	No	00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	27	182	T,S
PETE0020	No	00500	RESIDUE, TOTAL (MG/L)	05/26/74-06/07/74	0	2	
PETE0022	No	00500	RESIDUE, TOTAL (MG/L)	05/19/80-06/28/83	3	13	
PETE0027	No	00500	RESIDUE, TOTAL (MG/L)	03/20/69-06/07/74	5	7	
PETE0028	No	00500	RESIDUE, TOTAL (MG/L)	05/19/80-06/28/83	3	13	
PETE0031	No	00500	RESIDUE, TOTAL (MG/L)	03/20/69-06/07/74	5	6	
PETE0040	No	00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	25	67	S
PETE0042	No	00500	RESIDUE, TOTAL (MG/L)	05/26/74-07/23/96	22	54	
PETE0044	No	00500	RESIDUE, TOTAL (MG/L)	08/14/79-11/20/79	0	3	
PETE0071	No	00500	RESIDUE, TOTAL (MG/L)	08/14/79-11/20/79	0	3	
PETE0080	No	00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	27	101	S
PETE0085	No	00500	RESIDUE, TOTAL (MG/L)	07/12/94-07/16/96	2	9	
PETE0090	No	00500	RESIDUE, TOTAL (MG/L)	07/09/92-07/09/92	0	1	
PETE0093	No	00500	RESIDUE, TOTAL (MG/L)	12/14/78-12/14/78	0	2	
PETE0099	No	00500	RESIDUE, TOTAL (MG/L)	11/08/90-11/08/90	0	1	
PETE0109	No	00500	RESIDUE, TOTAL (MG/L)	07/27/94-07/17/96	1	8	
PETE0114	No	00500	RESIDUE, TOTAL (MG/L)	09/14/94-06/17/96	1	8	
PETE0004	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	25	102	S
PETE0009	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/07/74-06/28/83	9	31	
PETE0018	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	27	183	T,S
PETE0020	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-06/07/74	0	2	
PETE0022	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/19/80-06/28/83	3	13	
PETE0027	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/20/69-06/07/74	5	7	
PETE0028	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/19/80-06/28/83	3	13	
PETE0031	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/20/69-06/07/74	5	6	
PETE0040	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	25	67	S
PETE0042	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-07/23/96	22	54	
PETE0044	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/14/79-11/20/79	0	3	
PETE0071	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/14/79-10/17/79	0	2	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0080	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	27	101	S
PETE0085	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/12/94-07/16/96	2	9	
PETE0090	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/09/92-07/09/92	0	1	
PETE0093	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/14/78-12/14/78	0	2	
PETE0099	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/08/90-11/08/90	0	1	
PETE0109	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/27/94-07/17/96	1	8	
PETE0114	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/14/94-06/17/96	1	8	
PETE0004	No	00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	25	103	S
PETE0009	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/07/74-06/28/83	9	31	
PETE0018	No	00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	27	180	T,S
PETE0020	No	00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-06/07/74	0	2	
PETE0022	No	00510	RESIDUE, TOTAL FIXED (MG/L)	05/19/80-06/28/83	3	13	
PETE0027	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/20/69-06/07/74	5	7	
PETE0028	No	00510	RESIDUE, TOTAL FIXED (MG/L)	05/19/80-06/28/83	3	13	
PETE0031	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/20/69-06/07/74	5	6	
PETE0040	No	00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	24	66	
PETE0042	No	00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-07/23/96	22	54	
PETE0044	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/14/79-11/20/79	0	3	
PETE0048	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/09/72-08/09/72	0	1	
PETE0071	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/14/79-11/20/79	0	3	
PETE0080	No	00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	27	99	S
PETE0085	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/12/94-07/16/96	2	9	
PETE0093	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/14/78-12/14/78	0	2	
PETE0099	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/08/90-11/08/90	0	1	
PETE0109	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/27/94-07/17/96	1	8	
PETE0114	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/14/94-06/17/96	1	8	
PETE0004	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/80-10/03/83	3	5	
PETE0007	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-09/27/83	0	3	
PETE0009	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/81-07/27/81	0	1	
PETE0018	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/10/77-07/15/80	3	3	
PETE0022	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/81-07/27/81	0	1	
PETE0028	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/81-07/27/81	0	1	
PETE0029	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/16/83-10/03/83	0	4	
PETE0032	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-09/27/83	0	3	
PETE0040	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/80-07/15/80	0	2	
PETE0042	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/81-10/03/83	2	5	
PETE0055	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/16/83-10/03/83	0	3	
PETE0067	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-08/30/83	0	2	
PETE0073	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/16/83-10/03/83	0	2	
PETE0080	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/80-07/15/80	0	2	
PETE0095	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-09/27/83	0	3	
PETE0044	No	00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	04/17/78-04/17/78	0	1	
PETE0004	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	25	208	T,A,S
PETE0007	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	12	234	
PETE0009	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-06/28/83	9	37	
PETE0018	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	27	285	T,A,S
PETE0020	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/26/74	0	6	
PETE0022	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	8	32	
PETE0027	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	20	
PETE0028	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	8	32	
PETE0029	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/83-10/03/83	0	4	
PETE0031	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	19	
PETE0032	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-09/27/83	0	3	
PETE0040	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	27	429	T,A,S
PETE0042	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/23/96	22	64	
PETE0044	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/79-03/24/81	1	17	
PETE0046	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/08/72-09/05/72	0	3	
PETE0048	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/05/72-09/05/72	0	1	
PETE0049	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/09/72-09/05/72	0	2	
PETE0050	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/09/72-08/09/72	0	1	
PETE0055	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/83-10/03/83	0	4	
PETE0067	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-08/30/83	0	2	
PETE0071	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/79-12/10/81	2	15	
PETE0073	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/83-10/03/83	0	3	
PETE0080	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	27	234	T,A,S
PETE0085	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/12/94-07/16/96	2	9	
PETE0088	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-02/24/94	4	229	
PETE0090	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	5	249	
PETE0095	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-10/03/83	0	4	
PETE0099	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/15/80-11/08/90	10	22	
PETE0109	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/27/94-07/17/96	1	8	
PETE0114	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/14/94-06/17/96	1	8	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0004	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	25	207	T,A,S
PETE0007	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	12	234	
PETE0009	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/07/74-06/28/83	9	36	
PETE0018	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	27	286	T,A,S
PETE0020	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/26/74	0	6	
PETE0022	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	8	32	
PETE0027	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	20	
PETE0028	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	8	32	
PETE0029	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/83-10/03/83	0	4	
PETE0031	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	19	
PETE0032	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-09/27/83	0	3	
PETE0040	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	27	431	T,A,S
PETE0042	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/23/96	22	64	
PETE0044	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/14/79-03/24/81	1	17	
PETE0046	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/08/72-09/05/72	0	3	
PETE0048	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/09/72-09/05/72	0	2	
PETE0049	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/09/72-09/05/72	0	2	
PETE0050	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/09/72-08/09/72	0	1	
PETE0055	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/83-10/03/83	0	4	
PETE0067	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-08/30/83	0	2	
PETE0071	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/14/79-12/10/81	2	15	
PETE0073	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/83-10/03/83	0	3	
PETE0080	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	27	235	T,A,S
PETE0085	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/12/94-07/16/96	2	9	
PETE0088	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-02/24/94	4	229	
PETE0090	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	5	249	
PETE0095	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-10/03/83	0	4	
PETE0099	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/15/80-11/08/90	10	22	
PETE0109	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/27/94-07/17/96	1	8	
PETE0114	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/14/94-06/17/96	1	8	
PETE0004	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	25	204	T,A,S
PETE0007	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	8	231	
PETE0009	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/07/74-06/28/83	9	37	
PETE0018	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	27	285	T,A,S
PETE0020	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/26/74	0	6	
PETE0022	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	8	32	
PETE0027	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	20	
PETE0028	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	8	32	
PETE0031	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	19	
PETE0040	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	27	428	T,A,S
PETE0042	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/23/96	22	60	
PETE0044	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/14/79-03/24/81	1	17	
PETE0046	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/08/72-09/05/72	0	3	
PETE0048	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/09/72-09/05/72	0	2	
PETE0049	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/09/72-09/05/72	0	2	
PETE0050	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/09/72-08/09/72	0	1	
PETE0071	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/14/79-12/10/81	2	15	
PETE0080	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	27	234	T,A,S
PETE0085	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/12/94-07/16/96	2	9	
PETE0088	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-02/24/94	4	201	
PETE0090	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	5	249	
PETE0099	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/15/80-11/08/90	10	22	
PETE0109	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/27/94-07/17/96	1	8	
PETE0114	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/14/94-06/17/96	1	8	
PETE0083	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/24/74-06/12/79	5	41	
PETE0040	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/20/92-07/20/92	0	1	
PETE0088	No	00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	07/01/80-08/13/80	0	2	
PETE0088	No	00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	07/01/80-08/13/80	0	2	
PETE0088	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/25/78-01/13/81	2	26	
PETE0088	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/10/79-01/13/81	1	10	
PETE0088	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/25/78-01/13/81	2	26	
PETE0088	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/10/79-01/13/81	1	10	
PETE0007	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	363	
PETE0040	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	364	
PETE0088	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	14	297	
PETE0090	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	7	260	
PETE0004	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	26	214	T,A,S
PETE0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/83-10/03/83	0	6	
PETE0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-06/28/83	9	39	
PETE0018	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	26	283	T,A,S
PETE0020	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-07/26/74	0	6	
PETE0022	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	8	34	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0027	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-08/30/74	5	36	
PETE0028	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	8	34	
PETE0029	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/16/83-10/03/83	0	6	
PETE0031	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/26/70-08/30/74	4	26	
PETE0032	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/83-10/03/83	0	7	
PETE0033	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-08/29/73	0	4	
PETE0034	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-10/12/73	0	5	
PETE0035	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-11/04/71	2	18	
PETE0040	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	23	207	
PETE0042	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-08/20/96	22	73	
PETE0044	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	7	75	
PETE0045	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/12/79	4	41	
PETE0046	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/72-03/24/78	5	29	
PETE0048	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/72-03/24/78	5	32	
PETE0049	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/72-03/24/78	5	31	
PETE0050	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/72-07/08/74	1	10	
PETE0055	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/16/83-10/12/83	0	11	
PETE0057	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/19/73-07/26/74	1	7	
PETE0067	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/83-08/30/83	0	3	
PETE0069	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/73-07/08/74	1	3	
PETE0071	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/75-12/10/81	6	53	
PETE0073	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-10/12/83	10	63	
PETE0074	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-11/04/71	2	18	
PETE0076	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/19/73-07/08/74	1	7	
PETE0078	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-11/04/71	1	17	
PETE0079	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/87-09/14/87	0	1	
PETE0080	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	26	255	T,A,S
PETE0083	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/05/74-06/12/79	5	48	
PETE0085	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/94-07/16/96	2	9	
PETE0088	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/28/77-11/19/92	14	70	
PETE0090	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	0	1	
PETE0093	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/06/71-06/04/79	7	35	
PETE0095	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0096	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0097	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/07/73-09/26/73	0	16	
PETE0099	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/15/80-11/08/90	10	23	
PETE0102	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/06/71-06/08/77	5	27	
PETE0107	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/30/74-06/09/76	2	14	
PETE0108	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0109	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/71-07/17/96	24	36	
PETE0114	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/94-06/17/96	1	8	
PETE0007	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	363	
PETE0040	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	364	
PETE0088	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	8	264	
PETE0090	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	7	266	
PETE0004	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	26	213	T,A,S
PETE0007	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/83-12/11/91	8	4	
PETE0009	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	9	39	
PETE0018	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	26	279	T,A,S
PETE0020	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-07/26/74	0	6	
PETE0022	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	8	34	
PETE0027	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-08/30/74	5	35	
PETE0028	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	8	34	
PETE0029	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/16/83-10/03/83	0	4	
PETE0031	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/26/70-08/30/74	4	26	
PETE0032	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0033	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-08/29/73	0	4	
PETE0034	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/73	0	5	
PETE0040	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	23	207	
PETE0042	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	22	69	
PETE0044	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	7	76	
PETE0045	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/10/74-06/12/79	4	41	
PETE0046	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/72-03/24/78	5	30	
PETE0048	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/72-03/24/78	5	32	
PETE0049	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/72-03/24/78	5	31	
PETE0050	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/31/72-07/08/74	1	10	
PETE0055	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/16/83-10/03/83	0	3	
PETE0057	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/19/73-07/26/74	1	7	
PETE0067	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/83-08/30/83	0	2	
PETE0069	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/73-07/08/74	1	3	
PETE0071	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	6	53	
PETE0073	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/83	10	64	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0076	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/19/73-07/08/74	1	7	
PETE0079	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/14/87-09/14/87	0	1	
PETE0080	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	26	257	T,A,S
PETE0083	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/74-06/12/79	5	49	
PETE0085	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/12/94-07/16/96	2	9	
PETE0088	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/20/90-11/19/92	1	13	
PETE0093	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	7	35	
PETE0095	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/83-10/12/83	0	9	
PETE0096	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0099	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/15/80-11/08/90	10	17	
PETE0102	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/08/77	5	27	
PETE0107	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/30/74-06/09/76	2	14	
PETE0108	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0109	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	24	36	
PETE0114	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/14/94-06/17/96	1	8	
PETE0007	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	357	
PETE0040	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	356	
PETE0088	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-03/14/94	4	214	
PETE0090	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	7	266	
PETE0004	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	26	211	T,A,S
PETE0007	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0009	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	9	39	
PETE0018	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	26	268	T,A,S
PETE0020	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-07/26/74	0	6	
PETE0022	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	8	34	
PETE0027	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-08/30/74	5	35	
PETE0028	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	8	34	
PETE0029	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/83-10/03/83	0	4	
PETE0031	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/26/70-08/30/74	4	26	
PETE0032	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0033	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-08/29/73	0	4	
PETE0034	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/73	0	5	
PETE0040	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	23	193	
PETE0042	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	22	69	
PETE0044	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	7	60	
PETE0045	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/10/74-05/15/78	3	26	
PETE0046	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/72-08/13/76	4	29	
PETE0048	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/72-08/13/76	4	31	
PETE0049	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/72-08/13/76	4	29	
PETE0050	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/31/72-07/08/74	1	10	
PETE0055	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/83-10/03/83	0	3	
PETE0057	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/19/73-07/26/74	1	7	
PETE0067	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/83-08/30/83	0	2	
PETE0069	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/73-07/08/74	1	3	
PETE0071	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	6	38	
PETE0073	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/03/83	10	46	
PETE0076	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/19/73-07/08/74	1	7	
PETE0079	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/14/87-09/14/87	0	1	
PETE0080	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	26	243	T,A,S
PETE0083	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/74-05/25/78	4	34	
PETE0085	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/12/94-07/16/96	2	9	
PETE0088	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/09/91-08/09/91	0	1	
PETE0093	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	7	34	
PETE0095	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/83-10/03/83	0	8	
PETE0096	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0099	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/26/90-11/08/90	0	2	
PETE0102	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/08/77	5	27	
PETE0107	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/30/74-06/09/76	2	14	
PETE0108	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0109	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	24	36	
PETE0114	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/14/94-06/17/96	1	8	
PETE0004	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	0	3	
PETE0007	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0029	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	0	4	
PETE0032	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0042	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	0	4	
PETE0055	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	0	3	
PETE0067	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-08/30/83	0	2	
PETE0073	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	0	2	
PETE0088	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/28/77-08/26/91	13	29	
PETE0095	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0088	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	01/25/78-01/13/81	2	26	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0004	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	26	212	T,A,S
PETE0007	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	10	304	
PETE0009	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/74-06/28/83	9	39	
PETE0018	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	26	282	T,A,S
PETE0020	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-07/26/74	0	6	
PETE0022	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	8	34	
PETE0027	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-08/30/74	5	36	
PETE0028	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	8	34	
PETE0029	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/16/83-10/03/83	0	4	
PETE0031	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/26/70-08/30/74	4	26	
PETE0032	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0033	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/29/73	0	4	
PETE0034	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-10/12/73	0	5	
PETE0035	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-11/04/71	2	18	
PETE0040	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	23	508	
PETE0042	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-08/20/96	22	69	
PETE0044	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	7	74	
PETE0045	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/10/74-06/12/79	4	41	
PETE0046	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/72-03/24/78	5	30	
PETE0048	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/72-03/24/78	5	32	
PETE0049	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/72-03/24/78	5	31	
PETE0050	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/72-07/08/74	1	10	
PETE0055	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/16/83-10/03/83	0	3	
PETE0057	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/19/73-07/26/74	1	7	
PETE0067	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-08/30/83	0	2	
PETE0069	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/73-07/08/74	1	3	
PETE0071	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/75-12/10/81	6	53	
PETE0073	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-10/03/83	10	60	
PETE0074	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-11/04/71	2	19	
PETE0076	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/19/73-07/08/74	1	7	
PETE0078	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-11/04/71	1	17	
PETE0079	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/14/87-09/14/87	0	1	
PETE0080	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	26	254	A,S
PETE0083	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/74-06/12/79	5	49	
PETE0085	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/12/94-07/16/96	2	9	
PETE0088	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	16	314	
PETE0090	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	5	225	
PETE0093	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/71-06/04/79	7	35	
PETE0095	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0096	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0097	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/07/73-09/26/73	0	16	
PETE0099	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/80-11/08/90	10	23	
PETE0102	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/71-06/08/77	5	27	
PETE0107	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/30/74-06/09/76	2	14	
PETE0108	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0109	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/07/71-07/17/96	24	36	
PETE0114	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/14/94-06/17/96	1	8	
PETE0004	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/30/80-09/30/80	0	1	
PETE0018	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	1	15	
PETE0035	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/20/69-11/04/71	2	19	
PETE0040	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	1	14	
PETE0044	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	1	15	
PETE0045	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	1	15	
PETE0046	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/78-03/24/78	0	1	
PETE0048	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/78-03/24/78	0	1	
PETE0049	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/78-03/24/78	0	1	
PETE0071	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	1	15	
PETE0073	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	1	14	
PETE0074	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/20/69-11/04/71	2	19	
PETE0078	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/16/70-11/04/71	1	17	
PETE0080	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	1	14	
PETE0083	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	1	15	
PETE0088	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/28/77-11/19/92	14	41	
PETE0096	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0097	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/07/73-09/26/73	0	16	
PETE0099	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/15/80-10/09/80	0	20	
PETE0108	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/14/73-05/05/74	0	11	
PETE0004	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	0	3	
PETE0007	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-08/20/96	13	17	
PETE0029	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	0	4	
PETE0032	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0040	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/20/96-08/20/96	0	14	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0042	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	0	4	
PETE0055	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	0	3	
PETE0067	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-08/30/83	0	2	
PETE0073	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	0	2	
PETE0088	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	14	298	
PETE0090	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/20/96-08/20/96	0	4	
PETE0095	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-09/27/83	0	3	
PETE0035	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/21/70-11/04/71	1	15	
PETE0074	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/21/70-11/04/71	1	16	
PETE0078	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/16/70-11/04/71	1	17	
PETE0088	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/09/79-06/15/79	0	2	
PETE0100	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/28/69-04/28/69	0	1	
PETE0105	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/05/69-05/05/69	0	1	
PETE0027	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-10/02/69	0	3	
PETE0035	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-11/04/71	2	19	
PETE0074	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-11/04/71	2	19	
PETE0078	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/16/70-11/04/71	1	17	
PETE0088	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/12/83-03/02/83	0	2	
PETE0004	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	16	184	
PETE0007	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	10	308	
PETE0009	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-06/28/83	3	13	
PETE0018	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	16	190	A
PETE0022	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-06/28/83	3	13	
PETE0028	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-06/28/83	3	13	
PETE0029	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/83-10/03/83	0	5	
PETE0032	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-09/27/83	0	5	
PETE0040	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	14	459	
PETE0042	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-08/20/96	16	44	
PETE0044	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-03/24/81	1	17	
PETE0055	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/83-10/03/83	0	4	
PETE0067	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-08/30/83	0	2	
PETE0071	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-12/10/81	2	15	
PETE0073	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-10/12/83	0	4	
PETE0079	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/14/87-09/14/87	0	1	
PETE0080	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	16	188	A
PETE0085	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/12/94-07/16/96	2	9	
PETE0088	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	16	316	
PETE0090	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	5	226	
PETE0095	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-10/12/83	0	5	
PETE0096	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/73-05/05/74	0	11	
PETE0097	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/07/73-09/26/73	0	16	
PETE0099	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/80-11/08/90	10	23	
PETE0108	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/73-05/05/74	0	11	
PETE0109	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/94-07/17/96	1	9	
PETE0114	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/14/94-06/17/96	1	8	
PETE0007	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	11	335	
PETE0040	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	11	337	
PETE0088	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	16	306	
PETE0090	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	6	236	
PETE0004	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	08/16/83-10/12/83	0	10	
PETE0007	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	0	13	
PETE0029	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	08/16/83-10/12/83	0	10	
PETE0032	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	0	11	
PETE0042	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	08/16/83-10/03/83	0	6	
PETE0055	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	08/16/83-10/12/83	0	9	
PETE0067	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-08/30/83	0	2	
PETE0073	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	0	5	
PETE0095	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	0	8	
PETE0004	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	14	156	
PETE0007	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	13	361	
PETE0009	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/19/80-06/28/83	3	13	
PETE0018	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	130	
PETE0022	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/19/80-06/28/83	3	13	
PETE0028	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/19/80-06/28/83	3	13	
PETE0029	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/83-10/03/83	0	4	
PETE0032	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-09/27/83	0	3	
PETE0040	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	17	516	A
PETE0042	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/19/80-07/07/94	14	18	
PETE0044	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-03/24/81	1	17	
PETE0055	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/83-10/03/83	0	3	
PETE0067	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/30/83	0	2	
PETE0071	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-12/10/81	2	15	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0073	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/83-10/03/83	0	2	
PETE0079	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/14/87-09/14/87	0	1	
PETE0080	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	134	
PETE0088	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	12	288	
PETE0090	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	7	266	
PETE0095	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-09/27/83	0	3	
PETE0096	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/14/73-05/05/74	0	11	
PETE0097	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/07/73-09/26/73	0	16	
PETE0099	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/15/80-11/08/90	10	22	
PETE0108	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/14/73-05/05/74	0	11	
PETE0004	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	16	174	
PETE0007	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	12	323	
PETE0009	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-06/28/83	3	13	
PETE0018	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	16	186	
PETE0022	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-06/28/83	3	12	
PETE0028	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/01/75-06/28/83	8	32	
PETE0029	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/16/83-10/03/83	0	4	
PETE0032	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-09/27/83	0	3	
PETE0035	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/71-11/04/71	0	4	
PETE0040	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	21	505	A
PETE0042	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-07/23/96	16	41	
PETE0044	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-03/24/81	1	17	
PETE0055	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/16/83-10/03/83	0	3	
PETE0067	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-08/30/83	0	2	
PETE0071	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-12/10/81	2	15	
PETE0073	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/16/83-10/03/83	0	2	
PETE0074	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/71-11/04/71	0	4	
PETE0078	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/71-11/04/71	0	4	
PETE0080	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	21	217	
PETE0085	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/12/94-07/16/96	2	9	
PETE0088	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	16	244	
PETE0090	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/06/89-08/11/94	5	205	
PETE0095	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-09/27/83	0	3	
PETE0099	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/26/90-07/26/90	0	1	
PETE0109	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/27/94-07/17/96	1	8	
PETE0114	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/14/94-06/17/96	1	8	
PETE0088	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/28/77-01/06/94	16	9	
PETE0085	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	07/05/95-07/05/95	0	1	
PETE0109	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/20/95-11/20/95	0	1	
PETE0088	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/28/77-08/13/80	2	7	
PETE0035	No	00690	CARBON, TOTAL (MG/L AS C)	10/21/71-11/04/71	0	4	
PETE0074	No	00690	CARBON, TOTAL (MG/L AS C)	10/21/71-11/04/71	0	4	
PETE0078	No	00690	CARBON, TOTAL (MG/L AS C)	10/21/71-11/04/71	0	4	
PETE0051	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0058	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0063	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0064	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0065	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0066	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0068	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0070	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0072	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0075	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0077	No	00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	0	1	
PETE0004	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	7	79	
PETE0007	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/26/94-07/23/96	2	28	
PETE0018	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	7	87	
PETE0040	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	11	83	
PETE0042	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/07/94-07/23/96	2	24	
PETE0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	7	85	
PETE0085	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/12/94-07/16/96	2	9	
PETE0088	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/28/77-11/05/85	7	38	
PETE0090	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/92-08/11/92	0	1	
PETE0093	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/08/77-06/04/79	1	10	
PETE0099	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/90-07/26/90	0	1	
PETE0100	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/01/29-04/28/69	40	57	
PETE0105	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/11/46-05/05/69	22	7	
PETE0109	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/94-07/17/96	1	8	
PETE0114	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/14/94-06/17/96	1	8	
PETE0088	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/28/77-01/13/81	3	28	
PETE0100	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/10/46-04/28/69	22	20	
PETE0105	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/11/46-05/05/69	22	7	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0088	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/28/77-11/19/92	14	93	
PETE0100	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/01/29-04/28/69	40	57	
PETE0105	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/11/46-05/05/69	22	7	
PETE0088	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/28/77-11/19/92	14	93	
PETE0100	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/01/29-04/28/69	40	57	
PETE0105	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/11/46-05/05/69	22	7	
PETE0088	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/28/77-11/19/92	14	93	
PETE0100	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/01/29-04/28/69	40	56	
PETE0105	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/11/46-05/05/69	22	7	
PETE0088	No	00931	SODIUM ADSORPTION RATIO	12/28/77-11/05/85	7	38	
PETE0100	No	00931	SODIUM ADSORPTION RATIO	04/28/69-04/28/69	0	1	
PETE0105	No	00931	SODIUM ADSORPTION RATIO	05/05/69-05/05/69	0	1	
PETE0088	No	00932	SODIUM, PERCENT	12/28/77-11/05/85	7	38	
PETE0100	No	00932	SODIUM, PERCENT	04/28/69-04/28/69	0	1	
PETE0105	No	00932	SODIUM, PERCENT	05/05/69-05/05/69	0	1	
PETE0088	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/16/79-02/15/80	0	7	
PETE0088	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/28/77-11/19/92	14	93	
PETE0100	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/29-04/28/69	40	45	
PETE0105	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/52-05/05/69	16	4	
PETE0004	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	24	91	
PETE0007	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/08/94-07/23/96	1	22	
PETE0009	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/07/74-04/24/79	4	26	
PETE0018	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	23	86	
PETE0020	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/26/74	0	6	
PETE0022	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/01/75-04/24/79	3	20	
PETE0027	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-08/30/74	4	17	
PETE0028	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/01/75-04/24/79	3	21	
PETE0031	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-08/30/74	2	16	
PETE0035	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-05/05/70	0	1	
PETE0040	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	23	81	
PETE0042	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/23/96	22	49	
PETE0046	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-09/05/72	0	2	
PETE0048	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-09/05/72	0	2	
PETE0049	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/15/73	0	3	
PETE0050	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-08/09/72	0	1	
PETE0074	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-05/05/70	0	1	
PETE0078	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-05/05/70	0	1	
PETE0080	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	7	86	
PETE0085	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/12/94-07/16/96	2	9	
PETE0088	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/28/77-11/19/92	14	93	
PETE0093	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/04/79-06/04/79	0	1	
PETE0099	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/08/90-11/08/90	0	1	
PETE0100	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/01/29-04/28/69	40	57	
PETE0105	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/11/46-05/05/69	22	7	
PETE0109	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/27/94-07/17/96	1	8	
PETE0114	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/14/94-06/17/96	1	8	
PETE0004	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	8	77	
PETE0007	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/08/94-07/23/96	1	22	
PETE0018	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	7	83	
PETE0040	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	8	78	
PETE0042	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/07/94-07/23/96	2	24	
PETE0071	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/13/75-10/13/75	0	1	
PETE0080	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	7	84	
PETE0085	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/94-07/16/96	2	9	
PETE0088	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/28/77-11/19/92	14	93	
PETE0099	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/90-11/08/90	0	1	
PETE0100	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/01/29-04/28/69	40	57	
PETE0105	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/11/46-05/05/69	22	7	
PETE0109	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-07/17/96	1	8	
PETE0114	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/14/94-06/17/96	1	8	
PETE0088	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/28/77-11/19/92	14	93	
PETE0100	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/45-04/28/69	23	15	
PETE0105	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/11/46-05/05/69	22	7	
PETE0004	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	7	56	
PETE0018	No	00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-04/19/93	4	39	
PETE0040	No	00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-05/26/93	4	46	
PETE0080	No	00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-04/19/93	4	39	
PETE0099	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/08/90-11/08/90	0	1	
PETE0004	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/89-01/14/93	3	42	
PETE0007	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	7	204	
PETE0018	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/89-01/21/93	3	40	
PETE0040	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	7	246	

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Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0080	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-01/21/93	3	39	
PETE0088	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	16	314	
PETE0090	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	7	265	
PETE0099	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/08/90-11/08/90	0	1	
PETE0100	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/01/29-04/28/69	40	56	
PETE0105	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/11/46-05/05/69	22	7	
PETE0088	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/28/77-08/26/91	13	47	
PETE0088	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	12/28/77-05/12/82	4	8	
PETE0004	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/28/93	22	13	
PETE0009	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-10/28/82	6	3	
PETE0018	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	21	21	
PETE0022	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-10/28/82	6	3	
PETE0027	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/13/71-05/02/72	0	2	
PETE0028	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-10/28/82	6	3	
PETE0031	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/16/72-05/16/72	0	1	
PETE0040	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/15/71-04/28/93	22	16	
PETE0042	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-10/28/82	6	3	
PETE0044	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-05/15/78	2	4	
PETE0045	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-05/15/78	2	4	
PETE0046	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/72-05/27/76	4	2	
PETE0048	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/72-05/27/76	4	2	
PETE0049	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/72-05/27/76	4	2	
PETE0071	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-05/25/78	2	4	
PETE0073	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-05/25/78	2	4	
PETE0080	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	21	20	
PETE0083	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-06/09/77	1	3	
PETE0088	No	01002	ARSENIC, TOTAL (UG/L AS AS)	12/28/77-07/08/82	4	12	
PETE0093	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/06/71-05/13/76	4	3	
PETE0102	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/06/71-05/13/76	4	3	
PETE0107	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/13/76-05/13/76	0	1	
PETE0109	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/06/71-05/13/76	4	4	
PETE0004	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/30/80-09/23/91	10	5	
PETE0010	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/23/92-06/23/92	0	1	
PETE0018	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/30/80-09/17/91	10	3	
PETE0026	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/25/92-06/25/92	0	1	
PETE0040	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/12/79-09/23/91	11	5	
PETE0044	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/30/80-09/30/80	0	1	
PETE0080	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/17/91-09/17/91	0	1	
PETE0085	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	07/05/95-07/05/95	0	1	
PETE0093	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/30/91-10/30/91	0	1	
PETE0099	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	07/01/80-07/01/80	0	1	
PETE0109	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/06/95-06/06/95	0	1	
PETE0004	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	06/25/92-06/25/92	0	3	
PETE0040	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/27/86-07/26/91	4	8	
PETE0088	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/28/77-11/19/92	14	52	
PETE0088	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	12/28/77-12/15/81	3	9	
PETE0088	No	01007	BARIUM, TOTAL (UG/L AS BA)	12/28/77-07/08/82	4	12	
PETE0088	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/16/82-08/26/91	8	33	
PETE0018	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/15/92-01/21/93	0	2	
PETE0080	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/15/92-01/21/93	0	2	
PETE0085	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	07/05/95-07/05/95	0	1	
PETE0109	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/06/95-06/06/95	0	1	
PETE0088	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/28/77-08/26/91	13	45	
PETE0088	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/28/77-12/15/81	3	8	
PETE0004	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/28/71-04/28/93	22	14	
PETE0009	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-10/28/82	6	3	
PETE0018	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/19/93	22	23	
PETE0022	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-10/28/82	6	3	
PETE0027	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/72-08/20/72	0	4	
PETE0028	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-10/28/82	6	3	
PETE0031	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/16/72-08/17/72	0	2	
PETE0040	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/28/93	22	18	
PETE0042	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-10/28/82	6	3	
PETE0044	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-05/15/78	2	4	
PETE0045	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-05/15/78	2	4	
PETE0046	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/72-05/27/76	4	5	
PETE0048	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/72-05/27/76	4	5	
PETE0049	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/72-05/27/76	4	5	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0050	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/31/72-08/09/72	0	2	
PETE0071	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-05/25/78	2	4	
PETE0073	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-05/25/78	2	4	
PETE0080	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/28/71-04/19/93	21	23	
PETE0083	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-06/09/77	1	3	
PETE0088	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/28/77-07/08/82	4	11	
PETE0093	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/06/71-05/13/76	4	4	
PETE0102	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/06/71-05/13/76	4	4	
PETE0107	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/76-05/13/76	0	1	
PETE0109	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/06/71-05/13/76	4	5	
PETE0004	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/23/91	10	5	
PETE0005	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0006	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0010	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/92-06/23/92	0	1	
PETE0011	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0012	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0014	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0016	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0017	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0018	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/17/91	10	3	
PETE0021	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0023	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0026	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/25/92-06/25/92	0	1	
PETE0037	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/13/77-05/13/77	0	1	
PETE0040	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/12/79-06/22/93	13	6	
PETE0044	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/30/80	0	1	
PETE0080	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/91-09/17/91	0	1	
PETE0085	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/05/95-07/05/95	0	1	
PETE0093	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/91-10/30/91	0	1	
PETE0099	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/01/80-07/01/80	0	1	
PETE0109	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/95-06/06/95	0	1	
PETE0004	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/23/91	10	5	
PETE0010	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/92-06/23/92	0	1	
PETE0018	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/17/91	10	3	
PETE0026	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/25/92-06/25/92	0	1	
PETE0040	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/12/79-09/23/91	11	5	
PETE0044	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/30/80	0	1	
PETE0080	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/91-09/17/91	0	1	
PETE0085	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/05/95-07/05/95	0	1	
PETE0093	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/91-10/30/91	0	1	
PETE0099	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/01/80-07/01/80	0	1	
PETE0109	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/95-06/06/95	0	1	
PETE0088	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/28/77-08/26/91	13	47	
PETE0088	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/28/77-07/08/82	4	9	
PETE0004	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/28/71-04/28/93	22	15	
PETE0009	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-10/28/82	7	7	
PETE0018	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/19/93	23	33	
PETE0022	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-10/28/82	7	6	
PETE0027	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/21/70-05/03/73	3	8	
PETE0028	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-10/28/82	7	7	
PETE0031	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/16/72-10/12/72	0	3	
PETE0033	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/03/73	0	1	
PETE0034	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/03/73	0	1	
PETE0040	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/28/93	23	22	
PETE0042	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-10/28/82	7	7	
PETE0044	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/15/78	5	9	
PETE0045	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/17/75-05/15/78	3	7	
PETE0046	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/72-05/27/76	4	8	
PETE0048	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/72-05/27/76	4	8	
PETE0049	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/72-05/27/76	4	8	
PETE0050	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/31/72-05/03/73	0	4	
PETE0069	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/03/73	0	1	
PETE0071	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/17/75-05/25/78	3	8	
PETE0073	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/25/78	5	9	
PETE0076	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/73-05/14/73	0	1	
PETE0080	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/24/70-04/19/93	23	34	
PETE0083	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/17/75-11/16/77	2	6	
PETE0088	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/28/77-07/08/82	4	12	
PETE0093	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/06/71-05/13/76	4	7	
PETE0102	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/06/71-05/13/76	4	7	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0107	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/75-05/13/76	0	2	
PETE0109	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/06/71-05/13/76	4	8	
PETE0088	No	01035	COBALT, DISSOLVED (UG/L AS CO)	12/28/77-11/19/92	14	51	
PETE0088	No	01036	COBALT, SUSPENDED (UG/L AS CO)	12/28/77-08/13/80	2	8	
PETE0088	No	01037	COBALT, TOTAL (UG/L AS CO)	12/28/77-07/08/82	4	12	
PETE0088	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/28/77-08/26/91	13	46	
PETE0088	No	01041	COPPER, SUSPENDED (UG/L AS CU)	12/28/77-07/08/82	4	12	
PETE0004	No	01042	COPPER, TOTAL (UG/L AS CU)	04/28/71-04/28/93	22	15	
PETE0009	No	01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-10/28/82	7	7	
PETE0018	No	01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/19/93	23	33	
PETE0022	No	01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-10/28/82	7	7	
PETE0027	No	01042	COPPER, TOTAL (UG/L AS CU)	04/21/70-05/03/73	3	8	
PETE0028	No	01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-10/28/82	7	6	
PETE0031	No	01042	COPPER, TOTAL (UG/L AS CU)	05/16/72-10/12/72	0	3	
PETE0033	No	01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/03/73	0	1	
PETE0034	No	01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/03/73	0	1	
PETE0040	No	01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/28/93	23	22	
PETE0042	No	01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-10/28/82	7	7	
PETE0044	No	01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/15/78	5	9	
PETE0045	No	01042	COPPER, TOTAL (UG/L AS CU)	03/17/75-05/15/78	3	7	
PETE0046	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/72-05/27/76	4	8	
PETE0048	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/72-05/27/76	4	8	
PETE0049	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/72-05/27/76	4	8	
PETE0050	No	01042	COPPER, TOTAL (UG/L AS CU)	07/31/72-05/03/73	0	4	
PETE0069	No	01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/03/73	0	1	
PETE0071	No	01042	COPPER, TOTAL (UG/L AS CU)	03/17/75-05/25/78	3	8	
PETE0073	No	01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/25/78	5	9	
PETE0076	No	01042	COPPER, TOTAL (UG/L AS CU)	05/14/73-05/14/73	0	1	
PETE0080	No	01042	COPPER, TOTAL (UG/L AS CU)	03/24/70-04/19/93	23	33	
PETE0083	No	01042	COPPER, TOTAL (UG/L AS CU)	03/17/75-11/16/77	2	6	
PETE0088	No	01042	COPPER, TOTAL (UG/L AS CU)	12/28/77-07/08/82	4	12	
PETE0093	No	01042	COPPER, TOTAL (UG/L AS CU)	08/06/71-12/14/78	7	12	
PETE0102	No	01042	COPPER, TOTAL (UG/L AS CU)	08/06/71-05/13/76	4	7	
PETE0107	No	01042	COPPER, TOTAL (UG/L AS CU)	06/06/75-05/13/76	0	2	
PETE0109	No	01042	COPPER, TOTAL (UG/L AS CU)	08/06/71-05/13/76	4	8	
PETE0004	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/80-09/23/91	10	5	
PETE0005	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0006	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0010	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/23/92-06/23/92	0	1	
PETE0011	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0012	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0014	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0016	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0017	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0018	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/80-09/17/91	10	3	
PETE0021	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0023	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0026	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/25/92-06/25/92	0	1	
PETE0037	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	0	1	
PETE0040	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/12/79-09/23/91	11	5	
PETE0044	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/80-09/30/80	0	1	
PETE0080	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/17/91-09/17/91	0	1	
PETE0085	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/05/95-07/05/95	0	1	
PETE0093	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/26/78-10/30/91	13	9	
PETE0099	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/01/80-07/01/80	0	1	
PETE0109	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/06/95-06/06/95	0	1	
PETE0088	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/13/78-07/08/82	4	11	
PETE0004	No	01045	IRON, TOTAL (UG/L AS FE)	04/28/71-04/28/93	22	10	
PETE0018	No	01045	IRON, TOTAL (UG/L AS FE)	11/22/70-04/19/93	22	13	
PETE0040	No	01045	IRON, TOTAL (UG/L AS FE)	11/22/70-04/28/93	22	9	
PETE0080	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/70-04/19/93	22	13	
PETE0088	No	01045	IRON, TOTAL (UG/L AS FE)	12/28/77-07/08/82	4	12	
PETE0099	No	01045	IRON, TOTAL (UG/L AS FE)	04/15/80-07/26/90	10	23	
PETE0088	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/28/77-11/19/92	14	52	
PETE0100	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/28/69-04/28/69	0	1	
PETE0105	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/05/69-05/05/69	0	1	
PETE0088	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/28/77-08/26/91	13	45	
PETE0088	No	01050	LEAD, SUSPENDED (UG/L AS PB)	12/28/77-05/12/82	4	9	
PETE0004	No	01051	LEAD, TOTAL (UG/L AS PB)	04/28/71-04/28/93	22	15	
PETE0009	No	01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-10/28/82	7	7	
PETE0018	No	01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/19/93	22	29	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0022	No	01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-10/28/82	7	7	
PETE0027	No	01051	LEAD, TOTAL (UG/L AS PB)	06/13/71-10/04/72	1	6	
PETE0028	No	01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-10/28/82	7	7	
PETE0031	No	01051	LEAD, TOTAL (UG/L AS PB)	05/16/72-10/12/72	0	3	
PETE0040	No	01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/28/93	22	22	
PETE0042	No	01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-10/28/82	7	7	
PETE0044	No	01051	LEAD, TOTAL (UG/L AS PB)	12/14/73-05/15/78	4	8	
PETE0045	No	01051	LEAD, TOTAL (UG/L AS PB)	03/17/75-05/15/78	3	7	
PETE0046	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-05/27/76	4	7	
PETE0048	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-05/27/76	4	7	
PETE0049	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-05/27/76	4	7	
PETE0050	No	01051	LEAD, TOTAL (UG/L AS PB)	07/31/72-10/04/72	0	3	
PETE0071	No	01051	LEAD, TOTAL (UG/L AS PB)	03/17/75-11/16/77	2	7	
PETE0073	No	01051	LEAD, TOTAL (UG/L AS PB)	12/14/73-11/16/77	3	7	
PETE0080	No	01051	LEAD, TOTAL (UG/L AS PB)	06/29/70-04/19/93	22	29	
PETE0083	No	01051	LEAD, TOTAL (UG/L AS PB)	03/17/75-11/16/77	2	6	
PETE0088	No	01051	LEAD, TOTAL (UG/L AS PB)	12/28/77-07/08/82	4	11	
PETE0093	No	01051	LEAD, TOTAL (UG/L AS PB)	08/06/71-05/13/76	4	6	
PETE0102	No	01051	LEAD, TOTAL (UG/L AS PB)	08/06/71-05/13/76	4	6	
PETE0107	No	01051	LEAD, TOTAL (UG/L AS PB)	06/06/75-05/13/76	0	2	
PETE0109	No	01051	LEAD, TOTAL (UG/L AS PB)	08/06/71-05/13/76	4	7	
PETE0004	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/80-09/23/91	10	5	
PETE0005	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0006	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0010	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/23/92-06/23/92	0	1	
PETE0011	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0012	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0014	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0016	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0017	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0018	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/80-09/17/91	10	3	
PETE0021	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0023	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0026	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/25/92-06/25/92	0	1	
PETE0037	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	0	1	
PETE0040	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/12/79-09/23/91	11	5	
PETE0044	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/80-09/30/80	0	1	
PETE0080	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/17/91-09/17/91	0	1	
PETE0085	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/05/95-07/05/95	0	1	
PETE0093	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/30/91-10/30/91	0	1	
PETE0099	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/01/80-07/01/80	0	1	
PETE0109	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/06/95-06/06/95	0	1	
PETE0085	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/05/95-07/05/95	0	1	
PETE0109	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/06/95-06/06/95	0	1	
PETE0088	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	12/28/77-07/08/82	4	12	
PETE0004	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/28/71-04/28/93	22	10	
PETE0018	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/23/70-04/19/93	23	14	
PETE0027	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/21/70-04/21/70	0	1	
PETE0040	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/23/70-04/28/93	23	9	
PETE0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/24/70-04/19/93	23	14	
PETE0088	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/28/77-07/08/82	4	12	
PETE0099	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/15/80-07/26/90	10	22	
PETE0088	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/28/77-11/19/92	14	49	
PETE0018	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/15/92-01/21/93	0	2	
PETE0080	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/15/92-01/21/93	0	2	
PETE0088	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-11/19/92	10	38	
PETE0009	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-05/22/78	2	3	
PETE0018	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/29/73-05/15/78	5	9	
PETE0022	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-05/22/78	2	3	
PETE0027	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	0	1	
PETE0028	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-05/22/78	2	3	
PETE0033	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	0	1	
PETE0034	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	0	1	
PETE0040	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/15/78	5	5	
PETE0042	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-05/22/78	2	3	
PETE0044	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/15/78	5	8	
PETE0045	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/17/75-05/15/78	3	7	
PETE0046	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/27/76	3	3	
PETE0048	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/27/76	3	3	
PETE0049	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/27/76	3	3	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0050	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	0	1	
PETE0069	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	0	1	
PETE0071	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/17/75-05/25/78	3	8	
PETE0073	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/25/78	5	8	
PETE0076	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/14/73-05/14/73	0	1	
PETE0080	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/29/73-05/25/78	5	9	
PETE0083	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/17/75-11/16/77	2	6	
PETE0088	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-11/19/92	13	45	
PETE0093	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/18/73-05/13/76	2	3	
PETE0102	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/18/73-05/13/76	2	3	
PETE0107	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/75-05/13/76	0	2	
PETE0109	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/18/73-05/13/76	2	4	
PETE0088	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	11/07/79-05/12/82	2	6	
PETE0004	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/04/82-04/28/93	10	11	
PETE0009	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/16/81-10/28/82	0	4	
PETE0018	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/04/82-04/19/93	10	13	
PETE0022	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/16/81-10/28/82	0	4	
PETE0028	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/16/81-10/28/82	0	4	
PETE0040	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/04/82-04/28/93	10	9	
PETE0042	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/16/81-10/28/82	0	4	
PETE0080	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/04/82-04/19/93	10	13	
PETE0088	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/07/79-07/08/82	2	7	
PETE0004	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/23/91	10	5	
PETE0010	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/92-06/23/92	0	1	
PETE0018	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-05/20/81	0	2	
PETE0026	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/25/92-06/25/92	0	1	
PETE0040	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/12/79-09/23/91	11	5	
PETE0044	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/30/80	0	1	
PETE0080	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/91-09/17/91	0	1	
PETE0085	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/05/95-07/05/95	0	1	
PETE0093	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/91-10/30/91	0	1	
PETE0099	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/01/80-07/01/80	0	1	
PETE0109	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/95-06/06/95	0	1	
PETE0004	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	06/25/92-06/25/92	0	3	
PETE0040	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	08/27/86-07/26/91	4	8	
PETE0004	No	01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	06/25/92-06/25/92	0	3	
PETE0040	No	01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	07/26/91-07/26/91	0	3	
PETE0088	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/28/77-11/19/92	14	52	
PETE0088	No	01076	SILVER, SUSPENDED (UG/L AS AG)	12/28/77-08/13/80	2	8	
PETE0088	No	01077	SILVER, TOTAL (UG/L AS AG)	12/28/77-07/08/82	4	14	
PETE0085	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	07/05/95-07/05/95	0	1	
PETE0109	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	06/06/95-06/06/95	0	1	
PETE0088	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-11/19/92	10	38	
PETE0088	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-11/19/92	10	38	
PETE0088	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/28/77-08/26/91	13	47	
PETE0088	No	01091	ZINC, SUSPENDED (UG/L ZN)	12/28/77-08/13/80	2	8	
PETE0004	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/28/71-04/28/93	22	15	
PETE0009	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-10/28/82	7	7	
PETE0018	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/19/93	23	33	
PETE0022	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-10/28/82	7	7	
PETE0027	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/21/70-05/03/73	3	8	
PETE0028	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-10/28/82	7	7	
PETE0031	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/16/72-10/12/72	0	3	
PETE0033	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/03/73	0	1	
PETE0034	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/03/73	0	1	
PETE0040	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/28/93	23	22	
PETE0042	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-10/28/82	7	7	
PETE0044	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/15/78	5	9	
PETE0045	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/17/75-05/15/78	3	7	
PETE0046	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/72-05/27/76	4	8	
PETE0048	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/72-05/27/76	4	8	
PETE0049	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/72-05/27/76	4	8	
PETE0050	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/31/72-05/03/73	0	4	
PETE0069	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/03/73	0	1	
PETE0071	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/17/75-05/25/78	3	7	
PETE0073	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/25/78	5	9	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0076	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/14/73-05/14/73	0	1	
PETE0080	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/24/70-04/19/93	23	34	
PETE0083	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/17/75-11/16/77	2	6	
PETE0088	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/28/77-07/08/82	4	12	
PETE0093	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/06/71-05/13/76	4	7	
PETE0102	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/06/71-05/13/76	4	7	
PETE0107	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/06/75-05/13/76	0	2	
PETE0109	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/06/71-05/13/76	4	8	
PETE0004	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/80-09/23/91	10	5	
PETE0005	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0006	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0010	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/23/92-06/23/92	0	1	
PETE0011	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0012	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0014	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0016	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0017	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0018	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/80-09/17/91	10	3	
PETE0021	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0023	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0026	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/25/92-06/25/92	0	1	
PETE0037	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	0	1	
PETE0040	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/12/79-09/23/91	11	5	
PETE0044	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/80-09/30/80	0	1	
PETE0080	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/17/91-09/17/91	0	1	
PETE0085	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/05/95-07/05/95	0	1	
PETE0093	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/30/91-10/30/91	0	1	
PETE0099	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/01/80-07/01/80	0	1	
PETE0109	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/06/95-06/06/95	0	1	
PETE0085	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/05/95-07/05/95	0	1	
PETE0109	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	06/06/95-06/06/95	0	1	
PETE0088	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-11/19/92	10	38	
PETE0085	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	07/05/95-07/05/95	0	1	
PETE0109	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	06/06/95-06/06/95	0	1	
PETE0088	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-11/19/92	10	38	
PETE0007	No	01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	7	159	
PETE0040	No	01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/13/89	4	157	
PETE0088	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/28/77-11/19/92	14	52	
PETE0088	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	12/28/77-08/13/80	2	8	
PETE0004	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/25/90-04/28/93	2	8	
PETE0018	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/90-04/19/93	2	11	
PETE0040	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/14/91-04/28/93	2	7	
PETE0080	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/90-04/19/93	2	11	
PETE0088	No	01147	SELENIUM, TOTAL (UG/L AS SE)	12/28/77-07/08/82	4	12	
PETE0010	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/23/92-06/23/92	0	1	
PETE0026	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/25/92-06/25/92	0	1	
PETE0085	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/05/95-07/05/95	0	1	
PETE0109	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/06/95-06/06/95	0	1	
PETE0004	No	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	06/25/92-06/25/92	0	3	
PETE0040	No	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	07/26/91-07/26/91	0	3	
PETE0085	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/05/95-07/05/95	0	1	
PETE0109	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/06/95-06/06/95	0	1	
PETE0088	No	01305	DETERGENT SUDS (SEVERITY)	01/14/93-01/14/93	0	1	
PETE0088	No	01325	ALGAE, FLOATING MATS (SEVERITY)	10/21/92-10/21/92	0	1	
PETE0088	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	12/09/92-03/04/93	0	2	
PETE0088	No	01345	DEBRIS, FLOATING (SEVERITY)	10/21/92-02/19/94	1	9	
PETE0088	No	01350	TURBIDITY (SEVERITY)	01/20/87-04/02/94	7	50	
PETE0004	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/24/90-07/24/90	0	1	
PETE0018	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	01/17/90-11/08/94	4	9	
PETE0036	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/20/94-07/20/94	0	1	
PETE0043	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/15/94-03/10/95	0	2	
PETE0047	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/15/94-12/15/94	0	1	
PETE0062	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/15/94-12/15/94	0	1	
PETE0080	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	01/17/90-08/13/96	6	61	
PETE0084	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/13/94-10/11/94	0	2	

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Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0085	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/12/94-07/16/96	2	10	
PETE0086	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/13/94-10/11/94	0	2	
PETE0087	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/13/94-10/11/94	0	2	
PETE0090	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	03/02/92-08/20/96	4	105	
PETE0091	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	10/11/94-10/11/94	0	1	
PETE0092	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	10/11/94-10/11/94	0	1	
PETE0094	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/13/94-07/13/94	0	1	
PETE0098	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	10/11/94-10/11/94	0	1	
PETE0101	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/13/94-10/11/94	0	2	
PETE0103	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/13/94-10/11/94	0	2	
PETE0106	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/15/94-09/15/94	0	1	
PETE0109	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/27/94-07/17/96	1	9	
PETE0111	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/15/94-09/15/94	0	1	
PETE0114	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/14/94-03/28/96	1	8	
PETE0088	No	01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	03/26/92-03/08/93	0	3	
PETE0071	No	05052	INVALID PARAMETER	11/20/79-11/20/79	0	1	
PETE0042	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/26/74-05/26/74	0	1	
PETE0004	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/70-08/10/73	3	7	
PETE0018	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/68-10/26/70	2	15	
PETE0020	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/26/74-05/26/74	0	1	
PETE0027	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-08/26/70	2	12	
PETE0031	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/08/68-08/10/73	4	8	
PETE0035	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-11/04/71	3	18	
PETE0040	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/68-10/26/70	2	12	
PETE0074	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-11/04/71	3	21	
PETE0078	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-11/04/71	3	18	
PETE0080	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/68-06/29/70	2	10	
PETE0093	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/14/78-12/14/78	0	1	
PETE0004	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	0	3	
PETE0007	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-07/08/86	2	53	
PETE0029	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	0	4	
PETE0032	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-09/27/83	0	3	
PETE0040	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/04/85-07/08/86	1	50	
PETE0042	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	0	4	
PETE0055	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	0	3	
PETE0067	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-08/30/83	0	2	
PETE0073	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	0	2	
PETE0095	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-09/27/83	0	3	
PETE0007	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/21/94-06/09/94	0	4	
PETE0040	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/21/94-06/09/94	0	4	
PETE0004	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/07/94-08/20/96	2	25	
PETE0007	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/94-08/20/96	2	27	
PETE0018	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/02/94-08/13/96	2	22	
PETE0027	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/94-08/15/96	2	24	
PETE0035	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	0	9	
PETE0040	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/94-08/20/96	2	26	
PETE0042	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/07/94-08/20/96	2	49	
PETE0052	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/94-08/01/96	2	24	
PETE0074	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	0	9	
PETE0078	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	0	9	
PETE0080	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/02/94-08/13/96	2	23	
PETE0085	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/12/94-07/16/96	2	9	
PETE0109	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/27/94-07/17/96	1	9	
PETE0114	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/14/94-06/17/96	1	8	
PETE0004	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	23	188	A
PETE0007	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-03/04/87	3	75	
PETE0009	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	9	38	
PETE0018	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	23	250	A
PETE0020	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-08/05/74	0	7	
PETE0022	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	8	32	
PETE0027	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/06/71-08/30/74	3	28	
PETE0028	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	8	33	
PETE0029	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/16/83-10/03/83	0	4	
PETE0031	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/06/71-08/30/74	3	27	
PETE0032	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-09/27/83	0	3	
PETE0033	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-08/29/73	0	4	
PETE0034	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/12/73	0	5	
PETE0040	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	23	292	A
PETE0042	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-07/07/94	20	42	
PETE0044	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	7	74	
PETE0045	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/10/74-06/12/79	4	39	
PETE0046	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	5	33	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0048	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	5	35	
PETE0049	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	5	35	
PETE0050	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/31/72-07/08/74	1	10	
PETE0053	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	0	10	
PETE0054	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	0	10	
PETE0055	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/16/83-10/03/83	0	3	
PETE0056	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-07/22/96	0	12	
PETE0057	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/19/73-07/26/74	1	7	
PETE0059	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-07/08/96	0	11	
PETE0060	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	0	10	
PETE0061	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	0	10	
PETE0067	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-08/30/83	0	2	
PETE0069	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/06/73-07/08/74	1	3	
PETE0071	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	6	50	
PETE0073	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	10	59	
PETE0076	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/19/73-07/08/74	1	7	
PETE0079	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/14/87-09/14/87	0	1	
PETE0080	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	23	252	A
PETE0083	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/74-06/12/79	5	48	
PETE0093	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	7	43	
PETE0095	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-09/27/83	0	3	
PETE0099	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/80-11/08/90	10	7	
PETE0102	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-05/05/77	5	35	
PETE0107	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/30/74-06/09/76	2	16	
PETE0109	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/22/71-06/09/76	4	35	
PETE0088	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	16	94	
PETE0088	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	16	95	
PETE0038	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
PETE0038	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
PETE0038	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
PETE0038	No	32104	BROMOFORM,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
PETE0038	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/28/75-04/28/75	0	1	
PETE0004	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	0	8	
PETE0007	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	0	8	
PETE0029	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	0	8	
PETE0032	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	0	8	
PETE0042	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	0	8	
PETE0055	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	0	8	
PETE0067	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	0	7	
PETE0073	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	0	4	
PETE0095	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	0	4	
PETE0035	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/19/71-11/02/71	0	3	
PETE0074	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/19/71-11/02/71	0	3	
PETE0078	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/19/71-11/02/71	0	3	
PETE0099	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/15/80-07/26/90	10	7	
PETE0099	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/26/90-07/26/90	0	1	
PETE0097	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/07/73-09/26/73	0	3	
PETE0004	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	0	8	
PETE0007	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	0	8	
PETE0029	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	0	8	
PETE0032	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	0	8	
PETE0042	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	0	8	
PETE0055	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	0	8	
PETE0067	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	0	7	
PETE0073	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	0	4	
PETE0095	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	0	4	
PETE0099	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/26/90-07/26/90	0	1	
PETE0099	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/26/90-07/26/90	0	1	
PETE0018	No	32240	TANNIN AND LIGNIN (MG/L)	12/05/91-04/19/93	1	13	
PETE0040	No	32240	TANNIN AND LIGNIN (MG/L)	01/12/94-01/12/94	0	1	
PETE0080	No	32240	TANNIN AND LIGNIN (MG/L)	12/05/91-04/19/93	1	14	
PETE0040	No	34204	ACENAPHTHYLENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34209	ACENAPHTHENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34224	ANTHRACENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34251	BENZO-A-PYRENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0004	No	34252	BERYLLIUM WET WGTTISMG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	34252	BERYLLIUM WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34252	BERYLLIUM WET WGTTISMG/KG	06/25/92-06/25/92	0	3	
PETE0040	No	34252	BERYLLIUM WET WGTTISMG/KG	07/26/91-07/26/91	0	3	
PETE0004	No	34258	B-BHC-BETA WET WGTTISMG/KG	08/27/86-06/21/91	4	8	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0010	No	34258	B-BHC-BETA WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34258	B-BHC-BETA WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34258	B-BHC-BETA WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0099	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/26/90-07/26/90	0	1	
PETE0004	No	34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0038	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	03/04/75-03/04/75	0	1	
PETE0040	No	34324	CHRYSENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34340	DIETHYL PHTHALATE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0004	No	34351	ENDOSULFAN SULFATE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	34351	ENDOSULFAN SULFATE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	34351	ENDOSULFAN SULFATE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	34351	ENDOSULFAN SULFATE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0099	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/26/90-07/26/90	0	1	
PETE0004	No	34356	ENDOSULFAN, BETA TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	34356	ENDOSULFAN, BETA TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	34356	ENDOSULFAN, BETA TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	34356	ENDOSULFAN, BETA TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0099	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/26/90-07/26/90	0	1	
PETE0004	No	34360	ENDOSULFAN, BETA WET WGTTISMG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	34360	ENDOSULFAN, BETA WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34360	ENDOSULFAN, BETA WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34360	ENDOSULFAN, BETA WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0099	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/26/90-07/26/90	0	1	
PETE0004	No	34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	34366	ENDRIN ALDEHYDE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	34366	ENDRIN ALDEHYDE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	34366	ENDRIN ALDEHYDE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	34366	ENDRIN ALDEHYDE TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0099	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/26/90-07/26/90	0	1	
PETE0040	No	34380	FLUORANTHENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34385	FLUORENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34446	NAPHTHALENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34465	PHENANTHRENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34473	PYRENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0085	No	34480	THALLIUM DRY WGTBOTMG/KG	07/05/95-07/05/95	0	1	
PETE0109	No	34480	THALLIUM DRY WGTBOTMG/KG	11/20/95-11/20/95	0	1	
PETE0114	No	34480	THALLIUM DRY WGTBOTMG/KG	06/06/95-06/06/95	0	1	
PETE0040	No	34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	07/26/91-07/26/91	0	2	
PETE0004	No	34664	PCB - 1221 WET WGTTISMG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	34664	PCB - 1221 WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34664	PCB - 1221 WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0004	No	34667	PCB - 1232 WET WGTTISMG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	34667	PCB - 1232 WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34667	PCB - 1232 WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0004	No	34669	PCB - 1248 WET WGTTISMG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	34669	PCB - 1248 WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34669	PCB - 1248 WET WGTTISMG/KG	06/25/92-06/25/92	0	2	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0004	No	34670	PCB - 1260 WET WGTTISMG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	34670	PCB - 1260 WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34670	PCB - 1260 WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34670	PCB - 1260 WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	34671	PCB - 1016 TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	34671	PCB - 1016 TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	34671	PCB - 1016 TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	34671	PCB - 1016 TOTWUG/L	03/13/85-03/13/85	0	1	
PETE0099	No	34671	PCB - 1016 TOTWUG/L	07/26/90-07/26/90	0	1	
PETE0004	No	34674	PCB - 1016 WET WGTTISMG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	34674	PCB - 1016 WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34674	PCB - 1016 WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0004	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/24/79-06/21/91	11	20	
PETE0010	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/25/79-07/27/88	8	20	
PETE0004	No	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/24/79-06/21/91	11	20	
PETE0010	No	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/25/79-07/27/88	8	20	
PETE0004	No	34685	ENDRIN WET WGTTISMG/KG	10/24/79-06/21/91	11	20	
PETE0010	No	34685	ENDRIN WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34685	ENDRIN WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34685	ENDRIN WET WGTTISMG/KG	10/25/79-07/27/88	8	20	
PETE0004	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	06/23/92-06/23/92	0	2	
PETE0026	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	34687	HEPTACHLOR WET WGTTISMG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	34687	HEPTACHLOR WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34687	HEPTACHLOR WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34687	HEPTACHLOR WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10/24/79-06/21/91	11	20	
PETE0010	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10/25/79-07/27/88	8	20	
PETE0004	No	34689	PCB - 1242 WET WGTTISMG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	34689	PCB - 1242 WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34689	PCB - 1242 WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0004	No	34690	PCB - 1254 WET WGTTISMG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	34690	PCB - 1254 WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34690	PCB - 1254 WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34690	PCB - 1254 WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	34691	TOXAPHENE WET WGTTISMG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	34691	TOXAPHENE WET WGTTISMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	34691	TOXAPHENE WET WGTTISMG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	34691	TOXAPHENE WET WGTTISMG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	03/13/85-03/13/85	0	1	
PETE0004	No	38451	DICHLORPROP WATER,SUSPUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	38451	DICHLORPROP WATER,SUSPUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	38451	DICHLORPROP WATER,SUSPUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	38451	DICHLORPROP WATER,SUSPUG/L	03/13/85-03/13/85	0	1	
PETE0004	No	38744	CHLORPYRIFOS-METHYL TISWETWGTMG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	38744	CHLORPYRIFOS-METHYL TISWETWGTMG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	38744	CHLORPYRIFOS-METHYL TISWETWGTMG/KG	06/25/92-06/25/92	0	2	
PETE0004	No	38745	2,4-DB WATER, TOTUG/L	03/13/85-03/13/85	0	1	
PETE0018	No	38745	2,4-DB WATER, TOTUG/L	03/13/85-03/13/85	0	1	
PETE0040	No	38745	2,4-DB WATER, TOTUG/L	03/13/85-03/13/85	0	1	
PETE0080	No	38745	2,4-DB WATER, TOTUG/L	03/13/85-03/13/85	0	1	
PETE0004	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/30/80-03/13/85	4	3	
PETE0018	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/17/79-03/13/85	5	3	
PETE0040	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	12/12/79-03/13/85	5	4	
PETE0044	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/17/79-09/30/80	0	2	
PETE0071	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/17/79-10/17/79	0	1	
PETE0080	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0099	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	0	1	
PETE0004	No	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	10/24/79-07/17/84	4	12	
PETE0040	No	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	10/25/79-07/17/84	4	15	
PETE0004	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/21/91-09/23/91	0	4	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0010	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/23/92-06/23/92	0	1	
PETE0018	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	09/17/91-09/17/91	0	1	
PETE0026	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/25/92-06/25/92	0	1	
PETE0040	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/24/91-09/23/91	0	2	
PETE0085	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/05/95-07/05/95	0	1	
PETE0093	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/30/91-10/30/91	0	1	
PETE0099	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/26/90-07/26/90	0	1	
PETE0109	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	11/20/95-11/20/95	0	1	
PETE0114	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/06/95-06/06/95	0	1	
PETE0004	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/24/79-07/17/84	4	12	
PETE0040	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/25/79-07/17/84	4	15	
PETE0004	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/24/79-07/17/84	4	12	
PETE0040	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/25/79-07/17/84	4	15	
PETE0004	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/24/79-06/21/91	11	20	
PETE0010	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	06/23/92-06/23/92	0	3	
PETE0026	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	06/25/92-06/25/92	0	2	
PETE0040	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/25/79-07/27/88	8	20	
PETE0004	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/24/79-06/21/91	11	20	
PETE0010	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	06/23/92-06/23/92	0	3	
PETE0026	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	06/25/92-06/25/92	0	2	
PETE0040	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/25/79-07/27/88	8	20	
PETE0004	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/24/79-06/21/91	11	20	
PETE0010	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/23/92-06/23/92	0	3	
PETE0026	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/25/92-06/25/92	0	2	
PETE0040	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/25/79-07/27/88	8	20	
PETE0088	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/24/87-04/29/94	6	33	
PETE0040	No	39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	07/26/91-07/26/91	0	2	
PETE0010	No	39105	PERCENT FAT HEXANE EXTRACTION	06/23/92-06/23/92	0	3	
PETE0026	No	39105	PERCENT FAT HEXANE EXTRACTION	06/25/92-06/25/92	0	2	
PETE0040	No	39113	DIBUTYL PHTHALATES IN FISH,ANIMAL WET WGT UG/KG	07/26/91-07/26/91	0	2	
PETE0004	No	39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/24/79-06/21/91	11	20	
PETE0010	No	39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	06/23/92-06/23/92	0	3	
PETE0026	No	39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	06/25/92-06/25/92	0	2	
PETE0040	No	39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/25/79-07/27/88	8	20	
PETE0004	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	4	3	
PETE0018	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	5	3	
PETE0040	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	5	4	
PETE0044	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0080	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	10/24/79-07/17/84	4	12	
PETE0040	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	10/25/79-07/17/84	4	15	
PETE0004	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39309	O P DDT IN AQUATIC ORGANISMS WET WEIGHT BASIS(UG/G	10/24/79-07/17/84	4	12	
PETE0040	No	39309	O P DDT IN AQUATIC ORGANISMS WET WEIGHT BASIS(UG/G	10/25/79-07/17/84	4	15	
PETE0004	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	4	3	
PETE0018	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	5	3	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0040	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	5	4	
PETE0044	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0080	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	10/24/79-07/17/84	4	12	
PETE0040	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	10/25/79-07/17/84	4	15	
PETE0004	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	4	3	
PETE0018	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	5	3	
PETE0040	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	5	4	
PETE0044	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0080	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/24/79-07/17/84	4	12	
PETE0040	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/25/79-07/17/84	4	15	
PETE0004	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/24/79-07/17/84	4	12	
PETE0040	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/25/79-07/17/84	4	15	
PETE0004	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/24/79-07/17/84	4	12	
PETE0040	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/25/79-07/17/84	4	15	
PETE0004	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	4	3	
PETE0009	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	0	2	
PETE0018	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	5	3	
PETE0022	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	0	2	
PETE0028	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	0	2	
PETE0040	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	5	4	
PETE0042	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	0	2	
PETE0044	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0080	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/82-09/23/91	9	4	
PETE0018	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/82-09/17/91	9	2	
PETE0040	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/82-09/23/91	9	2	
PETE0080	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/82-05/04/82	0	1	
PETE0085	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	0	1	
PETE0093	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	0	1	
PETE0109	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	0	1	
PETE0114	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	0	1	
PETE0004	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	0	1	
PETE0018	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	0	1	
PETE0040	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	0	1	
PETE0080	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	0	1	
PETE0099	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/26/90-07/26/90	0	1	
PETE0004	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	0	1	
PETE0018	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	0	1	
PETE0040	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	0	1	
PETE0080	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	0	1	
PETE0099	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/26/90-07/26/90	0	1	
PETE0004	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/13/85-03/13/85	0	1	
PETE0018	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/13/85-03/13/85	0	1	
PETE0040	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/13/85-03/13/85	0	1	
PETE0080	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/13/85-03/13/85	0	1	
PETE0099	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/26/90-07/26/90	0	1	
PETE0004	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/30/80-05/20/81	0	2	
PETE0018	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/17/79-05/20/81	1	2	
PETE0040	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/12/79-05/20/81	1	3	
PETE0044	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/17/79-09/30/80	0	2	
PETE0071	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/17/79-10/17/79	0	1	
PETE0004	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/21/91-09/23/91	0	4	
PETE0010	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/23/92-06/23/92	0	1	
PETE0018	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	09/17/91-09/17/91	0	1	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0026	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/25/92-06/25/92	0	1	
PETE0040	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/24/91-09/23/91	0	2	
PETE0085	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/05/95-07/05/95	0	1	
PETE0093	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/30/91-10/30/91	0	1	
PETE0099	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/26/90-07/26/90	0	1	
PETE0109	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/20/95-11/20/95	0	1	
PETE0114	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/06/95-06/06/95	0	1	
PETE0004	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	0	4	
PETE0010	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	0	1	
PETE0018	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	0	1	
PETE0026	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	0	1	
PETE0040	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	0	2	
PETE0085	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	0	1	
PETE0093	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	0	1	
PETE0099	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	0	1	
PETE0109	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	0	1	
PETE0114	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	0	1	
PETE0027	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/13/71-06/13/71	0	1	
PETE0004	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	0	4	
PETE0010	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	0	1	
PETE0018	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	0	1	
PETE0026	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	0	1	
PETE0040	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	0	2	
PETE0085	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	0	1	
PETE0093	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	0	1	
PETE0099	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	0	1	
PETE0109	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	0	1	
PETE0114	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	0	1	
PETE0030	No	39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/78-04/07/79	0	7	
PETE0027	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/13/71-07/05/71	0	2	
PETE0004	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	0	4	
PETE0010	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	0	1	
PETE0018	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	0	1	
PETE0026	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	0	1	
PETE0040	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	0	2	
PETE0085	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	0	1	
PETE0093	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	0	1	
PETE0099	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	0	1	
PETE0109	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	0	1	
PETE0114	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	0	1	
PETE0030	No	39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/78-04/07/79	0	4	
PETE0004	No	39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	07/17/84-07/17/84	0	3	
PETE0040	No	39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	07/17/84-07/17/84	0	3	
PETE0004	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	4	3	
PETE0018	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	5	3	
PETE0040	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/13/71-03/13/85	13	5	
PETE0044	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0080	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/21/91-09/23/91	0	4	
PETE0010	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/23/92-06/23/92	0	1	
PETE0018	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/17/91-09/17/91	0	1	
PETE0026	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/25/92-06/25/92	0	1	
PETE0040	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/24/91-09/23/91	0	2	
PETE0085	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/05/95-07/05/95	0	1	
PETE0093	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/30/91-10/30/91	0	1	
PETE0099	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/26/90-07/26/90	0	1	
PETE0109	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/20/95-11/20/95	0	1	
PETE0114	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/06/95-06/06/95	0	1	
PETE0004	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	4	3	
PETE0018	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	5	3	
PETE0040	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	5	4	
PETE0044	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0080	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	0	4	
PETE0010	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	0	1	
PETE0018	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	0	1	
PETE0026	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	0	1	
PETE0040	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	0	2	

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Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0085	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	0	1	
PETE0093	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	0	1	
PETE0099	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	0	1	
PETE0109	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	0	1	
PETE0114	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	0	1	
PETE0004	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0018	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0040	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0080	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/21/91-09/23/91	0	4	
PETE0010	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/23/92-06/23/92	0	1	
PETE0018	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/17/91-09/17/91	0	1	
PETE0026	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/25/92-06/25/92	0	1	
PETE0040	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/24/91-09/23/91	0	2	
PETE0085	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/05/95-07/05/95	0	1	
PETE0093	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/30/91-10/30/91	0	1	
PETE0099	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/26/90-07/26/90	0	1	
PETE0109	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/20/95-11/20/95	0	1	
PETE0114	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/06/95-06/06/95	0	1	
PETE0004	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/24/79-06/21/91	11	20	
PETE0010	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/23/92-06/23/92	0	3	
PETE0026	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/25/92-06/25/92	0	2	
PETE0040	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/25/79-07/27/88	8	20	
PETE0004	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0018	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0040	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0080	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	0	4	
PETE0010	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	0	1	
PETE0018	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	0	1	
PETE0026	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	0	1	
PETE0040	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	0	2	
PETE0085	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	0	1	
PETE0093	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	0	1	
PETE0099	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	0	1	
PETE0109	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	0	1	
PETE0114	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	0	1	
PETE0004	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0018	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0040	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0080	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0099	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	0	1	
PETE0004	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0018	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0040	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0080	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0099	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	0	1	
PETE0004	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0018	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0040	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0080	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0099	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	0	1	
PETE0004	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0018	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0040	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0080	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0099	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	0	1	
PETE0004	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0018	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0040	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0080	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0099	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	0	1	
PETE0004	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0018	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0040	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	

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Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0080	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	0	1	
PETE0099	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	0	1	
PETE0004	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/24/79-06/21/91	11	18	
PETE0010	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/25/79-08/27/86	6	18	
PETE0004	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0018	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/30/80-09/30/80	0	1	
PETE0030	No	39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/78-04/07/79	0	15	
PETE0004	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/21/91-09/23/91	0	4	
PETE0010	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/23/92-06/23/92	0	1	
PETE0018	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	09/17/91-09/17/91	0	1	
PETE0026	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/25/92-06/25/92	0	1	
PETE0040	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/24/91-09/23/91	0	2	
PETE0085	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/05/95-07/05/95	0	1	
PETE0093	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	10/30/91-10/30/91	0	1	
PETE0099	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/26/90-07/26/90	0	1	
PETE0109	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	11/20/95-11/20/95	0	1	
PETE0114	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/06/95-06/06/95	0	1	
PETE0009	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	0	2	
PETE0022	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	0	2	
PETE0028	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	0	2	
PETE0042	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	0	2	
PETE0004	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/04/82-05/04/82	0	1	
PETE0018	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/04/82-05/04/82	0	1	
PETE0040	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/04/82-05/04/82	0	1	
PETE0080	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/04/82-05/04/82	0	1	
PETE0003	No	39632	ATRAZINE DISSOLVED IN WATER PPB	04/25/79-12/05/79	0	4	
PETE0004	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	0	2	
PETE0018	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	1	2	
PETE0040	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	1	3	
PETE0044	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	0	2	
PETE0071	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	0	1	
PETE0004	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0018	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0040	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0080	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0004	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0018	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0040	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0080	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0004	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0018	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0040	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0080	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	0	1	
PETE0004	No	39781	LINDANE AQUATIC ORGANISMS WT WGT BASIS(UG/G)	10/24/79-07/17/84	4	12	
PETE0040	No	39781	LINDANE AQUATIC ORGANISMS WT WGT BASIS(UG/G)	10/25/79-07/17/84	4	15	
PETE0040	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/13/71-06/13/71	0	1	
PETE0004	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/24/79-06/21/91	11	20	
PETE0010	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/25/79-07/27/88	8	20	
PETE0004	No	45651	PCB - 1262, TISSUE, WET WEIGHT MG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	45651	PCB - 1262, TISSUE, WET WEIGHT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	45651	PCB - 1262, TISSUE, WET WEIGHT MG/KG	06/25/92-06/25/92	0	2	
PETE0018	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	04/24/91-04/19/93	1	8	
PETE0080	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	04/24/91-04/19/93	1	8	
PETE0007	No	49567	INVALID PARAMETER	02/27/95-08/20/96	1	35	
PETE0040	No	49567	INVALID PARAMETER	02/27/95-08/20/96	1	36	
PETE0090	No	49567	INVALID PARAMETER	03/23/95-08/20/96	1	11	
PETE0007	No	49569	INVALID PARAMETER	02/27/95-07/23/96	1	34	
PETE0040	No	49569	INVALID PARAMETER	02/27/95-07/23/96	1	33	
PETE0090	No	49569	INVALID PARAMETER	03/23/95-06/18/96	1	10	
PETE0007	No	49570	INVALID PARAMETER	02/27/95-07/23/96	1	34	
PETE0040	No	49570	INVALID PARAMETER	02/27/95-07/23/96	1	33	
PETE0090	No	49570	INVALID PARAMETER	03/23/95-06/18/96	1	10	
PETE0007	No	49571	INVALID PARAMETER	02/27/95-08/20/96	1	36	
PETE0040	No	49571	INVALID PARAMETER	02/27/95-08/20/96	1	36	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0090	No	49571	INVALID PARAMETER	03/23/95-08/20/96	1	11	
PETE0007	No	49572	INVALID PARAMETER	02/27/95-08/20/96	1	36	
PETE0040	No	49572	INVALID PARAMETER	02/27/95-08/20/96	1	36	
PETE0090	No	49572	INVALID PARAMETER	03/23/95-08/20/96	1	11	
PETE0004	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/16/83-10/03/83	0	3	
PETE0007	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-09/27/83	0	3	
PETE0022	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/01/75-05/01/75	0	1	
PETE0028	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/01/75-05/01/75	0	1	
PETE0029	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/16/83-10/03/83	0	4	
PETE0032	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-09/27/83	0	3	
PETE0042	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/01/75-10/03/83	8	5	
PETE0055	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/16/83-10/03/83	0	3	
PETE0067	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-08/30/83	0	2	
PETE0073	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/16/83-10/03/83	0	2	
PETE0095	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-09/27/83	0	3	
PETE0088	No	60050	ALGAE, TOTAL (CELLS/ML)	05/18/78-09/09/80	2	13	
PETE0088	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/28/77-11/19/92	14	92	
PETE0100	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/01/29-04/28/69	40	51	
PETE0105	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/46-05/05/69	22	7	
PETE0088	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/28/77-11/05/85	7	36	
PETE0100	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/28/69-04/28/69	0	1	
PETE0105	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/05/69-05/05/69	0	1	
PETE0088	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	12/28/77-11/05/81	3	29	
PETE0105	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/05/69-05/05/69	0	1	
PETE0088	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/28/77-01/12/83	5	36	
PETE0100	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/28/69-04/28/69	0	1	
PETE0105	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/05/69-05/05/69	0	1	
PETE0088	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	15	131	
PETE0004	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/22/70-09/30/80	10	33	
PETE0009	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	06/07/74-04/24/79	4	26	
PETE0018	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	9	92	
PETE0020	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/26/74-07/26/74	0	6	
PETE0022	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/01/75-04/24/79	3	21	
PETE0027	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/21/70-08/30/74	4	33	
PETE0028	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/01/75-04/24/79	3	21	
PETE0031	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/26/70-08/30/74	4	26	
PETE0033	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-08/29/73	0	4	
PETE0034	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-10/12/73	0	5	
PETE0040	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	9	49	
PETE0042	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/26/74-04/24/79	4	26	
PETE0044	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	6	58	
PETE0045	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/10/74-06/12/79	4	41	
PETE0046	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/08/72-03/24/78	5	30	
PETE0048	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/08/72-03/24/78	5	32	
PETE0049	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/08/72-03/24/78	5	31	
PETE0050	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/31/72-07/08/74	1	10	
PETE0057	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/19/73-07/26/74	1	7	
PETE0069	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	06/06/73-07/08/74	1	3	
PETE0071	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/29/75-06/12/79	4	38	
PETE0073	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	6	58	
PETE0076	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/19/73-07/08/74	1	7	
PETE0080	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/24/70-06/12/79	9	66	
PETE0083	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/24/74-06/12/79	5	49	
PETE0093	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/06/71-06/04/79	7	35	
PETE0102	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/06/71-06/08/77	5	27	
PETE0107	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/30/74-06/09/76	2	14	
PETE0109	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/07/71-06/09/76	4	27	
PETE0004	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/70-08/20/96	26	56	S
PETE0009	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/07/74-04/24/79	4	26	
PETE0018	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	26	148	S
PETE0020	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-07/26/74	0	6	
PETE0022	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/01/75-04/24/79	3	21	
PETE0027	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/21/70-08/30/74	4	33	
PETE0028	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/01/75-04/24/79	3	21	
PETE0031	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/26/70-08/30/74	4	26	
PETE0033	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-08/29/73	0	4	
PETE0034	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-10/12/73	0	5	
PETE0040	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-06/12/79	9	49	
PETE0042	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-08/20/96	22	52	
PETE0044	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	6	59	
PETE0045	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/10/74-06/12/79	4	41	
PETE0046	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/72-03/24/78	5	30	

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Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0048	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/72-03/24/78	5	32	
PETE0049	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/72-03/24/78	5	31	
PETE0050	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/31/72-07/08/74	1	10	
PETE0057	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/19/73-07/26/74	1	7	
PETE0069	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/06/73-07/08/74	1	3	
PETE0071	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/29/75-06/12/79	4	38	
PETE0073	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	6	57	
PETE0076	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/19/73-07/08/74	1	7	
PETE0080	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	26	125	S
PETE0083	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/74-06/12/79	5	49	
PETE0085	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/12/94-07/16/96	2	9	
PETE0088	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/20/90-11/19/92	1	13	
PETE0093	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/71-06/04/79	7	35	
PETE0102	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/71-06/08/77	5	27	
PETE0107	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/30/74-06/09/76	2	14	
PETE0109	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/71-07/17/96	24	35	
PETE0114	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/14/94-06/17/96	1	8	
PETE0088	No	70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	08/13/80-08/13/80	0	1	
PETE0088	No	70953	CHLOROPHYLL-A,PHYTOPLANKTON UG/L,CHROMO-FLUORO	11/07/79-11/07/79	0	1	
PETE0088	No	70954	CHLOROPHYLL-B,PHYTOPLANKTON UG/L,CHROMO-FLUORO	11/07/79-11/07/79	0	1	
PETE0088	No	70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	07/01/80-08/13/80	0	2	
PETE0088	No	70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	07/01/80-08/13/80	0	2	
PETE0100	No	71835	OXYGEN CONSUMED, FILTERED MG/L	04/10/29-03/21/30	0	35	
PETE0100	No	71840	OXYGEN CONSUMED, UNFILTERED MG/L	05/01/29-03/21/30	0	33	
PETE0088	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/09/79-01/13/81	1	14	
PETE0088	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/10/79-03/02/83	3	19	
PETE0100	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/01/29-04/28/69	40	56	
PETE0105	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/11/46-05/05/69	22	7	
PETE0100	No	71885	IRON (UG/L AS FE)	04/01/29-01/11/56	26	55	
PETE0105	No	71885	IRON (UG/L AS FE)	10/11/46-01/17/56	9	6	
PETE0088	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/09/79-11/05/85	6	32	
PETE0088	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/25/78-01/13/81	2	26	
PETE0088	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/28/77-08/26/91	13	46	
PETE0088	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	12/28/77-05/12/82	4	9	
PETE0004	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/28/71-04/28/93	22	15	
PETE0009	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-10/28/82	7	7	
PETE0018	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/19/93	22	31	
PETE0022	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-10/28/82	7	7	
PETE0027	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/13/71-05/03/73	1	7	
PETE0028	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-10/28/82	7	7	
PETE0031	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/16/72-10/12/72	0	3	
PETE0033	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/03/73	0	1	
PETE0034	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/03/73	0	1	
PETE0040	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/28/93	22	24	
PETE0042	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-10/28/82	7	7	
PETE0044	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/15/78	5	9	
PETE0045	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/17/75-05/15/78	3	7	
PETE0046	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-05/27/76	4	8	
PETE0048	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-05/27/76	4	8	
PETE0049	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-05/27/76	4	8	
PETE0050	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/31/72-05/03/73	0	4	
PETE0069	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/03/73	0	1	
PETE0071	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/17/75-05/25/78	3	8	
PETE0073	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/25/78	5	9	
PETE0076	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/14/73-05/14/73	0	1	
PETE0080	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/28/71-04/19/93	21	29	
PETE0083	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/17/75-11/16/77	2	6	
PETE0088	No	71900	MERCURY, TOTAL (UG/L AS HG)	12/28/77-07/08/82	4	12	
PETE0093	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/06/71-05/13/76	4	7	
PETE0102	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/06/71-05/13/76	4	7	
PETE0107	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/06/75-05/13/76	0	2	
PETE0109	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/06/71-05/13/76	4	8	
PETE0004	No	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	10/24/79-07/17/84	4	12	
PETE0039	No	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	10/25/79-07/24/80	0	6	
PETE0040	No	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	10/25/79-07/17/84	4	15	
PETE0004	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/80-09/23/91	10	5	
PETE0005	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0006	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0010	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/23/92-06/23/92	0	1	
PETE0011	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0012	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0014	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0016	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0017	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0018	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/80-09/17/91	10	3	
PETE0021	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0023	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0026	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/25/92-06/25/92	0	1	
PETE0037	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	0	1	
PETE0040	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/12/79-09/23/91	11	5	
PETE0044	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/80-09/30/80	0	1	
PETE0080	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/17/91-09/17/91	0	1	
PETE0085	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/05/95-07/05/95	0	1	
PETE0093	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/30/91-10/30/91	0	1	
PETE0099	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/01/80-07/01/80	0	1	
PETE0109	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/20/95-11/20/95	0	1	
PETE0114	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/06/95-06/06/95	0	1	
PETE0004	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/24/79-06/21/91	11	20	
PETE0010	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/23/92-06/23/92	0	3	
PETE0026	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/25/92-06/25/92	0	3	
PETE0039	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/25/79-07/24/80	0	6	
PETE0040	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/25/79-07/26/91	11	23	
PETE0004	No	71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	10/24/79-07/17/84	4	12	
PETE0040	No	71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	10/25/79-07/17/84	4	15	
PETE0004	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/22/82-06/21/91	8	14	
PETE0010	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/23/92-06/23/92	0	3	
PETE0026	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/25/92-06/25/92	0	3	
PETE0039	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/25/79-07/24/80	0	6	
PETE0040	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	8	14	
PETE0004	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/22/82-06/21/91	8	14	
PETE0010	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/23/92-06/23/92	0	3	
PETE0026	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/25/92-06/25/92	0	3	
PETE0030	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	02/13/74-02/13/74	0	2	
PETE0039	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/25/79-07/24/80	0	6	
PETE0040	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	8	14	
PETE0004	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/27/86-06/21/91	4	8	
PETE0010	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/23/92-06/23/92	0	3	
PETE0026	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/25/92-06/25/92	0	3	
PETE0040	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/27/86-07/26/91	4	8	
PETE0004	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/22/82-06/21/91	8	14	
PETE0010	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	06/23/92-06/23/92	0	3	
PETE0026	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	06/25/92-06/25/92	0	3	
PETE0039	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/25/79-07/24/80	0	6	
PETE0040	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	8	14	
PETE0004	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/22/82-06/21/91	8	14	
PETE0010	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/23/92-06/23/92	0	3	
PETE0026	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/25/92-06/25/92	0	3	
PETE0039	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/25/79-07/24/80	0	6	
PETE0040	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/82-07/26/91	8	14	
PETE0004	No	71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	10/24/79-07/17/84	4	12	
PETE0040	No	71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	10/25/79-07/17/84	4	15	
PETE0004	No	71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	10/24/79-07/17/84	4	12	
PETE0040	No	71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	10/25/79-07/17/84	4	15	
PETE0004	No	71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	10/24/79-07/17/84	4	12	
PETE0040	No	71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	10/25/79-07/17/84	4	15	
PETE0097	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	04/07/73-09/26/73	0	3	
PETE0004	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	09/23/91-09/23/91	0	3	
PETE0010	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/23/92-06/23/92	0	1	
PETE0018	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	09/17/91-09/17/91	0	1	
PETE0026	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/25/92-06/25/92	0	1	
PETE0040	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	09/23/91-09/23/91	0	1	
PETE0085	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/05/95-07/05/95	0	1	
PETE0093	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	10/30/91-10/30/91	0	1	
PETE0099	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/26/90-07/26/90	0	1	
PETE0109	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	11/20/95-11/20/95	0	1	
PETE0114	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/06/95-06/06/95	0	1	
PETE0004	No	77825	ALACHLOR WHOLE WATER,UG/L	03/13/85-03/13/85	0	1	
PETE0018	No	77825	ALACHLOR WHOLE WATER,UG/L	03/13/85-03/13/85	0	1	
PETE0040	No	77825	ALACHLOR WHOLE WATER,UG/L	03/13/85-03/13/85	0	1	
PETE0080	No	77825	ALACHLOR WHOLE WATER,UG/L	03/13/85-03/13/85	0	1	
PETE0040	No	79038	BUTYLBENZYL PHTHALATE TISWETWTMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	79040	DIBENZ(A,H)ANTHRACENE TISWETWTMG/KG	07/26/91-07/26/91	0	1	
PETE0040	No	79152	2,4-DIMETHYLPHENOL TISDRYWTMG/KG	07/26/91-07/26/91	0	2	
PETE0040	No	79156	4,6-DINITRO-2-METHYLPHENOL TISDRYWTMG/KG	07/26/91-07/26/91	0	2	

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

Station/Parameter Period of Record Tabulation
From 04/01/29 To 08/20/96

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PETE0004	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	09/23/91-09/23/91	0	3	
PETE0010	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/23/92-06/23/92	0	1	
PETE0018	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	09/17/91-09/17/91	0	1	
PETE0026	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/25/92-06/25/92	0	1	
PETE0040	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	09/23/91-09/23/91	0	1	
PETE0085	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/05/95-07/05/95	0	1	
PETE0093	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	10/30/91-10/30/91	0	1	
PETE0099	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/26/90-07/26/90	0	1	
PETE0109	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	11/20/95-11/20/95	0	1	
PETE0114	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/06/95-06/06/95	0	1	
PETE0088	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	15	132	
PETE0088	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/28/77-11/05/85	7	28	
PETE0038	No	81280	NONPURGEABLE ORGANIC CARBON MG/L	04/28/75-04/28/75	0	1	
PETE0004	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/24/79-06/21/91	11	20	
PETE0010	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/23/92-06/23/92	0	3	
PETE0026	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/25/92-06/25/92	0	3	
PETE0030	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	02/13/74-04/07/79	5	19	
PETE0039	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/25/79-07/24/80	0	6	
PETE0040	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/25/79-07/26/91	11	23	
PETE0004	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/24/79-06/21/91	11	20	
PETE0010	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	06/23/92-06/23/92	0	3	
PETE0026	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	06/25/92-06/25/92	0	2	
PETE0040	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/25/79-07/27/88	8	20	
PETE0004	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	06/21/91-06/21/91	0	3	
PETE0010	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	06/23/92-06/23/92	0	3	
PETE0026	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	06/25/92-06/25/92	0	2	
PETE0004	No	81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	08/27/86-06/21/91	4	8	
PETE0010	No	81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	06/23/92-06/23/92	0	3	
PETE0026	No	81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	06/25/92-06/25/92	0	3	
PETE0040	No	81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	08/27/86-07/26/91	4	8	
PETE0004	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	08/27/86-07/27/88	1	5	
PETE0004	No	81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	08/27/86-06/21/91	4	8	
PETE0010	No	81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	06/25/92-06/25/92	0	2	
PETE0040	No	81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	08/27/86-07/27/88	1	5	
PETE0085	No	82007	PERCENT SAND IN SEDIMENT ON A DRY WEIGHT BASIS	07/05/95-07/05/95	0	1	
PETE0109	No	82007	PERCENT SAND IN SEDIMENT ON A DRY WEIGHT BASIS	11/20/95-11/20/95	0	1	
PETE0085	No	82008	SEDIMENT PRCTL.SIZE CLASS .0039-.0625 SILT %DRY WT	07/05/95-07/05/95	0	1	
PETE0109	No	82008	SEDIMENT PRCTL.SIZE CLASS .0039-.0625 SILT %DRY WT	11/20/95-11/20/95	0	1	
PETE0085	No	82009	SEDIMENT PRCTL.SIZE CLASS <.0039 CLAY %DRY WT	07/05/95-07/05/95	0	1	
PETE0109	No	82009	SEDIMENT PRCTL.SIZE CLASS <.0039 CLAY %DRY WT	11/20/95-11/20/95	0	1	
PETE0004	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	06/21/91-06/21/91	0	3	
PETE0010	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	06/23/92-06/23/92	0	3	
PETE0026	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	06/25/92-06/25/92	0	2	
PETE0018	No	82032	CALCIUM - TOTAL UG/L (AS CA)	07/15/92-01/21/93	0	2	
PETE0080	No	82032	CALCIUM - TOTAL UG/L (AS CA)	07/15/92-01/21/93	0	2	
PETE0018	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	08/15/91-06/01/94	2	31	
PETE0080	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	08/15/91-06/01/94	2	31	
PETE0088	No	82398	SAMPLING METHOD (CODES)	03/22/78-06/24/93	15	31	
PETE0004	No	84007	ANATOMY ALPHA CODE	10/24/79-06/21/91	11	20	
PETE0010	No	84007	ANATOMY ALPHA CODE	06/23/92-06/23/92	0	3	
PETE0026	No	84007	ANATOMY ALPHA CODE	06/25/92-06/25/92	0	3	
PETE0030	No	84007	ANATOMY ALPHA CODE	02/13/74-04/07/79	5	19	
PETE0039	No	84007	ANATOMY ALPHA CODE	10/25/79-07/24/80	0	6	
PETE0040	No	84007	ANATOMY ALPHA CODE	10/25/79-07/26/91	11	23	
PETE0030	No	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	02/13/74-04/07/79	5	19	
PETE0039	No	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	10/25/79-07/24/80	0	6	
PETE0040	No	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	10/25/79-10/25/79	0	2	

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

Station-By-Station Results

Station Inventory for Station: PETE0001

NPS Station ID: PETE0001
LAT/LON: 37.316670/ -77.216670
Agency: CHESBAY
Date Created: 01/29/83
Location: VIMS STATION J63 - JAMES RIVER
FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQA9070
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 4.650
Distance from RF1: 1.60
On/Off RF1: ON
RF3 Index: 02080206135701.91
RF3 Mile Point: 3.42
Distance from RF3: 0.18
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0001

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: PETE0002

NPS Station ID: PETE0002
LAT/LON: 37.317226/ -77.218060
Agency: CHESBAY
Date Created: 01/29/83
Location: VIMS STATION D53 - JAMES RIVER
FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQA0666
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 4.800
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 020802060004103.91
RF3 Mile Point: 5.95
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/64-08/18/71	313	28.1	28.193	32.	25.5	1.152	1.074	27.	27.5	29.	29.5
00300	OXYGEN, DISSOLVED MG/L	06/24/71-08/18/71	307	4.5	5.538	14.1	2.2	4.818	2.195	3.6	4.	7.	8.7
00480	SALINITY - PARTS PER THOUSAND	08/18/71-08/18/71	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0002

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	307	91	0.30	109	0	0.00				198	91	0.46			

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

Station Inventory for Station: PETE0003

NPS Station ID: PETE0003
LAT/LON: 37.315281/ -77.218616
Agency: CHESBAY
Date Created: 09/27/80
Location: JAMES, S SHORE, HOPEWELL
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): XQA8931
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 3
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 4.650
Distance from RF1: 22.70
On/Off RF1: ON
RF3 Index: 02080206047400.00
RF3 Mile Point: 1.10
Distance from RF3: 0.04
On/Off RF3:
Description:
01.0 790425

Parameter Inventory for Station: PETE0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39632 ATRAZINE DISSOLVED IN WATER PPB	04/25/79-12/05/79	4	0.195	0.235	0.5	0.05	0.036	0.189	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0003

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.

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

Station Inventory for Station: PETE0004

NPS Station ID: PETE0004 LAT/LON: 37.317060/ -77.223615 Agency: 21VASWCB Date Created: / /
Location: RT. 156 BRIDGE BELOW HOPEWELL FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS074.44 /VA2-02-X0126/VA2-4X0126
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206043 RF1 Mile Point: 4.800 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02080206016100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.28 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835108 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02 TOPO MAP #: 0142 TOPO MAP NAME: WESTOVER, VA

Parameter Inventory for Station: PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	220	19.75	18.529	32.2	0.5	76.438	8.743	6.	10.725	27.	28.8
00023	SAMPLE WEIGHT IN POUNDS	10/24/79-06/21/91	20	0.94	28.856	307.	0.05	6700.895	81.859	0.054	0.22	1.525	201.6
00024	SAMPLE LENGTH IN INCHES	10/24/79-06/21/91	20	12.4	203.646	1770.	4.85	251671.592	501.669	4.986	7.163	14.613	1327.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	55	20.	25.544	126.	2.8	480.015	21.909	10.74	15.1	26.	49.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/02/93-07/23/96	25	26.	31.664	150.	16.7	652.905	25.552	18.8	22.	29.5	40.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/12/83	7 ##	0.075	0.076	0.085	0.075	0.	0.004	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/25/91-06/22/93	19	50.	49.158	79.	7.	277.363	16.654	30.	38.	58.	74.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	131	243.	265.115	830.	2.	16057.287	126.717	137.2	178.	326.	429.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	66	181.	193.364	499.	82.	5691.343	75.441	113.2	148.5	221.25	289.4
00096	SALINITY AT 25 DEGREES C (MG/ML)	09/08/94-08/20/96	18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/11/91-08/20/96	34	9.9	10.021	13.3	7.3	2.635	1.623	8.05	8.575	11.6	12.2
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	184	9.1	9.045	15.2	3.6	4.764	2.183	6.15	7.425	10.6	11.75
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	183	3.2	4.517	78.	0.5	37.662	6.137	1.08	2.	5.4	8.
00340	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	179	19.	19.975	67.	0.5	90.276	9.501	11.	13.	24.	32.
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	218	7.435	7.535	9.12	5.9	0.408	0.639	6.8	7.108	7.97	8.5
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	218	7.434	7.13	9.12	5.9	0.573	0.757	6.8	7.107	7.97	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	218	0.037	0.074	1.259	0.001	0.019	0.139	0.003	0.011	0.078	0.158
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	80	7.3	7.374	8.5	6.7	0.128	0.358	6.9	7.125	7.6	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	80	7.3	7.244	8.5	6.7	0.145	0.381	6.9	7.125	7.6	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	80	0.05	0.057	0.2	0.003	0.002	0.044	0.016	0.025	0.075	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	84	46.	45.464	69.	22.	103.384	10.168	32.	39.	52.	60.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	09/27/72-09/27/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	103	141.	149.175	274.	43.	1866.989	43.209	106.	115.	180.	214.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	102	30.	34.255	89.	0.	283.895	16.849	17.	23.	41.25	62.4
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	103	105.	115.417	215.	13.	1430.716	37.825	80.	89.	140.	168.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/80-10/03/83	5	165.	192.	279.	126.	4908.5	70.061	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	208	28.5	32.856	232.	2.	552.395	23.503	14.	21.25	35.	54.1
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	207	7.	8.159	54.	0.5	35.938	5.995	2.8	5.	10.	14.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	204	21.	24.926	192.	3.	385.142	19.625	10.	15.	28.	40.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	212	0.285	0.838	7.5	0.01	1.598	1.264	0.05	0.12	0.9	2.7
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	213	0.05	0.094	1.2	0.005	0.017	0.131	0.01	0.02	0.11	0.22
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	211	0.42	0.517	1.7	0.025	0.094	0.306	0.222	0.31	0.67	0.956

** - Less than 9 observations ## - 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: PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	3	0.4	0.467	0.6	0.4	0.013	0.115	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	212	1.	1.636	11.	0.3	2.662	1.632	0.5	0.7	1.9	3.67
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/30/80-09/30/80	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	3	1.3	1.333	1.8	0.9	0.203	0.451	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	181	0.1	0.145	0.7	0.03	0.007	0.083	0.052	0.1	0.2	0.2
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	08/16/83-10/12/83	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	156	0.06	0.083	0.6	0.	0.005	0.071	0.03	0.04	0.1	0.16
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	174	6.75	7.854	31.	1.5	21.534	4.64	3.5	4.475	10.	13.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	79	58.	59.646	122.	22.	317.052	17.806	37.	51.	66.	82.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	91	13.	15.946	103.	0.05	221.635	14.887	5.	8.	17.	28.8
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	77	16.	19.065	50.	7.	77.719	8.816	10.	13.	23.	33.4
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	56	0.115	0.116	0.32	0.01	0.005	0.069	0.05	0.05	0.15	0.222
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/89-01/14/93	42	8.8	8.081	16.5	1.6	11.032	3.321	2.76	5.25	10.125	11.58
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/28/93	13 ##	5.	3.962	5.	0.5	2.894	1.701	0.7	2.5	5.	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/30/80-09/23/91	5	5.	5.78	11.	1.	14.222	3.771	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/27/86-06/21/91	8	0.09	0.081	0.105	0.03	0.001	0.026	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/28/71-04/28/93	14 ##	5.	4.357	5.	0.5	2.67	1.634	0.5	5.	5.	5.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/23/91	5 ##	0.5	0.414	0.5	0.21	0.017	0.129	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/23/91	5	27.2	27.92	44.4	9.	179.892	13.412	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/28/71-04/28/93	15 ##	5.	4.8	5.	2.	0.6	0.775	3.8	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	04/28/71-04/28/93	15 ##	5.	5.333	10.	5.	1.667	1.291	5.	5.	5.	7.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/80-09/23/91	5	40.	34.16	44.	13.	161.428	12.705	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/28/71-04/28/93	10	810.	1122.3	3000.	353.	677104.011	822.863	363.7	565.	1545.	2898.
01051	LEAD, TOTAL (UG/L AS PB)	04/28/71-04/28/93	15 ##	5.	6.467	30.	3.	42.695	6.534	3.6	5.	5.	15.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/80-09/23/91	5	31.	32.74	71.3	7.	601.478	24.525	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/28/71-04/28/93	10	70.	80.3	140.	31.	1042.678	32.291	33.9	60.	104.	137.
01067	NICKEL, TOTAL (UG/L AS NI)	05/04/82-04/28/93	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/23/91	5	16.8	24.16	54.	6.	361.428	19.011	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	08/27/86-06/21/91	8	0.8	0.894	2.4	0.2	0.475	0.689	**	**	**	**
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	06/21/91-06/21/91	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/28/71-04/28/93	15 ##	5.	7.067	17.	5.	12.21	3.494	5.	5.	10.	12.8
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/80-09/23/91	5	140.	145.6	226.	52.	5482.8	74.046	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/25/90-04/28/93	8 ##	7.5	8.75	20.	5.	26.786	5.175	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	06/21/91-06/21/91	3	0.36	0.33	0.48	0.15	0.028	0.167	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/70-08/10/73	7	930.	3054.429	15000.	91.	28642373.952	5351.857	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/70-08/10/73	7	2.968	2.977	4.176	1.959	0.547	0.74	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			948.965								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	3	93.	562.	1500.	93.	659883.	812.332	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	3	1.968	2.371	3.176	1.968	0.486	0.697	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			234.974								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/07/94-08/20/96	25	170.	952.68	16000.	9.	10118513.477	3180.961	20.	32.5	515.	1514.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/07/94-08/20/96	25	2.23	2.166	4.204	0.954	0.584	0.764	1.301	1.477	2.682	3.105
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			146.649								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	188	100.	378.117	13000.	0.	1059548.446	1029.344	50.	50.	400.	910.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	188	2.	2.144	4.114	0.	0.332	0.576	1.699	1.699	2.602	2.959
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			139.399								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	4	43.25	41.875	46.9	34.1	38.709	6.222	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	4	22.45	22.35	26.	18.5	9.67	3.11	**	**	**	**
34252	BERYLLIUM WET WGTTISMG/KG	06/21/91-06/21/91	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34258	B-BHC-BETA WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34664	PCB - 1221 WET WGTTISMG/KG	06/21/91-06/21/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34667	PCB - 1232 WET WGTTISMG/KG	06/21/91-06/21/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	06/21/91-06/21/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34674	PCB - 1016 WET WGTTISMG/KG	06/21/91-06/21/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/24/79-06/21/91	20 ##	0.375	0.292	0.5	0.005	0.052	0.228	0.005	0.005	0.5	0.5
34685	ENDRIN WET WGTTISMG/KG	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
34689	PCB - 1242 WET WGTTISMG/KG	06/21/91-06/21/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.5	0.65	1.7	0.5	0.18	0.424	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	08/27/86-06/21/91	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38744	CHLORPYRIFOS-METHYL TISWETWGTMG/KG	06/21/91-06/21/91	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/30/80-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/21/91-09/23/91	4 ##	25.	18.751	25.	0.005	156.188	12.498	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39309	O P DDT IN AQUATIC ORGANISMS WET WEIGHT BASIS(UG/G	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/24/79-07/17/84	12 ##	0.15	0.196	0.5	0.005	0.044	0.209	0.005	0.006	0.438	0.5
39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/82-09/23/91	4 ##	50.	37.5	50.	0.	625.	25.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/21/91-09/23/91	4 ##	125.25	125.25	250.	0.5	20750.083	144.049	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	4 ##	0.05	12.538	50.	0.05	623.751	24.975	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	4 ##	0.05	12.538	50.	0.05	623.751	24.975	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	4 ##	25.025	25.025	50.	0.05	831.668	28.839	**	**	**	**
39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	07/17/84-07/17/84	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/21/91-09/23/91	4 ##	0.05	12.538	50.	0.05	623.751	24.975	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/30/80-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	4 ##	0.05	12.538	50.	0.05	623.751	24.975	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/21/91-09/23/91	4 ##	0.5	12.875	50.	0.5	612.563	24.75	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/21/91-09/23/91	4 ##	0.05	12.538	50.	0.05	623.751	24.975	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/24/79-06/21/91	18 ##	0.5	0.474	1.1	0.005	0.078	0.279	0.005	0.443	0.548	0.92
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/21/91-09/23/91	4 ##	250.	432.5	980.	250.	133225.	365.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/04/82-05/04/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/30/80-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39781	LINDANE AQUATIC ORGANISMS WT WGT BASIS(UG/G)	10/24/79-07/17/84	12 ##	0.128	0.19	0.5	0.005	0.046	0.214	0.005	0.005	0.438	0.5
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
45651	PCB - 1262, TISSUE, WET WEIGHT MG/KG	06/21/91-06/21/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/16/83-10/03/83	3	0.2	0.133	0.2	0.	0.013	0.115	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/22/70-09/30/80	33	0.1	0.092	0.5	0.05	0.006	0.08	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/70-08/20/96	56	0.05	0.052	0.14	0.01	0.001	0.027	0.02	0.03	0.07	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	04/28/71-04/28/93	15 ##	0.15	0.177	0.25	0.15	0.002	0.046	0.15	0.15	0.25	0.25
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	10/24/79-07/17/84	12 ##	1.575	2.34	5.4	0.05	4.245	2.06	0.055	0.278	4.2	5.34
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/80-09/23/91	5 ##	0.25	0.29	0.5	0.2	0.014	0.119	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/24/79-06/21/91	20 ##	0.023	0.039	0.17	0.005	0.002	0.046	0.01	0.01	0.045	0.15
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	10/24/79-07/17/84	12	4.985	5.32	11.1	0.6	15.097	3.886	0.78	1.763	9.483	10.797
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/22/82-06/21/91	14 ##	1.	1.146	3.5	0.1	0.901	0.949	0.1	0.538	1.45	2.95
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/22/82-06/21/91	14	1.65	2.291	5.4	0.1	2.893	1.701	0.245	0.898	3.743	5.05
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/27/86-06/21/91	8	12.8	21.975	64.1	4.9	485.096	22.025	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/22/82-06/21/91	14	0.415	0.91	4.7	0.1	1.543	1.242	0.15	0.325	0.86	3.6
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/22/82-06/21/91	14 ##	0.075	0.076	0.105	0.05	0.001	0.023	0.05	0.054	0.1	0.103
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	10/24/79-07/17/84	12 ##	0.148	0.155	0.33	0.045	0.011	0.103	0.047	0.061	0.218	0.327
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	10/24/79-07/17/84	12	5.05	8.686	25.8	2.12	53.753	7.332	2.435	3.643	13.79	23.4
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	10/24/79-07/17/84	12	1.555	1.723	3.	1.06	0.353	0.594	1.072	1.158	2.08	2.82
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	09/23/91-09/23/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	09/23/91-09/23/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/24/79-06/21/91	20	5.	5.15	10.	4.	1.397	1.182	4.1	5.	5.	5.
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/24/79-06/21/91	20 ##	0.05	0.134	0.5	0.005	0.032	0.177	0.005	0.005	0.25	0.5
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	06/21/91-06/21/91	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	08/27/86-06/21/91	8 ##	0.1	0.188	0.5	0.05	0.038	0.194	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	08/27/86-06/21/91	8 ##	0.025	0.029	0.05	0.005	0.	0.019	**	**	**	**
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	08/27/86-06/21/91	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	08/27/86-06/21/91	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	06/21/91-06/21/91	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	55	4	0.07	15	0	0.00	21	4	0.19	19	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	25	1	0.04	7	0	0.00	9	1	0.11	9	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	34	0	0.00	10	0	0.00	15	0	0.00	9	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	184	1	0.01	69	1	0.01	55	0	0.00	60	0	0.00			
00400	PH	Other-Hi Lim.	9.	218	5	0.02	79	3	0.04	69	0	0.00	70	2	0.03			
		Other-Lo Lim.	6.5	218	11	0.05	79	0	0.00	69	7	0.10	70	4	0.06			
00403	PH, LAB	Other-Hi Lim.	9.	80	0	0.00	21	0	0.00	30	0	0.00	29	0	0.00			
		Other-Lo Lim.	6.5	80	0	0.00	21	0	0.00	30	0	0.00	29	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	213	1	0.00	76	1	0.01	70	0	0.00	67	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	211	0	0.00	75	0	0.00	69	0	0.00	67	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									

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

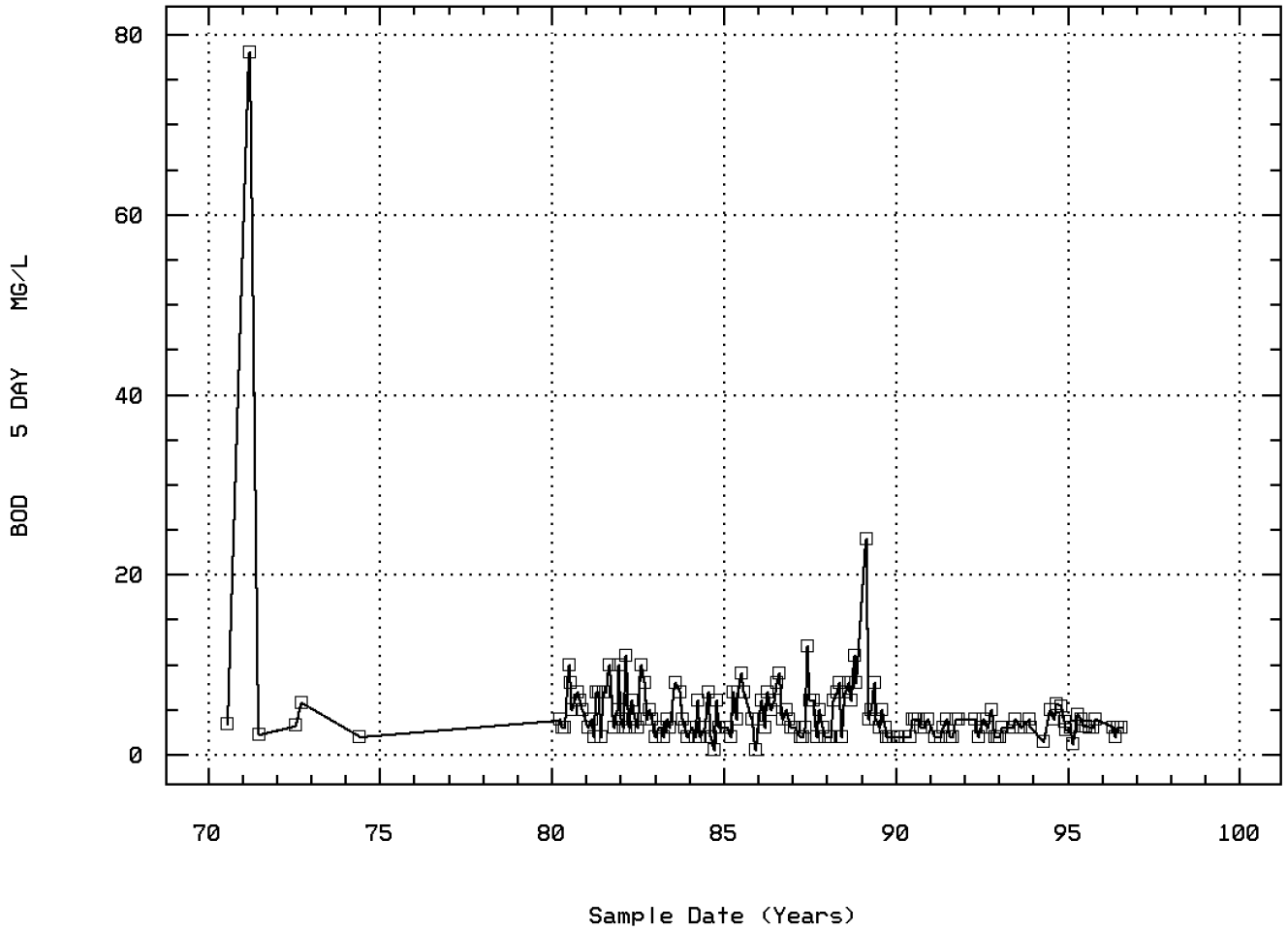
EPA Water Quality Criteria Analysis for Station: PETE0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	91	0	0.00	31	0	0.00	30	0	0.00	30	0	0.00			
		Drinking Water	250.	91	0	0.00	31	0	0.00	30	0	0.00	30	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	77	0	0.00	21	0	0.00	28	0	0.00	28	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	56	0	0.00	15	0	0.00	20	0	0.00	21	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	13	0	0.00	2	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	50.	13	0	0.00	2	0	0.00	4	0	0.00	7	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.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	1300.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	15.	15	1	0.07	4	0	0.00	4	0	0.00	7	1	0.14			
01067	NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	100.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	5000.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	1	0.13	2	0	0.00	3	1	0.33	3	0	0.00			
		Drinking Water	50.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	7	3	0.43	6	2	0.33				1	1	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	3	1	0.33	3	1	0.33									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	25	12	0.48	8	1	0.13	9	8	0.89	8	3	0.38			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	188	75	0.40	66	16	0.24	61	37	0.61	61	22	0.36			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	3	0	0.00	1	0	0.00				2	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00	1	0	0.00				2	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00	1	0	0.00				2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	3	0	0.00	1	0	0.00				2	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	1	0	0.00				2	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	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			
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			
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	3	2	0.67	3	2	0.67									
71900	MERCURY, TOTAL	Fresh Acute	2.4	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	2.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			

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

Station: PETE0004 Parameter Code: 00310

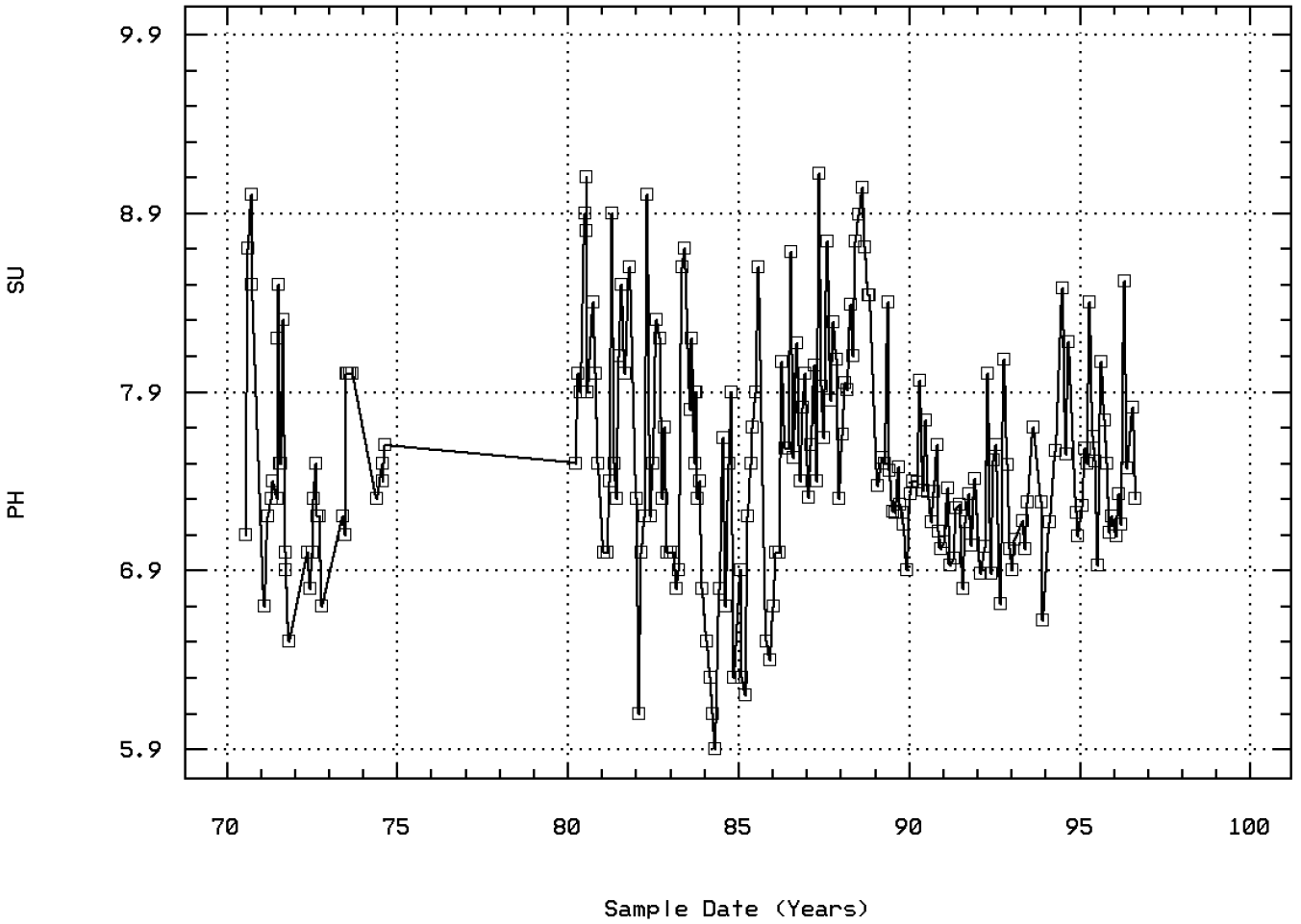
BOD, 5 DAY, 20 DEG C



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00400

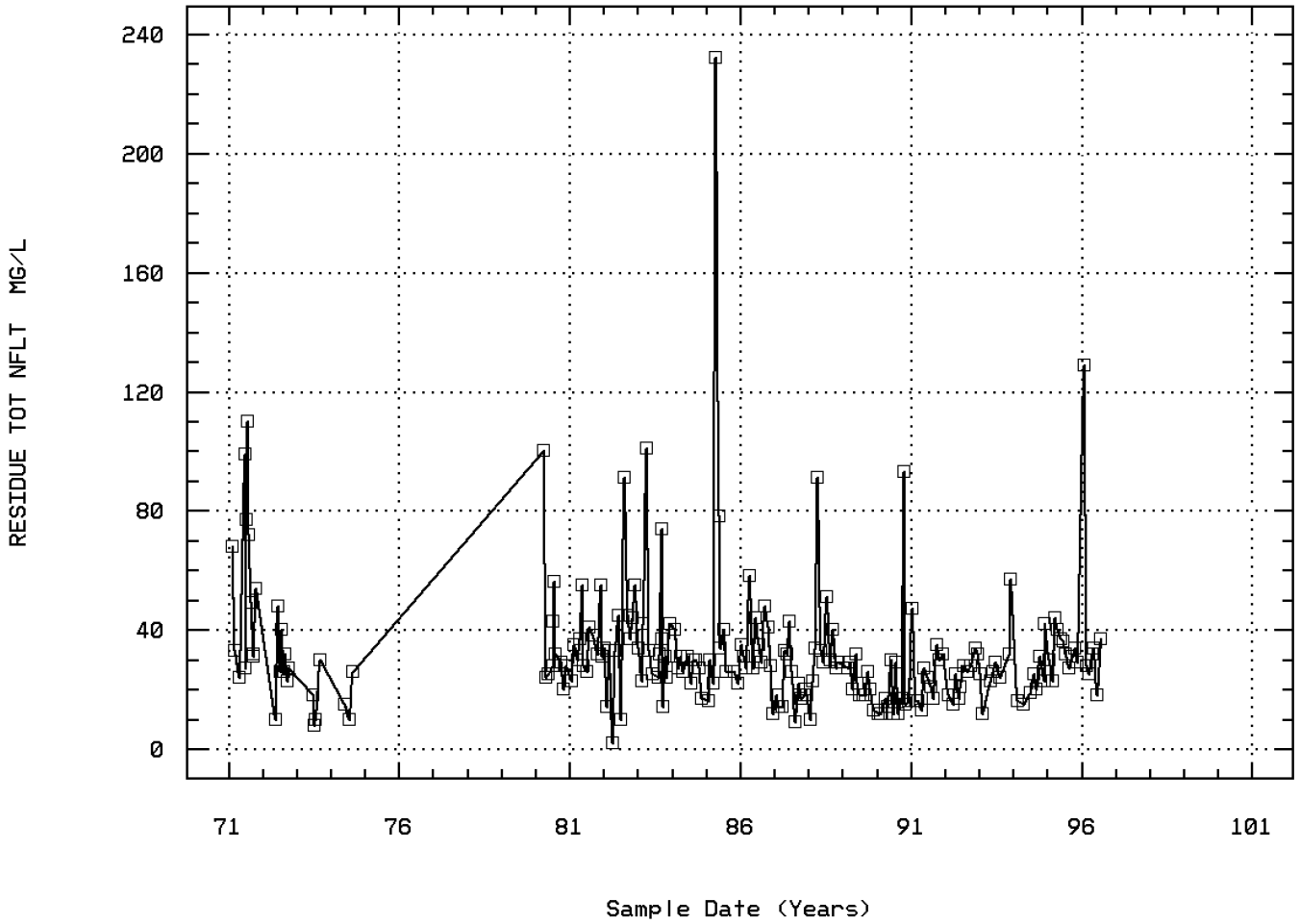
PH (STANDARD UNITS)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00530

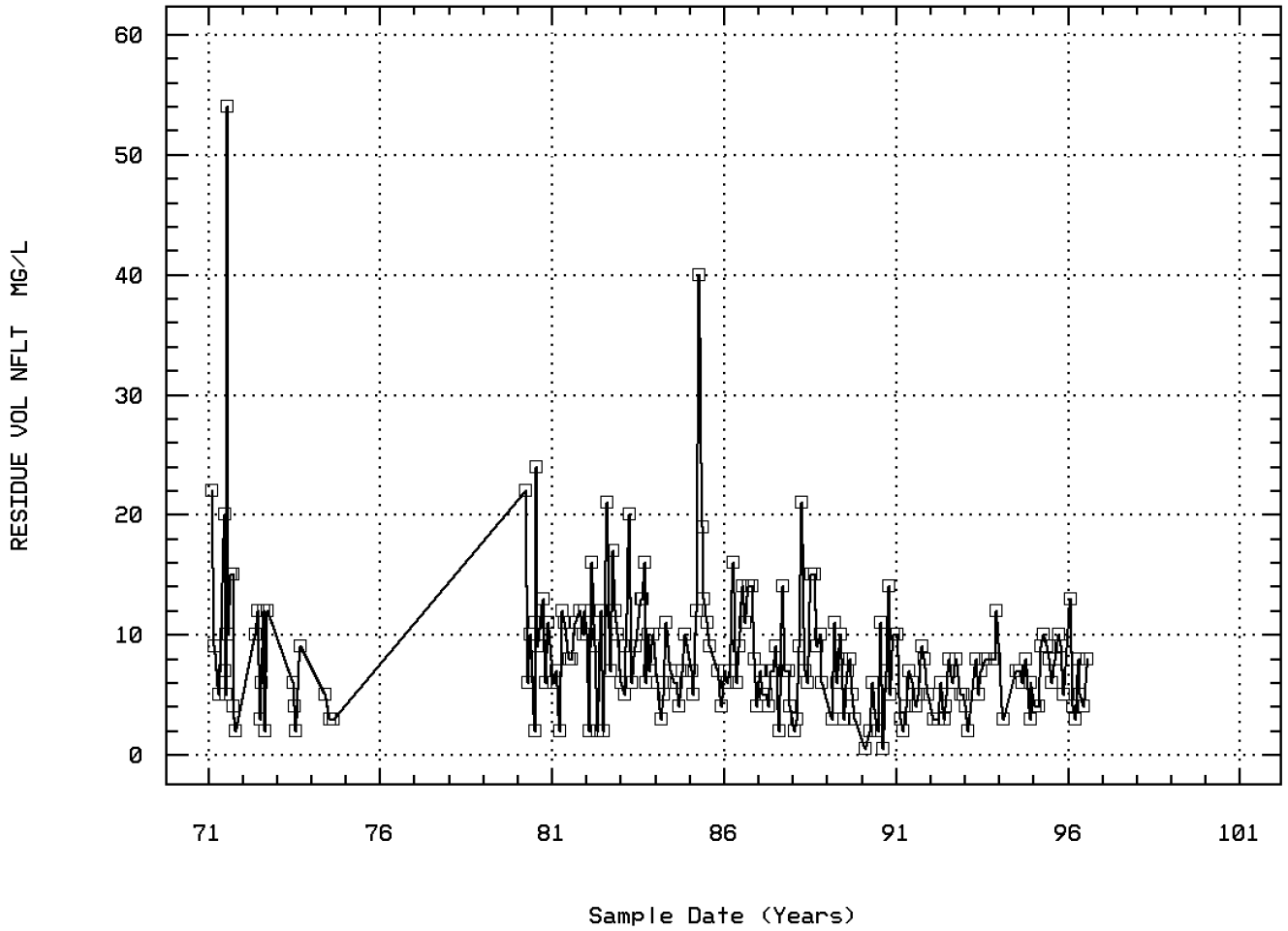
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00535

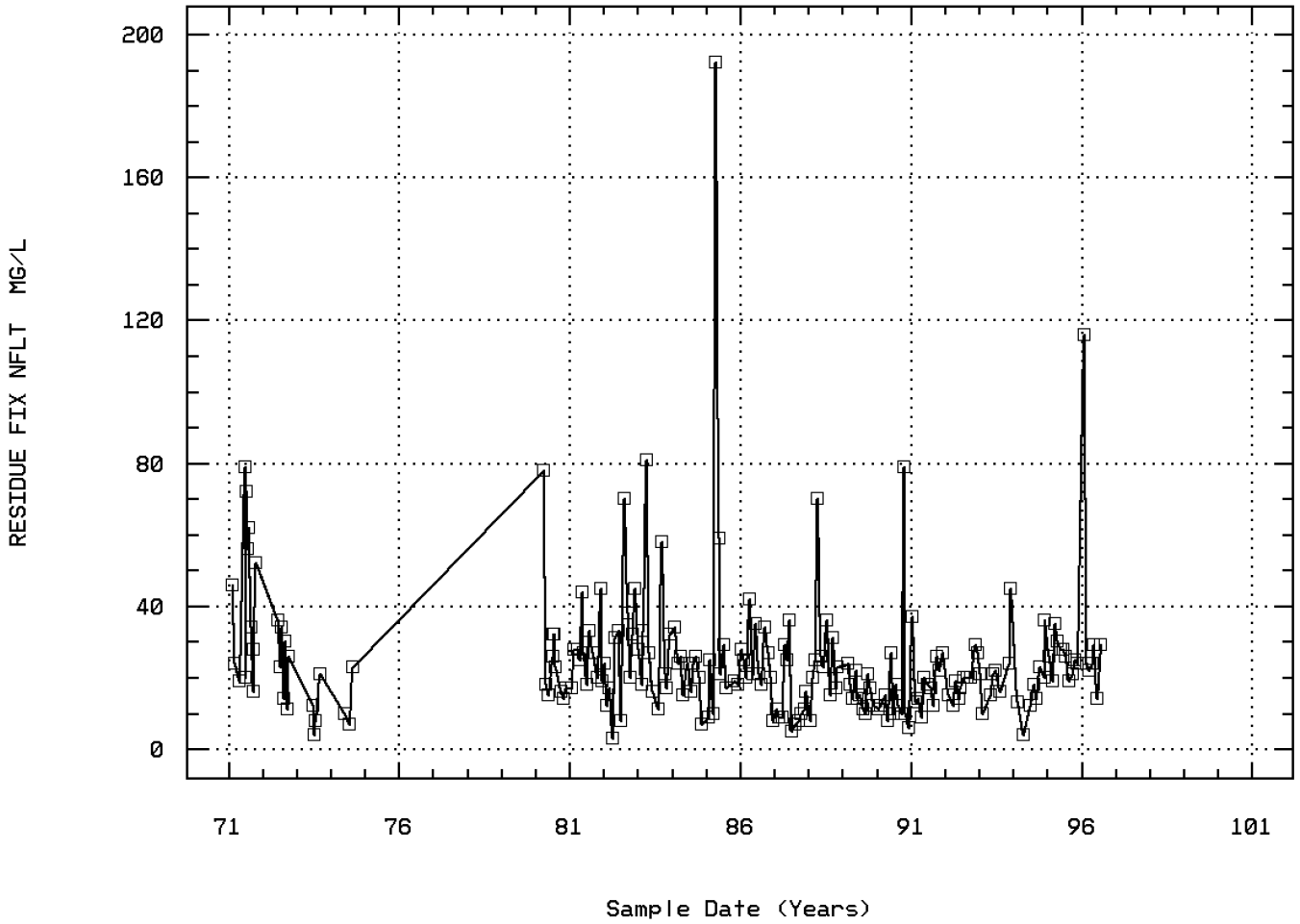
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00540

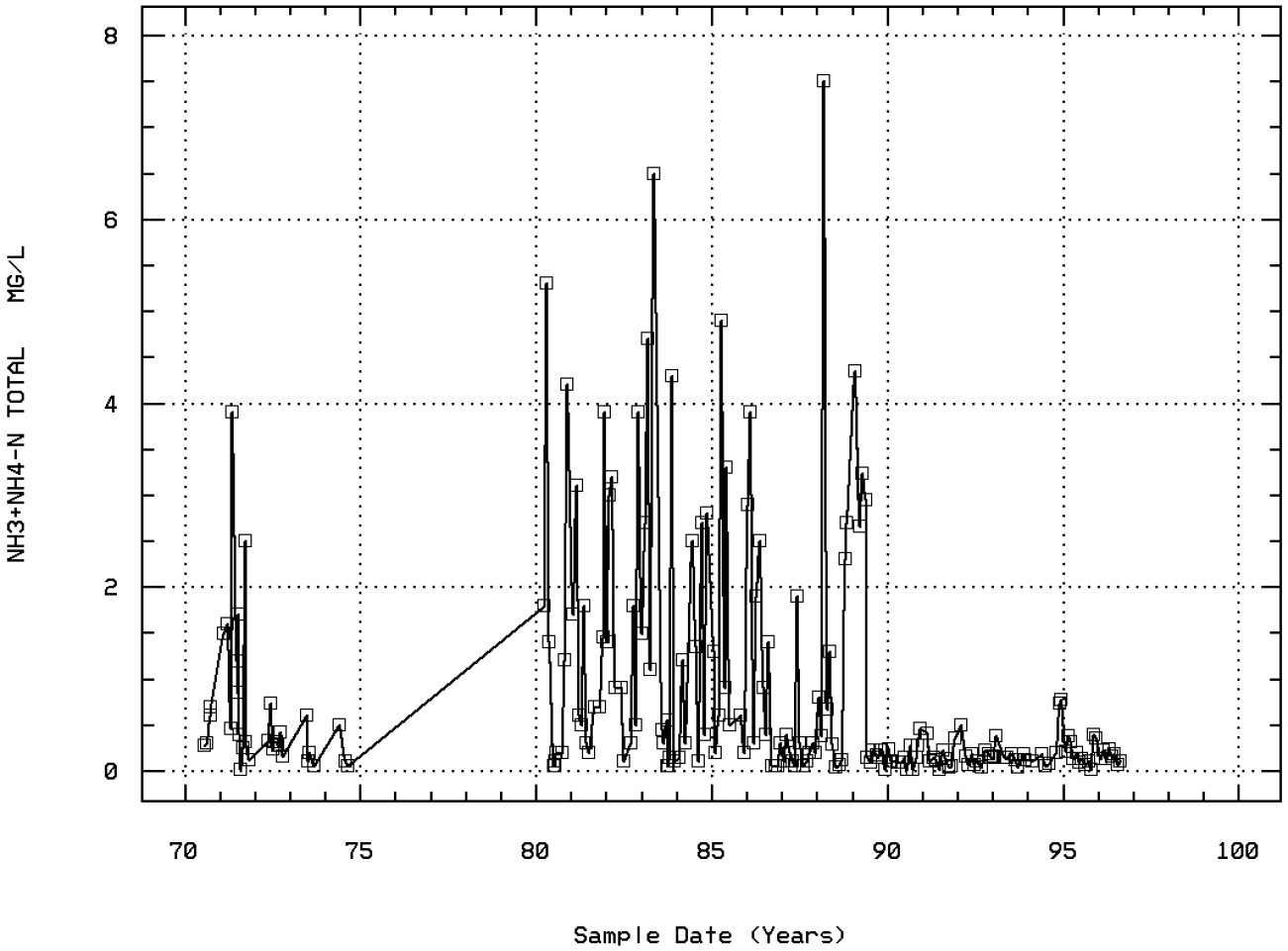
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00610

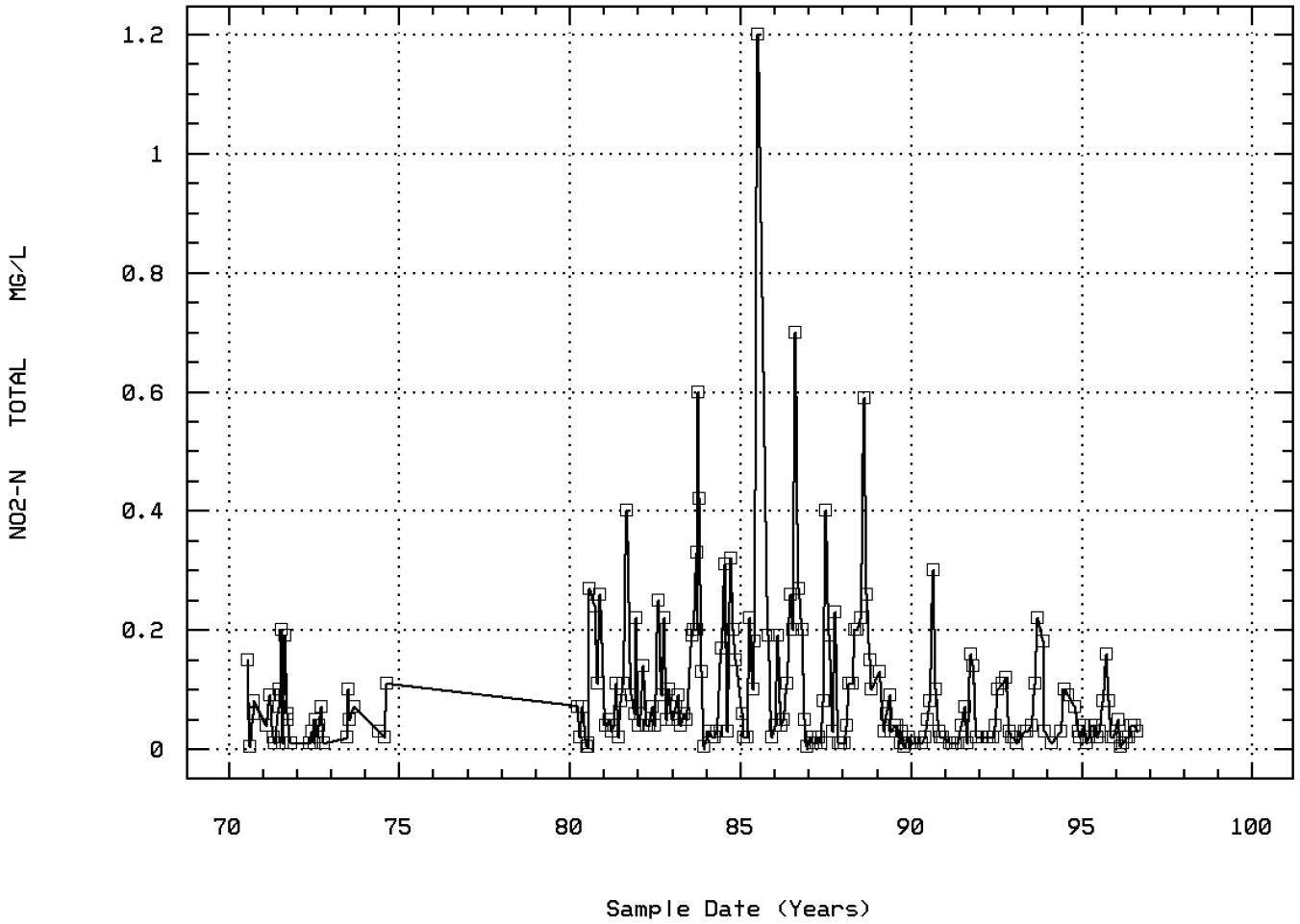
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00615

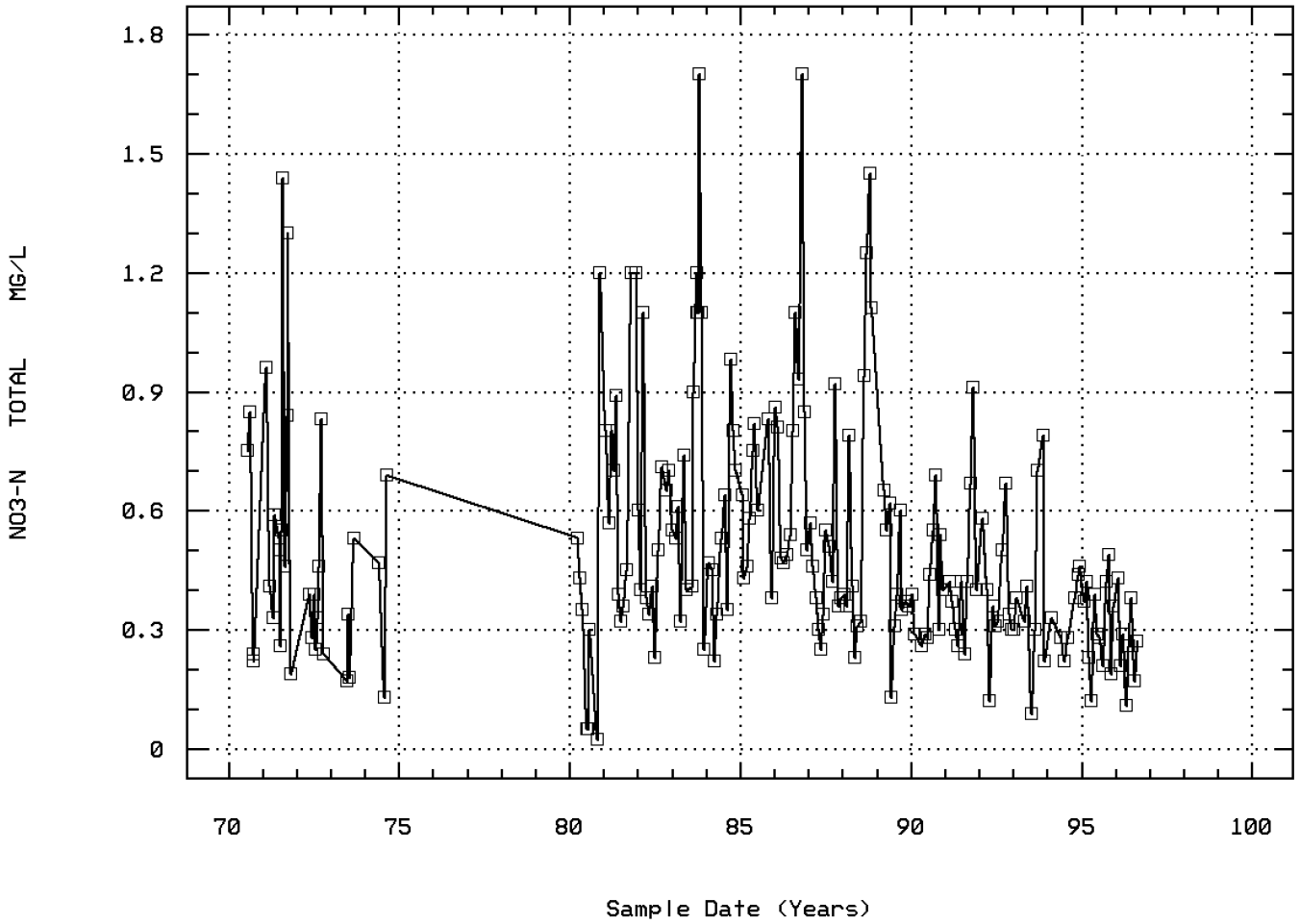
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00620

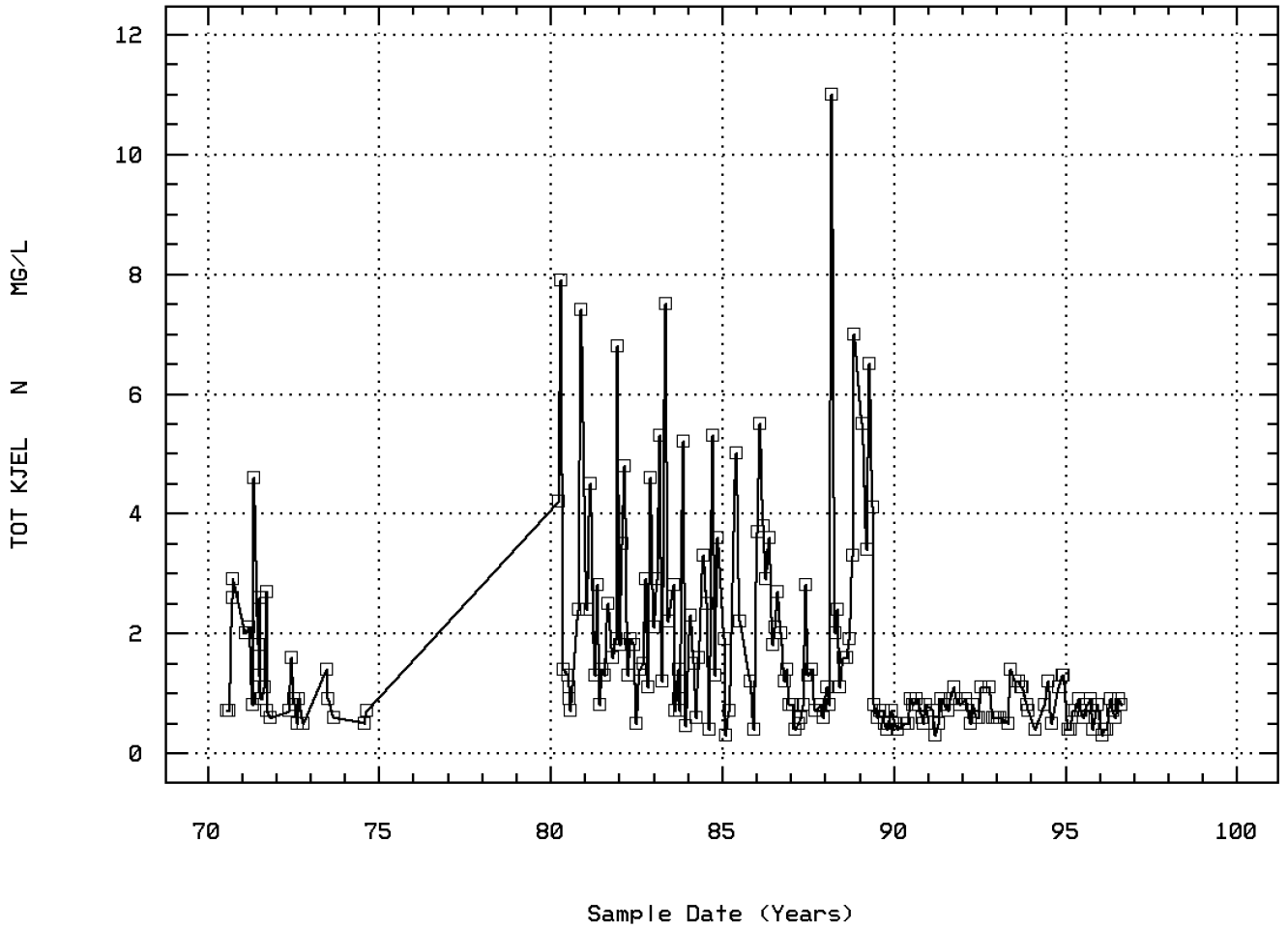
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00625

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



RT. 156 BRIDGE BELOW HOPEWELL

Annual Analysis for 1970 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	4	27.25	27.375	30.	25.	4.389	2.095	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	4	9.3	8.5	11.	4.4	8.173	2.859	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	4	8.6	8.325	9.	7.1	0.709	0.842	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	4	8.589	7.67	9.	7.1	1.282	1.132	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	4	0.003	0.021	0.079	0.001	0.001	0.039	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	4	0.45	0.468	0.7	0.27	0.046	0.215	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	4	0.07	0.074	0.15	0.005	0.004	0.06	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	4	0.495	0.515	0.85	0.22	0.11	0.332	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	4	1.65	1.725	2.899	0.7	1.414	1.189	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	13	23.3	22.738	30.6	3.9	61.211	7.824	7.9	17.8	29.15	30.36
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	13	6.4	6.631	10.	4.2	2.579	1.606	4.36	5.4	7.7	9.2
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	2	40.1	40.1	78.	2.2	2872.82	53.599	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	13	7.3	7.408	8.5	6.5	0.371	0.609	6.58	6.95	7.85	8.42
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	13	7.3	7.104	8.5	6.5	0.471	0.686	6.58	6.95	7.85	8.42
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	13	0.05	0.079	0.316	0.003	0.008	0.09	0.004	0.019	0.113	0.27
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	12	204.	180.25	229.	43.	3072.932	55.434	63.7	151.25	217.	226.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	12	48.5	49.5	71.	12.	335.545	18.318	17.4	34.25	66.	70.4
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	12	140.5	130.75	199.	13.	2427.114	49.266	33.4	104.5	166.	190.3
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	51.5	56.333	110.	24.	841.152	29.003	24.9	31.25	75.75	106.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	9.5	14.	54.	2.	199.818	14.136	2.6	5.	18.75	44.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	40.	42.333	79.	16.	477.515	21.852	16.9	21.	60.5	76.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	13	0.85	1.139	3.899	0.01	1.249	1.118	0.054	0.285	1.649	3.339
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	13	0.06	0.072	0.2	0.01	0.004	0.063	0.01	0.015	0.095	0.196
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	13	0.53	0.643	1.439	0.19	0.149	0.386	0.218	0.37	0.9	1.383
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	13	1.299	1.699	4.599	0.6	1.274	1.129	0.64	0.85	2.349	3.839
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	13	600.	1503.846	13000.	50.	12143942.308	3484.816	50.	75.	1050.	8400.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	13	2.778	2.616	4.114	1.699	0.491	0.701	1.699	1.849	3.009	3.739
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			413.157								

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

Annual Analysis for 1972 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	8	25.25	24.925	31.7	17.2	22.599	4.754	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	8	6.3	6.4	8.3	3.6	2.054	1.433	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	2	4.55	4.55	5.8	3.3	3.125	1.768	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	8	7.1	7.088	7.5	6.7	0.07	0.264	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	8	7.089	7.019	7.5	6.7	0.075	0.274	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	8	0.082	0.096	0.2	0.032	0.003	0.057	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	8	119.5	129.5	181.	93.	1063.429	32.61	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	8	36.5	36.125	89.	12.	604.982	24.596	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	8	84.5	93.375	139.	66.	675.125	25.983	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	8	26.5	29.	48.	10.	130.	11.402	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	8	8.	7.25	12.	1.	23.071	4.803	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	7	26.	24.857	36.	11.	91.476	9.564	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	8	0.31	0.349	0.74	0.16	0.031	0.175	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	8	0.025	0.03	0.07	0.01	0.	0.022	**	**	**	**

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

Annual Analysis for 1972 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	8	0.36	0.396	0.83	0.24	0.037	0.191	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	8	0.85	0.862	1.599	0.5	0.122	0.35	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	6	7.	6.842	14.	0.05	20.83	4.564	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	7	700.	728.571	1500.	200.	192380.952	438.613	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	7	2.845	2.783	3.176	2.301	0.091	0.302	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			606.653								

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Annual Analysis for 1973 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	6	28.6	28.683	32.2	26.1	4.61	2.147	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	5	7.	7.56	11.	5.4	4.288	2.071	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	6	8.	7.717	8.	7.1	0.194	0.44	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	6	8.	7.517	8.	7.1	0.242	0.492	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	6	0.01	0.03	0.079	0.01	0.001	0.032	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	3	186.	181.667	200.	159.	434.333	20.841	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	3	4.	9.667	25.	0.	180.333	13.429	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	3	161.	172.	196.	159.	433.	20.809	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	4	14.	16.5	30.	8.	99.667	9.983	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	4	5.	5.25	9.	2.	8.917	2.986	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	4	10.	11.25	21.	4.	52.917	7.274	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	4	0.15	0.238	0.6	0.05	0.062	0.25	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	4	0.06	0.06	0.1	0.02	0.001	0.034	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	4	0.26	0.305	0.53	0.17	0.029	0.169	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	4	0.95	0.975	1.399	0.6	0.109	0.33	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	4	13.	10.75	15.	2.	34.917	5.909	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	5	100.	90.	100.	50.	500.	22.361	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	5	2.	1.94	2.	1.699	0.018	0.135	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			87.055								

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Annual Analysis for 1974 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	4	27.8	27.1	29.5	23.3	7.06	2.657	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	4	6.35	6.075	6.6	5.	0.542	0.737	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	4	7.45	7.45	7.6	7.3	0.017	0.129	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	4	7.447	7.436	7.6	7.3	0.017	0.13	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	4	0.036	0.037	0.05	0.025	0.	0.011	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	2	126.5	126.5	150.	103.	1104.5	33.234	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	2	64.	64.	65.	63.	2.	1.414	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	2	62.5	62.5	87.	38.	1200.5	34.648	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	3	15.	17.	26.	10.	67.	8.185	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	3	3.	3.667	5.	3.	1.333	1.155	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	3	10.	13.333	23.	7.	72.333	8.505	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	3	0.1	0.217	0.5	0.05	0.061	0.247	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	3	0.03	0.053	0.11	0.02	0.002	0.049	**	**	**	**

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Annual Analysis for 1974 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	3	0.47	0.43	0.69	0.13	0.08	0.282	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	3	0.7	0.733	1.	0.5	0.063	0.252	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	3	14.	12.	15.	7.	19.	4.359	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	4 ##	50.	62.5	100.	50.	625.	25.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	4 ##	1.699	1.774	2.	1.699	0.023	0.151	**	**	**	**
31616p	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 1980 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	10	20.5	21.25	29.5	11.	57.681	7.595	11.	13.25	29.5	29.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	9	251.	356.	830.	204.	41421.	203.521	204.	240.5	461.5	830.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	1	499.	499.	499.	499.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	10	9.05	9.18	11.4	6.4	2.7	1.643	6.5	8.	11.	11.36
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	10	5.5	5.9	10.	3.	5.433	2.331	3.	3.75	8.	9.8
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	10	29.	29.6	52.	10.	200.711	14.167	10.4	16.25	39.75	51.9
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	10	8.	8.2	9.1	7.5	0.327	0.572	7.5	7.8	8.825	9.08
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	10	8.	7.935	9.1	7.5	0.404	0.636	7.5	7.8	8.825	9.08
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	10	0.01	0.012	0.032	0.001	0.	0.012	0.001	0.002	0.017	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	28.5	38.5	100.	20.	577.389	24.029	20.4	24.75	46.25	95.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	10.5	11.4	24.	2.	47.6	6.899	2.4	6.	15.25	23.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	20.5	27.1	78.	14.	364.767	19.099	14.1	15.75	32.	73.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.7	1.45	5.3	0.05	3.493	1.869	0.05	0.088	2.4	5.19
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.07	0.106	0.27	0.005	0.012	0.11	0.005	0.009	0.245	0.269
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	9	0.3	0.332	1.2	0.025	0.142	0.377	0.025	0.05	0.48	1.2
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	10	1.35	2.83	7.9	0.7	7.516	2.741	0.72	0.975	5.	7.85
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	9	0.2	0.228	0.7	0.05	0.042	0.205	0.05	0.1	0.3	0.7
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	9	0.04	0.094	0.34	0.03	0.011	0.107	0.03	0.035	0.14	0.34
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	10	14.5	15.1	21.	10.	15.656	3.957	10.1	11.75	19.25	20.9
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10 ##	50.	150.	700.	50.	41111.111	202.759	50.	50.	200.	650.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10 ##	1.699	1.964	2.845	1.699	0.158	0.398	1.699	1.699	2.301	2.791
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			92.066								

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Annual Analysis for 1981 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	11	17.5	17.227	27.	6.	62.518	7.907	6.5	9.	27.	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	12	334.5	359.167	588.	214.	15230.879	123.413	216.4	255.5	468.	569.7
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	11	8.4	8.809	13.1	6.4	3.695	1.922	6.48	7.5	10.	12.58
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	12	6.	5.583	10.	2.	8.083	2.843	2.	3.	7.	10.
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	12	24.5	28.	67.	13.	222.727	14.924	13.3	17.25	36.75	58.3
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	10	7.75	7.83	8.9	7.	0.471	0.686	7.	7.225	8.525	8.87
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	10	7.682	7.46	8.9	7.	0.623	0.789	7.	7.225	8.525	8.87
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	10	0.021	0.035	0.1	0.001	0.001	0.038	0.001	0.003	0.063	0.1
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	33.5	35.917	55.	23.	105.72	10.282	23.9	28.5	40.25	55.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	9.	8.333	12.	1.	14.424	3.798	1.3	6.25	11.75	12.

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Annual Analysis for 1981 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	27.	27.583	45.	17.	85.902	9.268	17.3	19.25	31.75	44.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	0.7	1.359	3.9	0.2	1.445	1.202	0.22	0.5	1.8	3.74
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.07	0.104	0.4	0.02	0.012	0.108	0.023	0.04	0.11	0.346
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.75	0.723	1.2	0.32	0.098	0.313	0.332	0.405	0.973	1.2
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	12	1.75	2.358	6.8	0.8	2.977	1.725	0.86	1.3	2.725	6.11
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	12	0.1	0.138	0.3	0.06	0.005	0.07	0.072	0.1	0.2	0.27
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	12	0.1	0.156	0.6	0.03	0.025	0.159	0.036	0.055	0.208	0.504
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	12	12.5	14.25	31.	7.	40.205	6.341	7.9	10.25	15.75	28.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	12 ##	50.	145.833	800.	50.	45662.879	213.689	50.	50.	175.	620.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	12 ##	1.699	1.95	2.903	1.699	0.146	0.381	1.699	1.699	2.226	2.722
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			89.09								

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Annual Analysis for 1982 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	13	18.	16.385	28.	4.5	73.215	8.557	4.7	8.	24.25	27.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	12	248.	270.167	528.	2.	16037.788	126.64	52.7	224.25	335.5	485.4
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	13	9.2	8.992	10.7	6.	2.242	1.497	6.28	7.95	10.45	10.66
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	12	4.	5.417	11.	3.	7.72	2.778	3.	3.25	7.5	10.7
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	12	25.	24.417	40.	3.	104.083	10.202	5.7	18.5	30.75	38.8
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	12	7.3	7.483	9.	6.1	0.558	0.747	6.37	7.05	8.075	8.79
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	12	7.3	6.97	9.	6.1	0.845	0.919	6.37	7.05	8.075	8.79
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	12	0.05	0.107	0.794	0.001	0.048	0.219	0.002	0.01	0.091	0.586
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	1	129.	129.	129.	129.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	35.5	36.917	91.	2.	540.083	23.24	4.4	18.75	45.	80.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	10.	10.	21.	2.	37.818	6.15	2.	3.25	15.	19.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	27.5	27.75	70.	3.	334.932	18.301	4.5	13.25	36.75	62.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	1.	1.545	3.9	0.1	1.635	1.279	0.14	0.5	3.	3.76
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.065	0.095	0.25	0.04	0.005	0.072	0.04	0.04	0.13	0.241
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.55	0.585	1.1	0.23	0.07	0.265	0.263	0.385	0.708	1.07
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	12	1.8	2.258	4.8	0.5	1.919	1.385	0.68	1.325	3.35	4.74
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	12	0.2	0.167	0.2	0.1	0.002	0.049	0.1	0.1	0.2	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	12	0.07	0.082	0.16	0.03	0.002	0.042	0.033	0.045	0.1	0.157
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	12	10.	10.167	19.	5.	14.515	3.81	5.6	7.	12.	17.2
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	12	150.	545.833	2100.	0.	517481.061	719.362	15.	50.	1225.	1920.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	12	2.151	2.197	3.322	0.	0.844	0.919	0.51	1.699	3.071	3.278
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			157.416								

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

Annual Analysis for 1983 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	14	19.75	17.286	28.5	4.	64.835	8.052	5.25	10.	24.75	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	14	295.5	316.571	566.	100.	21366.725	146.174	110.	192.	447.5	536.
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	14	9.05	9.1	12.2	6.3	3.145	1.773	6.35	7.725	10.425	11.8
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	11	3.	3.727	8.	2.	4.018	2.005	2.	2.	4.	7.8
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	11	19.	23.455	41.	12.	77.273	8.79	12.8	17.	29.	39.8
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	14	7.45	7.557	8.7	6.8	0.415	0.644	6.8	6.975	7.975	8.65
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	14	7.447	7.234	8.7	6.8	0.527	0.726	6.8	6.975	7.975	8.65
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	14	0.036	0.058	0.158	0.002	0.003	0.058	0.002	0.011	0.106	0.158

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Annual Analysis for 1983 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	3	55.	56.333	62.	52.	26.333	5.132	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	14	32.5	38.286	101.	14.	521.912	22.845	18.5	24.	42.	87.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	14	9.5	10.429	20.	5.	20.879	4.569	5.5	6.	13.75	18.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	27.	31.091	81.	11.	434.891	20.854	12.	17.	33.	76.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	15	0.55	1.567	6.5	0.05	4.171	2.042	0.05	0.1	2.7	5.42
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	14	0.11	0.174	0.6	0.005	0.029	0.171	0.023	0.05	0.233	0.51
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	14	0.675	0.779	1.7	0.25	0.174	0.417	0.285	0.408	1.1	1.45
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	14	1.75	2.454	7.5	0.45	4.538	2.13	0.575	0.85	3.475	6.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	16	0.1	0.101	0.2	0.05	0.003	0.058	0.05	0.05	0.145	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	14	0.075	0.077	0.19	0.	0.004	0.06	0.	0.03	0.125	0.175
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	14	10.	9.857	13.	7.	3.055	1.748	7.	8.	11.	12.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	14	75.	645.071	2900.	4.	854224.687	924.243	4.	43.25	1225.	2450.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	14	1.849	2.125	3.462	0.602	0.913	0.955	0.602	1.615	3.082	3.382
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			133.371								

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Annual Analysis for 1984 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	10	17.75	16.83	29.5	4.	91.333	9.557	4.15	7.	26.	29.45
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	10	208.	227.8	403.	73.	13313.956	115.386	75.8	139.25	336.5	399.5
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	10	9.5	9.34	12.6	4.4	5.314	2.305	4.69	8.425	11.	12.5
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	10	3.	3.45	7.	0.5	4.581	2.14	0.65	2.	6.	6.9
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	10	22.5	22.4	34.	12.	55.822	7.471	12.	16.5	28.25	33.8
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	10	6.6	6.764	7.9	5.9	0.477	0.691	5.92	6.25	7.535	7.874
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	10	6.589	6.421	7.9	5.9	0.608	0.78	5.92	6.25	7.535	7.874
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	10	0.258	0.38	1.259	0.013	0.16	0.4	0.014	0.029	0.574	1.212
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	28.5	28.1	40.	17.	36.989	6.082	17.5	25.	31.	39.1
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	6.	6.5	11.	3.	6.056	2.461	3.1	4.75	7.75	10.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	24.	21.6	34.	7.	55.6	7.457	7.8	15.75	26.	33.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	1.1	1.25	2.8	0.1	1.144	1.07	0.105	0.263	2.55	2.79
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.09	0.128	0.32	0.02	0.014	0.12	0.02	0.028	0.228	0.319
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.5	0.548	0.98	0.22	0.054	0.233	0.232	0.348	0.725	0.962
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	10	1.95	2.24	5.3	0.4	2.258	1.503	0.42	1.125	3.375	5.13
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	10	0.15	0.148	0.22	0.05	0.004	0.063	0.055	0.1	0.203	0.219
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	10	0.1	0.115	0.22	0.04	0.004	0.061	0.042	0.068	0.165	0.219
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	10	9.	10.4	20.	6.	22.044	4.695	6.1	7.	13.25	19.7
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10	350.	410.	900.	50.	100444.444	316.93	50.	87.5	700.	880.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10	2.54	2.427	2.954	1.699	0.233	0.482	1.699	1.925	2.845	2.943
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			267.158								

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Annual Analysis for 1985 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	10	14.6	16.06	28.	1.7	101.558	10.078	1.75	7.225	27.35	27.95
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	10	220.5	223.	416.	102.	7573.556	87.026	105.5	155.	255.	402.6
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	10	11.05	10.9	14.8	7.3	6.193	2.489	7.35	8.25	12.875	14.66
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	10	4.	4.65	9.	0.5	7.336	2.709	0.65	2.75	7.	8.8
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	10	21.	22.1	55.	6.	185.433	13.617	6.2	12.5	26.25	52.2
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	10	7.05	7.12	8.6	6.2	0.64	0.8	6.21	6.375	7.75	8.53
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	10	7.025	6.677	8.6	6.2	0.857	0.926	6.21	6.375	7.75	8.53
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	10	0.094	0.21	0.631	0.003	0.054	0.233	0.004	0.018	0.424	0.618

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Annual Analysis for 1985 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	28.	52.6	232.	16.	4274.711	65.381	16.6	22.	49.5	216.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	10.	12.7	40.	4.	111.344	10.552	4.1	6.5	14.5	37.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	20.	39.9	192.	9.	3054.1	55.264	9.1	15.25	36.5	178.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	9	0.6	1.389	4.9	0.2	2.636	1.624	0.2	0.35	2.3	4.9
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	9	0.1	0.223	1.2	0.02	0.14	0.375	0.02	0.02	0.205	1.2
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	9	0.6	0.61	0.83	0.38	0.028	0.167	0.38	0.445	0.785	0.83
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	7	1.2	1.671	5.	0.3	2.679	1.637	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	7	0.2	0.164	0.2	0.05	0.004	0.063	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	9	0.1	0.108	0.16	0.03	0.002	0.049	0.03	0.07	0.16	0.16
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	10	7.	8.9	20.	4.	33.878	5.82	4.	4.	13.25	19.7
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10	100.	260.	1200.	50.	130444.444	361.171	50.	50.	350.	1130.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10	2.	2.135	3.079	1.699	0.239	0.489	1.699	1.699	2.533	3.041
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			136.527								

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Annual Analysis for 1986 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	12	16.95	16.45	29.5	2.	76.094	8.723	3.2	9.375	24.625	28.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	12	308.5	304.167	425.	195.	4749.788	68.919	199.8	252.25	362.25	411.8
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	12	9.9	9.592	12.6	5.7	4.128	2.032	5.91	8.55	11.05	12.36
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	12	5.	5.333	9.	3.	3.697	1.923	3.	4.	6.75	8.7
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	12	21.	19.208	36.	0.5	75.339	8.68	3.35	14.5	22.	33.
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	12	7.58	7.627	8.68	6.7	0.317	0.563	6.79	7.1	8.053	8.527
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	12	7.58	7.328	8.68	6.7	0.414	0.644	6.79	7.1	8.053	8.527
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	12	0.026	0.047	0.2	0.002	0.003	0.058	0.003	0.009	0.085	0.17
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	33.	34.583	58.	12.	142.811	11.95	16.5	27.25	43.25	55.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	8.5	9.667	16.	4.	15.879	3.985	4.6	6.25	14.	15.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	23.	24.917	42.	8.	82.083	9.06	11.	20.	32.5	39.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.65	1.221	3.9	0.05	1.701	1.304	0.05	0.113	2.35	3.6
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.15	0.176	0.7	0.005	0.036	0.189	0.016	0.043	0.245	0.571
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.805	0.794	1.7	0.47	0.126	0.355	0.473	0.493	0.913	1.52
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	12	2.4	2.625	5.5	0.8	1.822	1.35	0.92	1.5	3.675	4.99
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	12	0.2	0.209	0.3	0.1	0.006	0.078	0.1	0.133	0.3	0.3
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	12	0.075	0.108	0.28	0.04	0.005	0.071	0.043	0.055	0.16	0.25
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	12	7.	7.	10.	5.	1.636	1.279	5.3	6.	7.75	9.4
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	12 ##	75.	266.667	1100.	50.	128333.333	358.236	50.	50.	300.	1040.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	12 ##	1.849	2.12	3.041	1.699	0.265	0.514	1.699	1.699	2.477	3.015
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			131.945								

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

Annual Analysis for 1987 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	14	14.5	16.6	28.5	4.	88.672	9.417	5.	6.375	27.7	28.25
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	12	169.	182.	311.	90.	3165.636	56.264	104.4	145.25	216.5	283.4
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	13	10.8	10.1	12.4	6.1	4.19	2.047	6.62	8.1	11.7	12.4
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	12	3.	3.917	12.	1.	9.174	3.029	1.3	2.	5.75	10.2
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	12	18.5	17.667	23.	11.	16.061	4.008	11.6	14.	21.75	22.7
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	14	7.93	7.966	9.12	7.3	0.278	0.527	7.305	7.55	8.29	8.93
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	14	7.93	7.74	9.12	7.3	0.333	0.577	7.305	7.55	8.29	8.93
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	14	0.012	0.018	0.05	0.001	0.	0.017	0.001	0.005	0.029	0.05
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	19.	22.167	43.	9.	94.152	9.703	10.5	14.75	30.5	40.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	7.	6.5	14.	2.	9.182	3.03	2.6	4.25	7.	12.5
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	10.5	14.667	36.	5.	98.061	9.903	5.6	8.25	22.75	33.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.2	0.325	1.9	0.05	0.258	0.508	0.05	0.1	0.3	1.45
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.02	0.085	0.4	0.01	0.016	0.125	0.01	0.01	0.163	0.349
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.4	0.453	0.92	0.25	0.031	0.176	0.265	0.345	0.54	0.815
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	12	0.8	0.975	2.8	0.4	0.42	0.648	0.43	0.6	1.225	2.38
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	12	0.2	0.167	0.3	0.1	0.004	0.065	0.1	0.1	0.2	0.27
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	12	0.07	0.083	0.16	0.03	0.002	0.042	0.033	0.055	0.128	0.154
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	8	6.	5.875	8.	4.	2.125	1.458	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	2	0.105	0.105	0.12	0.09	0.	0.021	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	12 ##	50.	154.167	1200.	50.	108844.697	329.916	50.	50.	87.5	870.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	12 ##	1.699	1.864	3.079	1.699	0.16	0.4	1.699	1.699	1.925	2.755
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			73.141								

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

Annual Analysis for 1988 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	11	15.7	16.318	28.	3.5	81.282	9.016	3.9	7.3	24.5	27.92
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	11	249.	305.545	577.	149.	21475.073	146.544	150.2	190.	418.	562.
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	11	11.1	11.3	15.2	9.1	2.722	1.65	9.32	10.2	12.	14.72
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	11	7.	6.091	11.	2.	8.691	2.948	2.	2.	8.	10.4
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	11	19.	20.545	36.	11.	72.073	8.49	11.2	12.	26.	35.2
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	11	8.44	8.388	9.04	7.66	0.194	0.441	7.71	7.95	8.74	9.01
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	11	8.44	8.192	9.04	7.66	0.237	0.486	7.71	7.95	8.74	9.01
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	11	0.004	0.006	0.022	0.001	0.	0.006	0.001	0.002	0.011	0.02
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	30.	36.091	91.	10.	433.891	20.83	12.6	27.	40.	83.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	9.	9.364	21.	2.	32.255	5.679	2.2	6.	15.	19.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	23.	26.727	70.	8.	263.618	16.236	9.4	17.	31.	63.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	0.67	1.469	7.5	0.04	4.812	2.194	0.044	0.12	2.3	6.54
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	0.15	0.181	0.59	0.01	0.024	0.156	0.016	0.1	0.22	0.524
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	0.41	0.687	1.45	0.23	0.191	0.437	0.246	0.32	1.11	1.41
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	11	1.9	3.073	11.	0.8	9.858	3.14	0.86	1.1	3.3	10.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	11	0.2	0.191	0.3	0.1	0.003	0.054	0.1	0.2	0.2	0.28
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	11	0.05	0.066	0.17	0.02	0.002	0.05	0.02	0.03	0.11	0.162
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	8	6.45	5.513	6.8	3.5	2.13	1.459	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	2	89.	89.	103.	75.	392.	19.799	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	9	0.13	0.144	0.32	0.01	0.01	0.101	0.01	0.065	0.23	0.32
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	11	100.	295.455	1500.	50.	185227.273	430.38	50.	50.	400.	1300.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	11	2.	2.159	3.176	1.699	0.273	0.522	1.699	1.699	2.602	3.081
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			144.245								

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

Annual Analysis for 1989 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	13	23.1	18.815	28.8	1.1	81.293	9.016	3.22	11.1	26.25	28.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	10	18.75	20.17	34.	9.1	71.353	8.447	9.49	14.125	26.5	34.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	7	206.	221.	413.	146.	8072.667	89.848	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	4	157.5	167.75	210.	146.	822.917	28.687	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	13	9.5	8.9	11.9	6.4	3.392	1.842	6.6	7.05	10.35	11.62
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	11	4.	5.636	24.	2.	40.255	6.345	2.	2.	5.	20.8
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	11	19.	18.818	30.	6.	47.564	6.897	7.	15.	25.	29.4
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	13	7.37	7.393	8.4	6.9	0.121	0.348	7.004	7.22	7.49	8.052
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	13	7.37	7.303	8.4	6.9	0.13	0.361	7.004	7.22	7.49	8.052
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	13	0.043	0.05	0.126	0.004	0.001	0.029	0.014	0.032	0.06	0.103
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	11	7.5	7.5	8.	7.2	0.05	0.224	7.22	7.3	7.6	7.92
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	11	7.5	7.453	8.	7.2	0.052	0.229	7.22	7.3	7.6	7.92
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	11	0.032	0.035	0.063	0.01	0.	0.016	0.013	0.025	0.05	0.061
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	11	47.	47.091	66.	35.	74.091	8.608	35.6	39.	53.	63.6
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	10	138.5	153.3	274.	111.	2363.567	48.617	111.5	116.75	173.5	264.7
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	10	29.	33.	59.	21.	166.667	12.91	21.1	22.75	40.5	58.2
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	10	111.5	120.3	215.	89.	1480.011	38.471	89.1	92.25	137.25	207.9
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	20.	22.091	32.	13.	32.691	5.718	14.	18.	27.	31.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	6.	5.909	11.	1.	10.291	3.208	1.4	3.	8.	10.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	15.	16.182	24.	10.	21.564	4.644	10.2	12.	21.	23.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.225	1.204	4.35	0.02	2.548	1.596	0.041	0.143	2.878	4.017
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.03	0.041	0.13	0.005	0.001	0.037	0.007	0.013	0.055	0.118
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	0.39	0.485	1.	0.13	0.054	0.233	0.166	0.35	0.62	0.93
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	12	0.7	2.033	6.5	0.4	4.944	2.224	0.43	0.525	3.925	6.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	12	0.1	0.15	0.3	0.1	0.005	0.067	0.1	0.1	0.2	0.27
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	12	0.06	0.071	0.18	0.005	0.002	0.046	0.013	0.043	0.1	0.162
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	11	4.8	4.991	8.6	2.6	3.215	1.793	2.68	3.	6.1	8.28
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	10	56.	54.5	66.	40.	55.389	7.442	40.6	50.5	59.	65.6
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	10	14.5	18.4	60.	8.	236.267	15.371	8.1	9.75	20.	56.3
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	9	16.	22.	50.	13.	136.25	11.673	13.	14.5	26.	50.
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	10	0.125	0.109	0.16	0.05	0.002	0.044	0.05	0.05	0.15	0.159
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	11	100.	286.364	1100.	50.	160045.455	400.057	50.	50.	500.	1080.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	11	2.	2.112	3.041	1.699	0.289	0.537	1.699	1.699	2.699	3.033
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			129.507								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	12	17.25	17.858	29.8	6.	62.863	7.929	6.78	10.825	25.75	29.62
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	12	16.1	27.542	126.	6.8	1075.528	32.795	8.03	13.05	24.375	102.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	11	154.	161.727	270.	82.	3219.218	56.738	82.6	115.	193.	259.2
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	12	9.05	9.158	12.	6.2	2.583	1.607	6.65	8.025	10.375	11.61
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	12	2.5	2.5	4.	1.	1.727	1.314	1.	1.	4.	4.
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	12	12.5	13.25	30.	7.	35.477	5.956	7.	11.	13.75	26.1
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	12	7.345	7.397	7.96	7.02	0.069	0.263	7.05	7.21	7.55	7.894
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	12	7.345	7.334	7.96	7.02	0.073	0.271	7.05	7.21	7.55	7.894
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	12	0.045	0.046	0.095	0.011	0.001	0.024	0.013	0.029	0.062	0.09
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	12	7.2	7.175	8.	6.8	0.106	0.325	6.83	6.9	7.3	7.82
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	12	7.2	7.09	8.	6.8	0.114	0.337	6.83	6.9	7.3	7.82
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	12	0.063	0.081	0.158	0.01	0.002	0.045	0.019	0.05	0.126	0.149
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	12	45.5	43.083	60.	25.	107.72	10.379	25.3	36.25	49.	57.6
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	12	114.5	136.417	261.	100.	2202.083	46.926	100.	107.	159.25	236.7
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	12	25.5	31.083	73.	17.	256.992	16.031	17.	20.5	36.	65.5
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	12	89.5	105.333	188.	75.	1176.788	34.304	75.6	83.25	123.25	176.6

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

Annual Analysis for 1990 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	15.5	23.25	93.	12.	521.295	22.832	12.	12.	26.	74.1
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	4.	5.167	14.	0.5	20.47	4.524	0.5	1.25	9.25	13.1
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	12	11.5	18.167	79.	6.	397.061	19.926	6.6	10.	17.25	63.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	0.15	0.17	0.46	0.02	0.017	0.132	0.02	0.09	0.27	0.424
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	0.02	0.059	0.3	0.01	0.007	0.085	0.01	0.01	0.08	0.26
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	11	0.39	0.403	0.69	0.26	0.02	0.14	0.264	0.29	0.54	0.662
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	11	0.6	0.655	0.9	0.4	0.035	0.186	0.42	0.5	0.8	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	11	0.1	0.105	0.2	0.05	0.003	0.052	0.05	0.05	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	11	0.06	0.062	0.15	0.03	0.001	0.033	0.032	0.04	0.07	0.136
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	12	4.1	3.683	4.6	1.5	0.796	0.892	1.89	3.	4.2	4.51
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	12	57.	57.167	84.	30.	237.424	15.409	31.2	49.	68.	80.4
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	12	8.5	11.167	25.	3.	46.697	6.834	3.3	5.75	15.5	23.8
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	12	13.5	15.5	31.	7.	47.364	6.882	7.3	10.25	19.	28.6
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	12 ##	0.05	0.079	0.15	0.025	0.002	0.044	0.033	0.05	0.13	0.147
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	11	100.	222.727	600.	50.	42681.818	206.596	50.	50.	400.	580.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	11	2.	2.139	2.778	1.699	0.215	0.464	1.699	1.699	2.602	2.762
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			137.7								

** - 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 1991 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	11	19.4	18.255	28.	6.1	70.215	8.379	6.48	10.3	26.8	27.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	11	22.	25.782	70.	10.5	262.254	16.194	11.4	15.1	31.	62.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	11	182.	205.	345.	105.	5560.8	74.571	111.8	153.	260.	340.6
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	10	8.7	9.07	11.6	5.7	3.485	1.867	5.88	7.875	10.8	11.58
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	11	2.	2.364	4.	1.	1.455	1.206	1.	1.	4.	4.
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	11	16.	16.909	28.	6.	50.091	7.077	6.8	10.	24.	27.8
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	11	7.17	7.145	7.41	6.8	0.039	0.198	6.826	6.97	7.33	7.4
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	11	7.17	7.103	7.41	6.8	0.041	0.203	6.826	6.97	7.33	7.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	11	0.068	0.079	0.158	0.039	0.001	0.037	0.04	0.047	0.107	0.15
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	11	7.3	7.355	7.7	7.	0.067	0.258	7.	7.2	7.6	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	11	7.3	7.288	7.7	7.	0.072	0.268	7.	7.2	7.6	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	11	0.05	0.052	0.1	0.02	0.001	0.029	0.02	0.025	0.063	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	11	47.	48.909	64.	36.	81.491	9.027	36.2	43.	58.	63.2
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	11	137.	151.	262.	105.	2298.4	47.942	106.	119.	196.	249.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	10	32.	34.5	70.	21.	186.278	13.648	21.4	26.5	36.25	67.
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	11	107.	117.545	192.	65.	1513.073	38.898	69.	92.	163.	186.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	24.	25.273	47.	13.	104.818	10.238	13.6	16.	32.	44.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	5.	5.727	10.	2.	6.418	2.533	2.2	4.	8.	9.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	18.	19.545	37.	9.	65.873	8.116	9.6	13.	26.	35.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.125	0.162	0.41	0.02	0.018	0.133	0.022	0.048	0.263	0.405
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.015	0.048	0.16	0.01	0.003	0.057	0.01	0.01	0.088	0.158
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.41	0.441	0.91	0.24	0.041	0.204	0.242	0.29	0.483	0.886
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	10	0.8	0.76	1.1	0.3	0.052	0.227	0.32	0.65	0.9	1.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	10	0.1	0.11	0.2	0.1	0.001	0.032	0.1	0.1	0.1	0.19
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	10	0.045	0.045	0.08	0.02	0.	0.018	0.021	0.03	0.06	0.078
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	11	3.6	3.936	6.3	2.6	1.575	1.255	2.64	3.	4.6	6.24
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	11	62.	69.364	112.	48.	432.055	20.786	48.8	58.	74.	110.8
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	10	14.	15.6	37.	4.	99.156	9.958	4.3	7.75	19.	36.1
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	10	17.	19.5	39.	10.	86.056	9.277	10.2	13.5	22.5	38.4
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	10	0.145	0.14	0.21	0.05	0.002	0.049	0.055	0.1	0.185	0.209
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	11 ##	50.	168.182	900.	50.	69636.364	263.887	50.	50.	100.	800.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	11 ##	1.699	1.95	2.954	1.699	0.188	0.434	1.699	1.699	2.	2.884
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			89.108								

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

Annual Analysis for 1992 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	10	19.6	17.35	30.9	5.2	79.738	8.93	5.3	8.75	25.175	30.47
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	10	20.5	26.21	50.	16.	161.285	12.7	16.05	18.075	32.5	49.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	10	169.5	181.5	275.	91.	2876.5	53.633	96.8	149.	224.25	270.9
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	2	11.1	11.1	11.3	10.9	0.08	0.283	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	10	2.5	2.7	5.	1.	1.789	1.337	1.	1.75	4.	4.9
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	10	14.5	15.9	29.	8.	38.322	6.19	8.1	12.	19.75	28.3
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	10	7.26	7.321	8.08	6.71	0.236	0.485	6.727	6.88	7.7	8.072
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	10	7.202	7.123	8.08	6.71	0.279	0.528	6.727	6.88	7.7	8.072
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	10	0.063	0.075	0.195	0.008	0.004	0.064	0.008	0.021	0.132	0.189
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	10	7.6	7.63	8.	7.3	0.058	0.241	7.3	7.45	7.825	7.99
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	10	7.6	7.572	8.	7.3	0.062	0.248	7.3	7.45	7.825	7.99
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	10	0.025	0.027	0.05	0.01	0.	0.014	0.01	0.015	0.036	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	10	47.	44.6	55.	25.	81.6	9.033	26.	40.25	50.25	54.9
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	10	131.5	141.7	187.	108.	802.678	28.332	108.7	117.25	169.5	186.3
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	10	29.	32.2	46.	26.	44.622	6.68	26.1	27.	37.	45.4
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	10	99.5	109.5	153.	80.	591.611	24.323	80.8	91.	131.	151.7
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	25.5	24.4	34.	15.	41.6	6.45	15.2	17.75	29.	33.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	5.	5.1	8.	3.	3.656	1.912	3.	3.	6.5	8.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	10	19.5	19.3	29.	12.	28.9	5.376	12.2	14.75	21.75	28.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.15	0.168	0.5	0.04	0.017	0.132	0.043	0.07	0.2	0.473
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.025	0.05	0.12	0.02	0.002	0.042	0.02	0.02	0.103	0.119
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	10	0.35	0.39	0.67	0.12	0.025	0.157	0.138	0.308	0.52	0.661
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	10	0.7	0.78	1.1	0.5	0.053	0.23	0.51	0.6	1.025	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	10	0.1	0.14	0.2	0.1	0.003	0.052	0.1	0.1	0.2	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	10	0.04	0.046	0.07	0.03	0.	0.015	0.03	0.03	0.06	0.069
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	10	6.55	7.34	23.5	3.2	34.94	5.911	3.24	3.975	7.4	21.92
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	11	60.	57.909	74.	30.	130.891	11.441	34.4	54.	64.	72.8
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	10	11.5	12.6	25.	6.	40.044	6.328	6.	6.75	16.75	24.4
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	10	16.5	18.9	32.	9.	48.544	6.967	9.5	14.75	24.25	31.6
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	10 ##	0.05	0.108	0.25	0.03	0.007	0.086	0.032	0.05	0.175	0.25
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10	100.	175.	800.	50.	51250.	226.385	50.	50.	200.	740.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10	2.	2.06	2.903	1.699	0.137	0.37	1.699	1.699	2.301	2.843
31616p	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 1993 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	8	16.2	15.975	29.1	0.5	115.805	10.761	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	7	20.	35.643	112.	15.	1244.06	35.271	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	3	118.	168.333	285.	102.	10272.333	101.353	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	4	168.	201.	363.	105.	12658.667	112.511	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	6	8.85	8.917	10.5	7.8	1.11	1.053	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	8	3.	2.875	4.	1.	0.982	0.991	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	10	13.5	14.7	25.	8.	27.567	5.25	8.1	10.5	18.25	24.4
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	8	7.125	7.131	7.7	6.62	0.1	0.316	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	8	7.122	7.035	7.7	6.62	0.111	0.333	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	8	0.076	0.092	0.24	0.02	0.005	0.068	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	7	7.8	7.729	8.5	6.8	0.306	0.553	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	7	7.8	7.419	8.5	6.8	0.418	0.646	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	7	0.016	0.038	0.158	0.003	0.003	0.055	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	8	43.	43.125	69.	22.	238.696	15.45	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	8	131.5	142.75	237.	90.	2607.357	51.062	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	8	24.	25.625	47.	9.	224.839	14.995	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	8	103.	122.125	207.	77.	2512.982	50.13	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	8	25.5	28.5	57.	12.	166.571	12.906	**	**	**	**

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Annual Analysis for 1993 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	8	7.5	6.75	12.	2.	9.357	3.059	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	8	21.	21.75	45.	10.	109.071	10.444	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	9	0.15	0.163	0.38	0.04	0.008	0.092	0.04	0.12	0.18	0.38
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	9	0.03	0.074	0.22	0.01	0.006	0.077	0.01	0.025	0.145	0.22
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	9	0.32	0.39	0.79	0.09	0.05	0.223	0.09	0.26	0.555	0.79
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	10	0.95	0.92	1.4	0.5	0.1	0.316	0.51	0.6	1.2	1.38
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	10	0.1	0.17	0.5	0.1	0.016	0.125	0.1	0.1	0.2	0.47
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	9	0.04	0.044	0.07	0.02	0.	0.017	0.02	0.03	0.06	0.07
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	9	5.	5.411	9.5	2.9	4.761	2.182	2.9	3.85	6.9	9.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	10	58.	64.8	122.	36.	716.622	26.77	36.	43.5	77.5	119.2
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	8	10.5	15.375	42.	5.	189.411	13.763	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	8	15.	19.375	42.	8.	154.839	12.443	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10	100.	130.	300.	50.	7888.889	88.819	50.	50.	200.	290.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	10	2.	2.018	2.477	1.699	0.095	0.309	1.699	1.699	2.301	2.46
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			104.138								

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

Annual Analysis for 1994 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	7	12.7	14.9	28.5	3.1	95.957	9.796	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	3	16.2	17.9	27.	10.5	70.23	8.38	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	5	212.	209.	277.	104.	4671.5	68.348	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	7	243.	211.571	250.	146.	2095.619	45.778	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	3	9.8	10.9	13.8	9.1	6.43	2.536	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	7	4.	4.	5.6	1.5	2.217	1.489	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	7	19.	16.857	21.	10.	18.81	4.337	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	7	7.55	7.609	8.48	7.09	0.284	0.533	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	7	7.55	7.407	8.48	7.09	0.331	0.576	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	7	0.028	0.039	0.081	0.003	0.001	0.031	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	8	7.15	7.138	7.6	6.7	0.077	0.277	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	8	7.147	7.062	7.6	6.7	0.083	0.289	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	8	0.071	0.087	0.2	0.025	0.003	0.055	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	8	46.5	44.25	53.	26.	75.929	8.714	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	8	160.5	149.375	189.	106.	988.554	31.441	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	8	33.	37.25	83.	15.	441.929	21.022	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	8	115.	112.125	131.	86.	333.268	18.256	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	8	21.5	23.875	42.	15.	80.125	8.951	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	7	6.	5.714	8.	3.	3.905	1.976	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	8	16.	17.5	36.	4.	89.143	9.442	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	7	0.19	0.306	0.78	0.05	0.097	0.312	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	7	0.03	0.05	0.1	0.01	0.001	0.036	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	7	0.33	0.341	0.46	0.22	0.008	0.089	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	7	1.1	0.943	1.3	0.4	0.143	0.378	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	7	0.09	0.09	0.16	0.03	0.002	0.044	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	3	0.04	0.04	0.05	0.03	0.	0.01	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	7	5.5	4.986	6.1	3.	1.535	1.239	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	7	62.	56.	65.	37.	113.667	10.661	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	8	21.	18.625	29.	7.	71.125	8.434	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	8	23.	22.	35.	10.	77.714	8.816	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	3	540.	468.333	790.	75.	131658.333	362.848	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	3	2.732	2.502	2.898	1.875	0.301	0.549	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			317.464								

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

Annual Analysis for 1995 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	12	18.65	17.975	30.5	5.6	81.462	9.026	5.96	8.5	26.05	29.96
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	6	202.5	235.167	354.	136.	7998.567	89.435	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	11	214.	217.273	383.	118.	6800.218	82.463	118.4	164.	261.	372.8
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	11	3.	2.818	4.5	1.	1.502	1.225	1.	1.2	3.9	4.4
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	11	18.	18.364	24.	11.	17.055	4.13	11.6	16.	22.	24.
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	12	7.505	7.537	8.4	6.93	0.166	0.408	6.984	7.215	7.718	8.301
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	12	7.505	7.392	8.4	6.93	0.189	0.435	6.984	7.215	7.717	8.301
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	12	0.031	0.041	0.117	0.004	0.001	0.033	0.005	0.019	0.061	0.106
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	11	7.2	7.264	7.7	6.7	0.135	0.367	6.74	6.9	7.7	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	11	7.2	7.132	7.7	6.7	0.154	0.392	6.74	6.9	7.7	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	11	0.063	0.074	0.2	0.02	0.003	0.058	0.02	0.02	0.126	0.185
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	11	44.	47.091	64.	31.	128.291	11.327	31.4	39.	58.	63.8
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	10	154.	161.4	236.	114.	1692.267	41.137	114.5	125.75	194.	234.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	10	29.5	31.8	44.	21.	69.733	8.351	21.3	25.5	41.75	44.
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	10	129.	129.6	192.	87.	1307.378	36.158	87.3	92.25	159.	190.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	32.	33.	44.	23.	36.2	6.017	23.8	29.	37.	43.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	8.	7.455	10.	4.	5.273	2.296	4.	5.	9.	10.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	11	26.	25.545	35.	19.	23.073	4.803	19.	21.	28.	34.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.165	0.199	0.39	0.02	0.017	0.131	0.035	0.093	0.348	0.387
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.035	0.047	0.16	0.01	0.002	0.042	0.013	0.02	0.07	0.136
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	12	0.325	0.314	0.49	0.12	0.012	0.112	0.141	0.215	0.413	0.469
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	12	0.7	0.658	0.9	0.4	0.034	0.183	0.4	0.45	0.8	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	12	0.105	0.099	0.17	0.03	0.002	0.047	0.03	0.048	0.138	0.161
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	11	7.1	7.282	10.6	4.3	4.096	2.024	4.32	5.7	9.	10.34
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	11	60.	60.364	94.	30.	359.655	18.965	31.8	44.	74.	91.6
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	11	16.	18.636	45.	7.	142.055	11.919	7.	10.	22.	43.2
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	11	21.	21.727	36.	10.	74.818	8.65	10.2	16.	26.	36.

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

Annual Analysis for 1996 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	7	19.3	16.457	28.3	4.6	102.01	10.1	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	7	169.	169.571	212.	119.	1127.952	33.585	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	7	147.	152.571	186.	109.	798.952	28.266	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	7	2.	2.	3.	1.	1.	1.	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	7	14.	14.429	22.	11.	14.952	3.867	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	7	7.33	7.526	8.52	7.09	0.248	0.498	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	7	7.33	7.368	8.52	7.09	0.276	0.526	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	7	0.047	0.043	0.081	0.003	0.001	0.028	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	7	7.3	7.357	7.8	7.	0.103	0.321	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	7	7.3	7.265	7.8	7.	0.113	0.336	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	7	0.05	0.054	0.1	0.016	0.001	0.035	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	7	40.	38.714	49.	29.	43.571	6.601	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	7	123.	131.429	185.	110.	703.619	26.526	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	7	27.	29.714	58.	17.	183.571	13.549	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	7	100.	101.714	156.	52.	968.238	31.117	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	7	32.	43.286	129.	18.	1467.905	38.313	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	7	5.	6.429	13.	3.	12.286	3.505	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	7	24.	36.857	116.	14.	1243.476	35.263	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	8	0.145	0.156	0.24	0.06	0.004	0.061	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	8	0.025	0.027	0.05	0.005	0.	0.016	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	8	0.265	0.265	0.43	0.11	0.011	0.105	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	8	0.65	0.625	0.9	0.3	0.056	0.238	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	8	0.1	0.096	0.11	0.08	0.	0.012	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	7	5.5	5.286	6.6	3.8	0.825	0.908	**	**	**	**

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

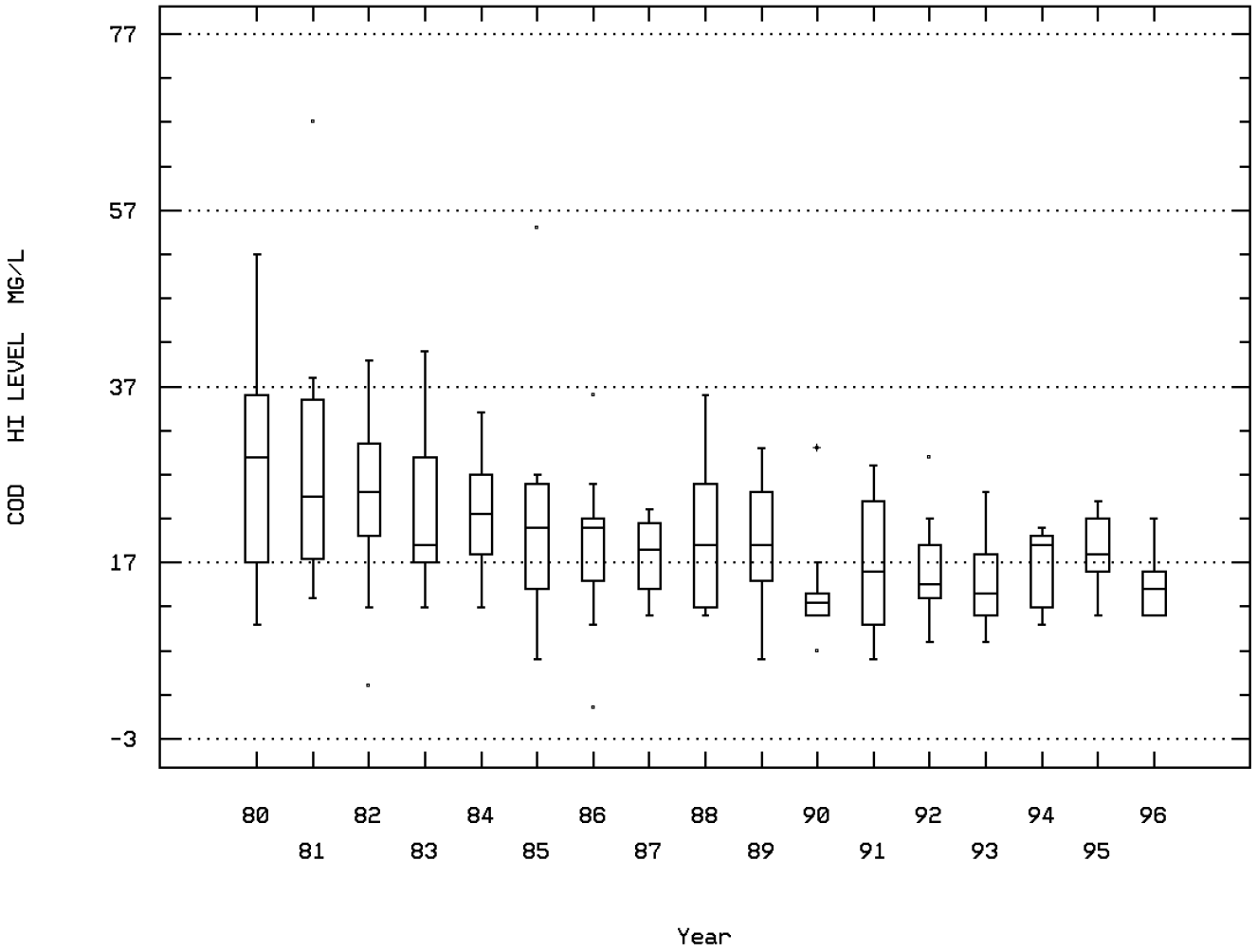
Annual Analysis for 1996 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	7	50.	53.857	100.	22.	542.143	23.284	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	7	12.	10.857	17.	6.	12.81	3.579	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	7	12.	13.	17.	9.	7.667	2.769	**	**	**	**

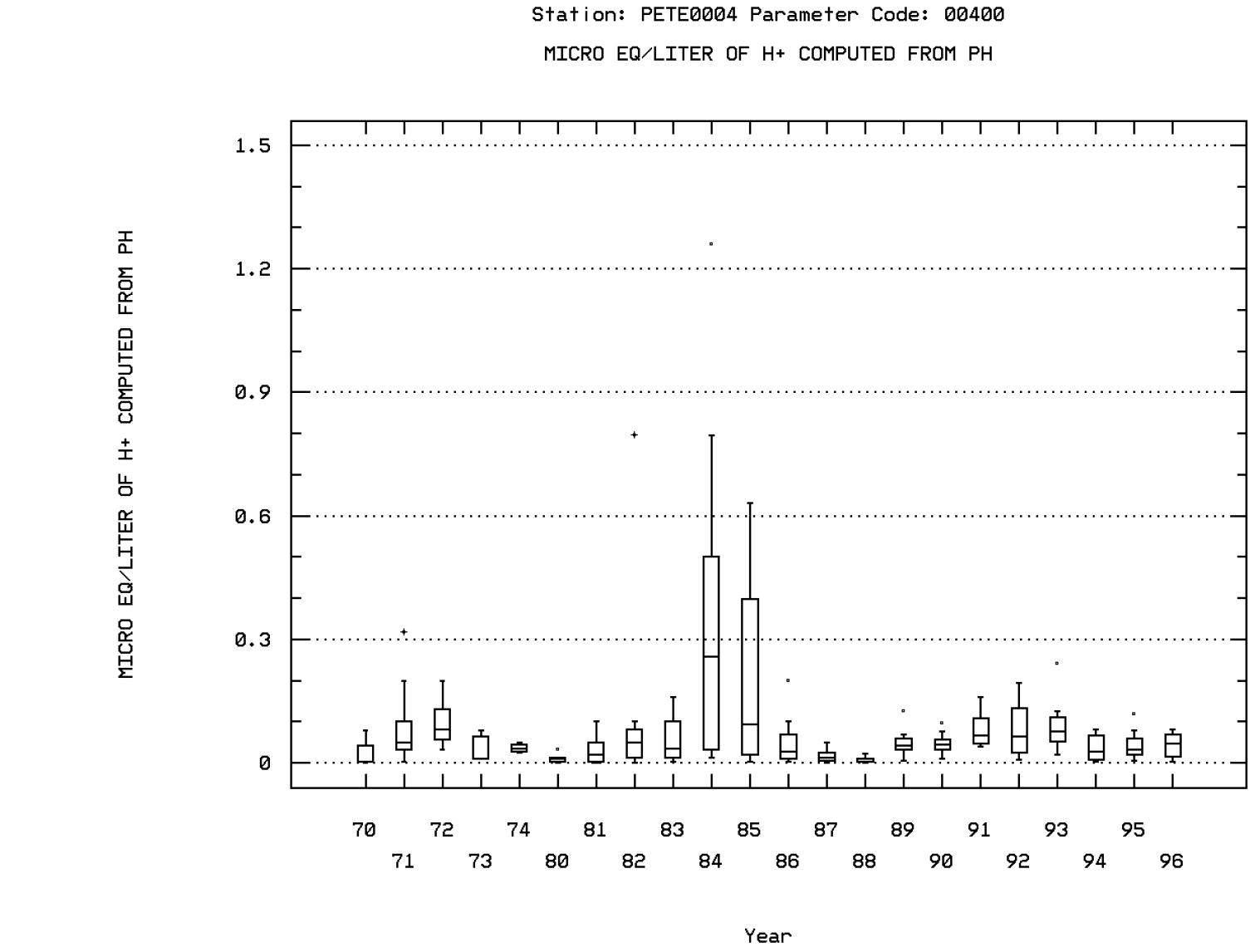
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PETE0004 Parameter Code: 00340

COD, .25N K2CR2O7



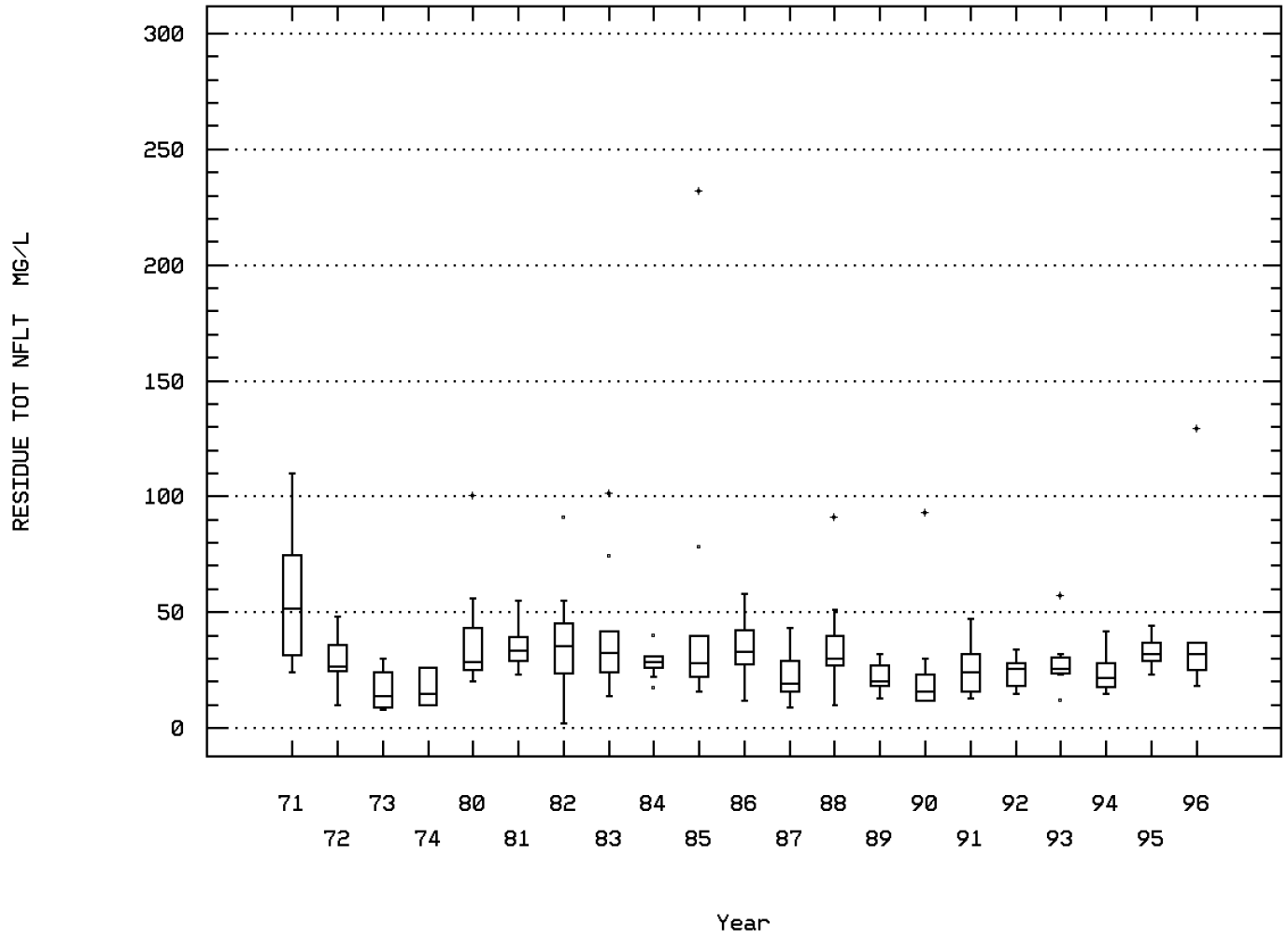
RT. 156 BRIDGE BELOW HOPEWELL



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00530

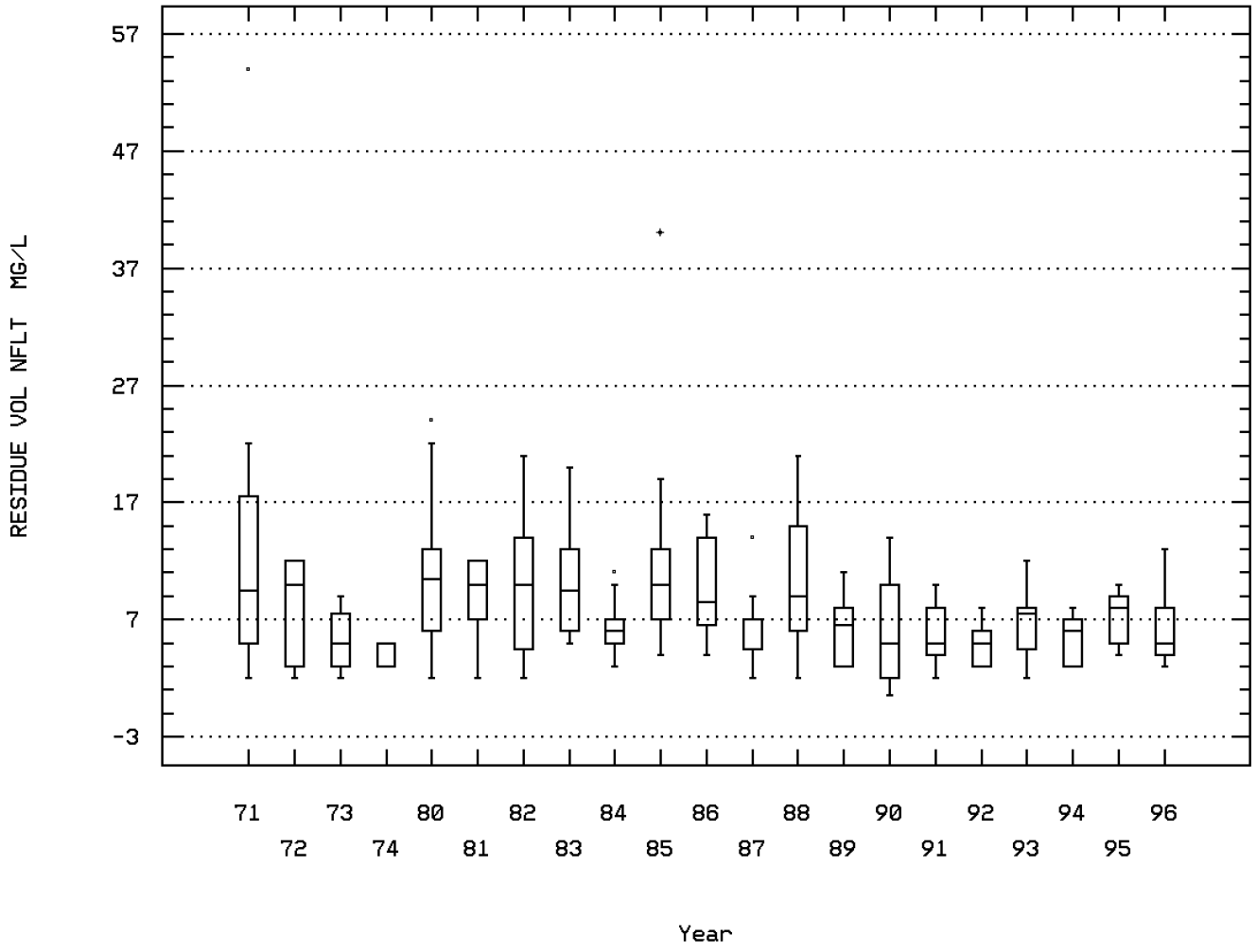
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00535

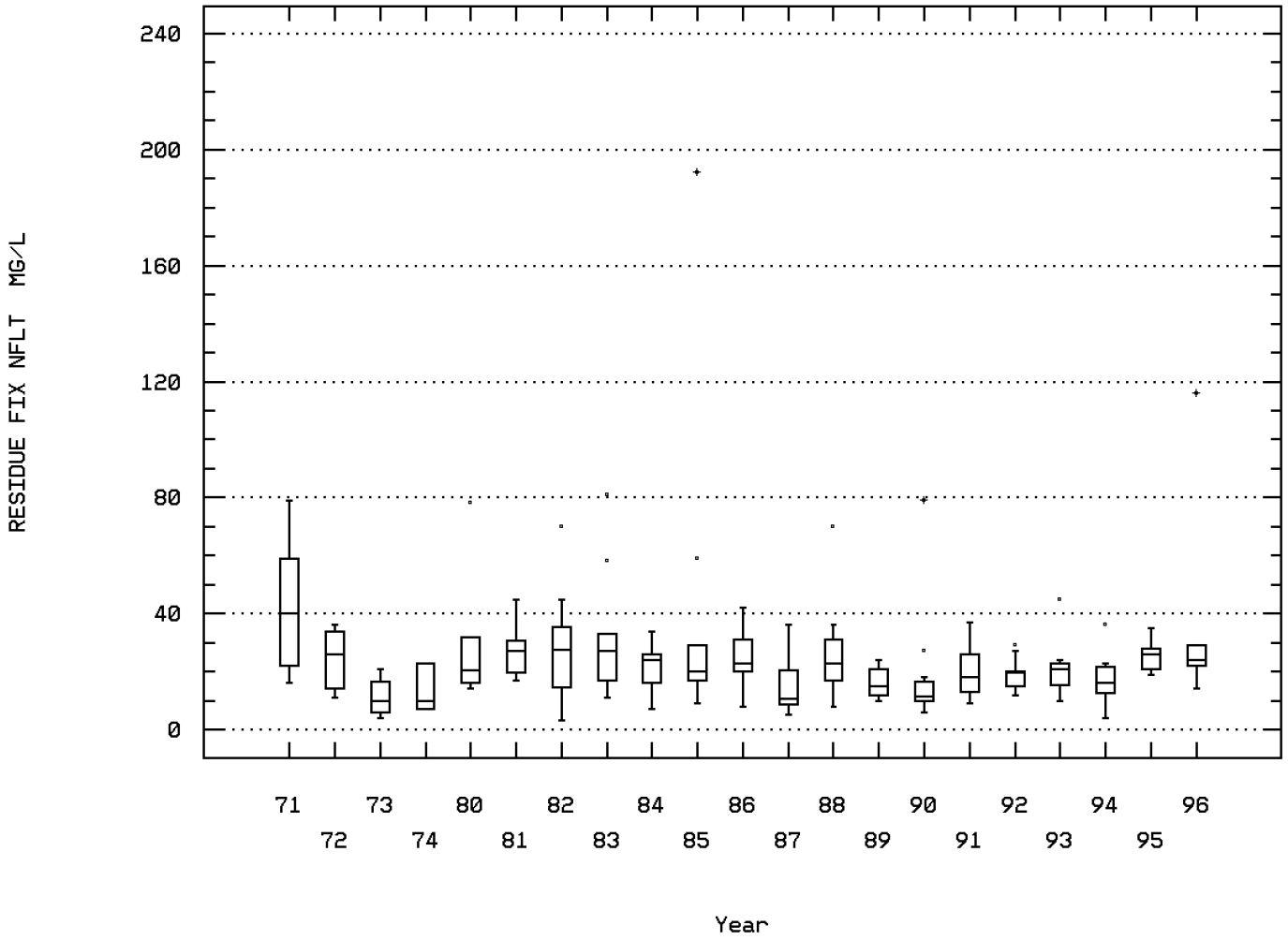
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00540

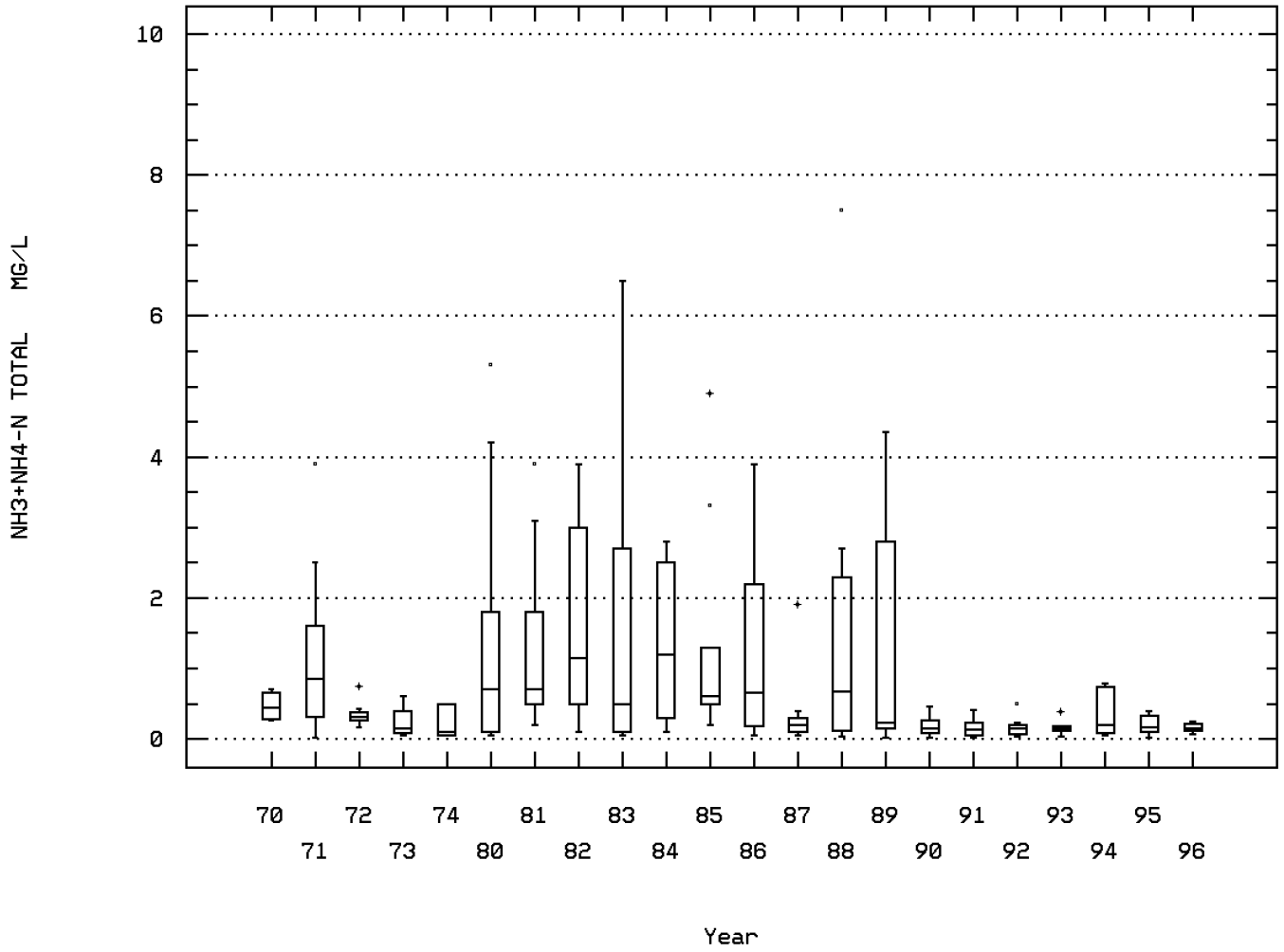
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00610

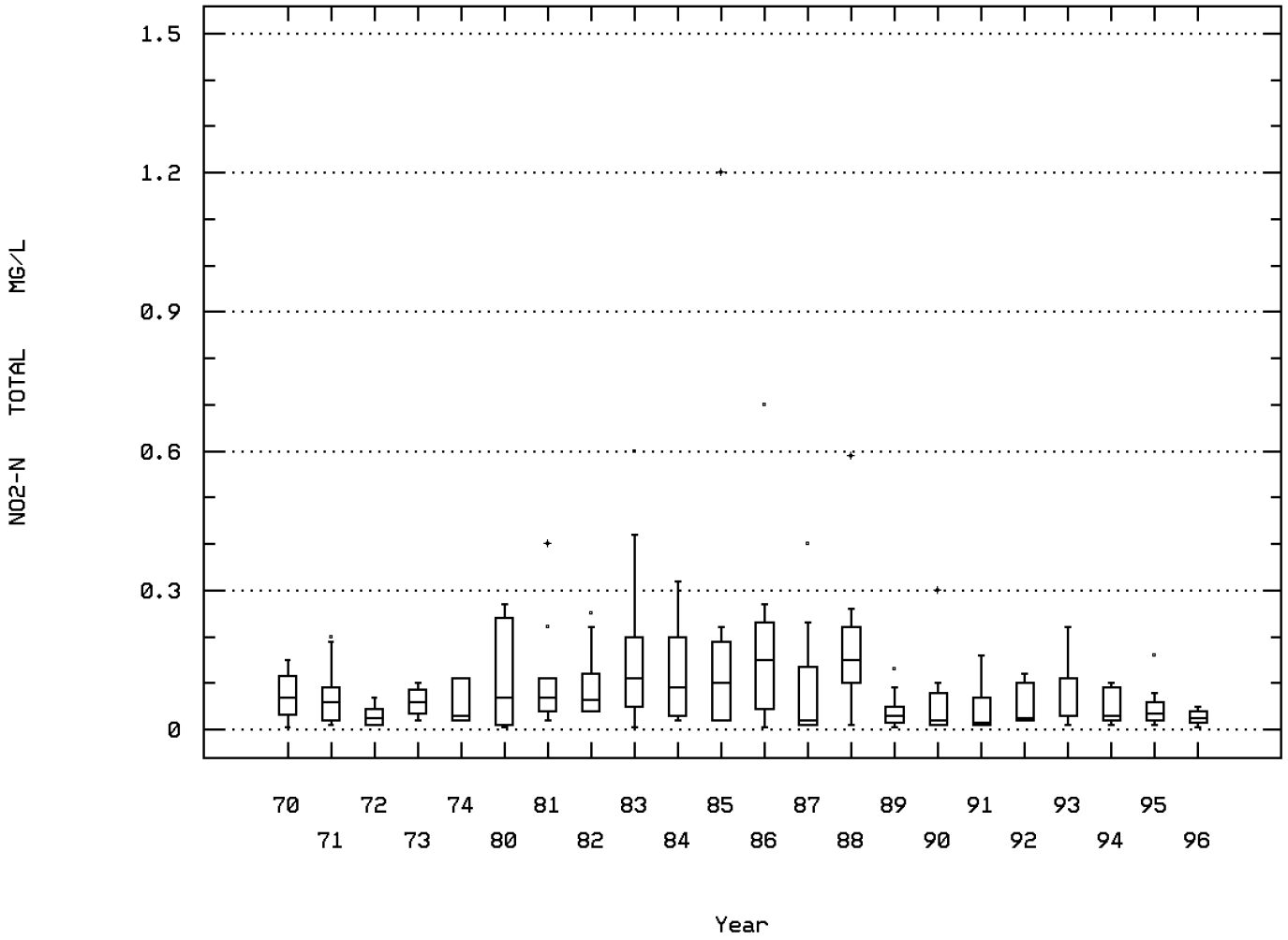
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00615

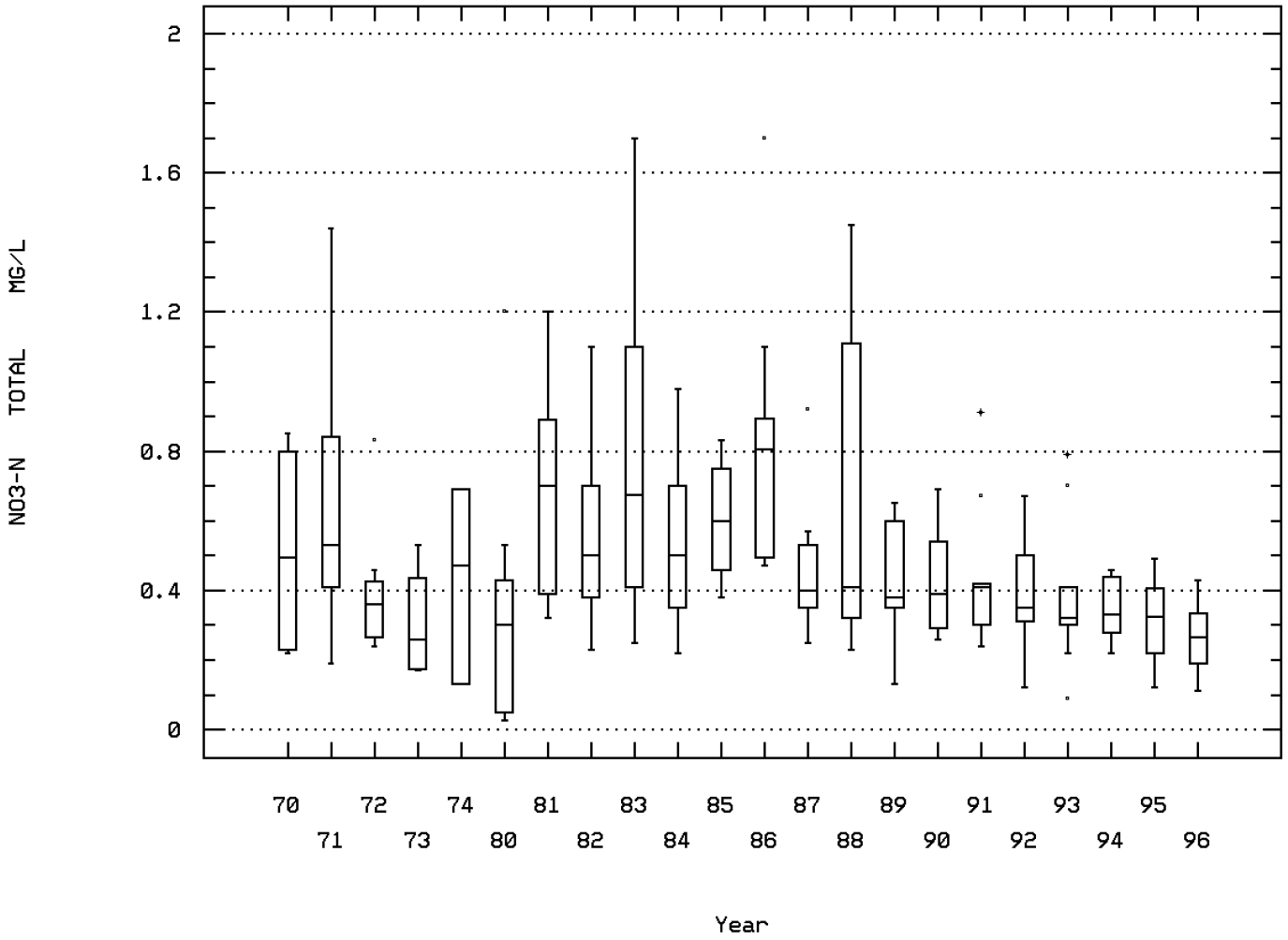
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00620

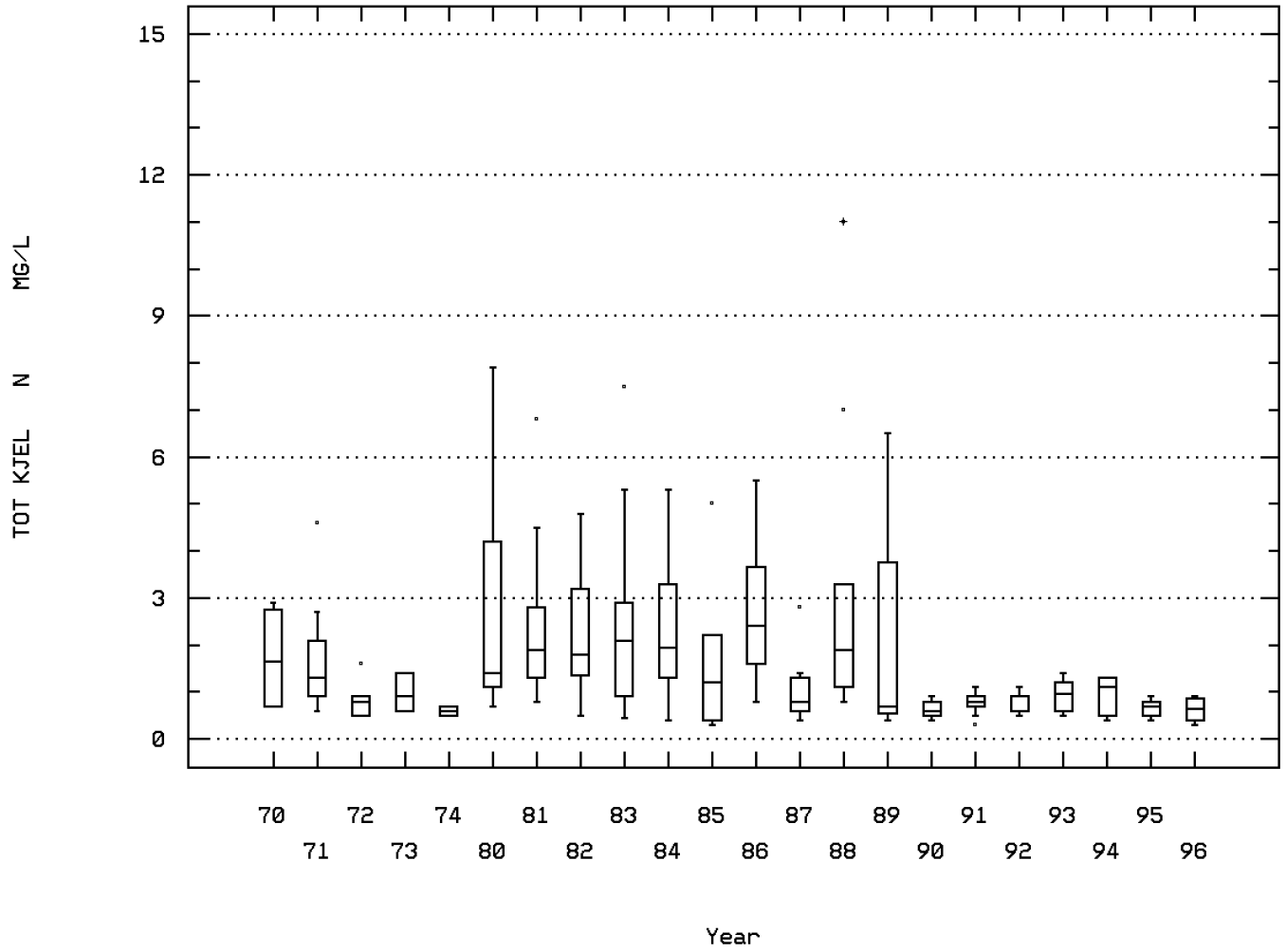
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00625

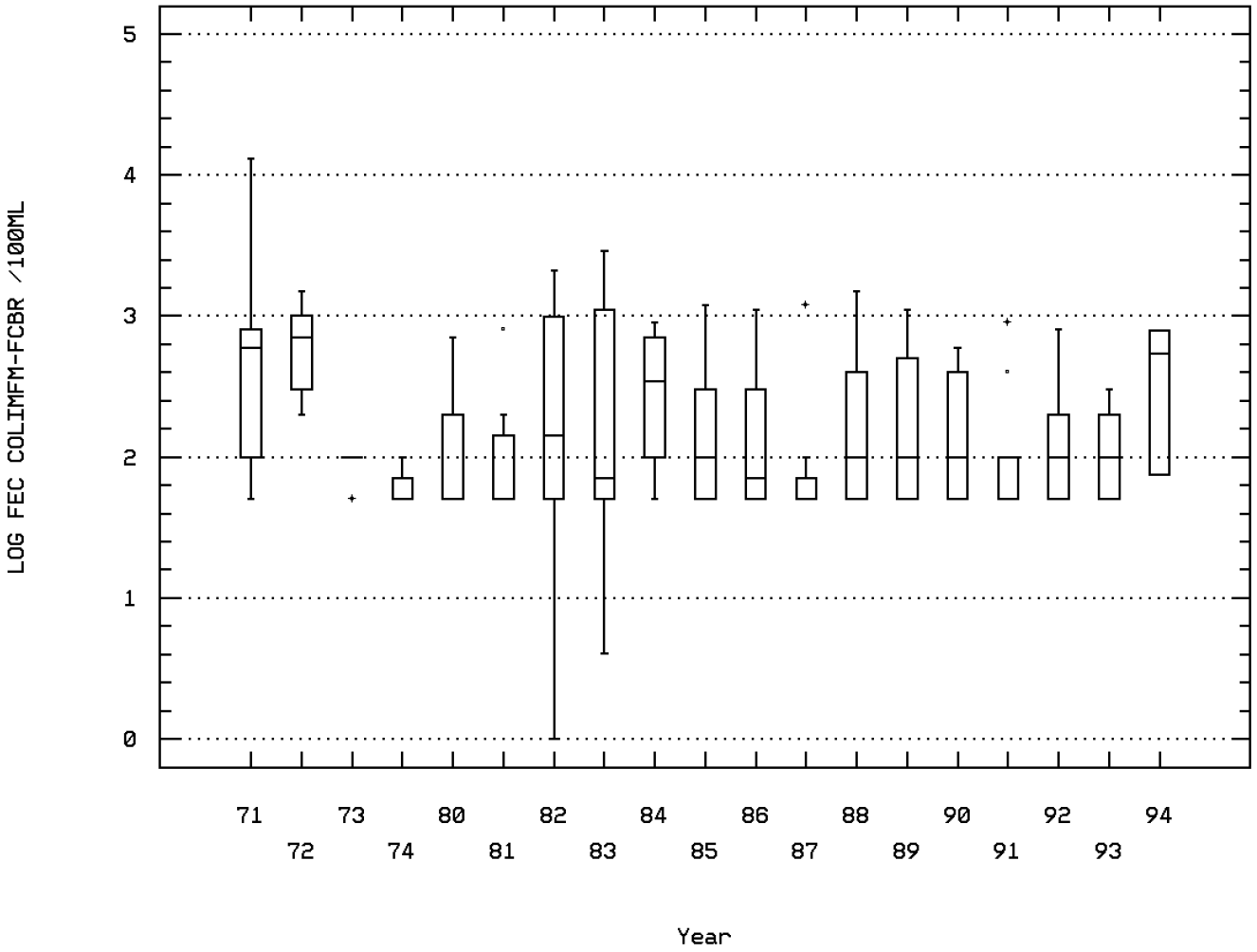
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



RT. 156 BRIDGE BELOW HOPEWELL

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	79	27.6	26.076	32.2	3.1	19.65	4.433	21.7	24.5	28.7	29.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	15	16.3	17.18	27.	2.8	41.152	6.415	6.58	15.	21.	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	38	272.	281.579	500.	101.	7877.494	88.755	186.5	220.25	339.	405.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	20	213.	232.4	499.	118.	7860.568	88.66	147.1	177.5	267.75	377.
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	69	7.7	7.994	12.2	3.6	3.532	1.879	6.	6.65	9.1	11.
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	53	5.	5.185	10.	0.5	5.926	2.434	2.	3.	7.	8.6
00340	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	51	20.	20.961	38.	8.	40.838	6.39	13.	16.	26.	29.
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	79	7.8	7.817	9.1	6.7	0.378	0.615	7.	7.33	8.29	8.71
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	79	7.8	7.46	9.1	6.7	0.507	0.712	7.	7.33	8.29	8.71
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	79	0.016	0.035	0.2	0.001	0.002	0.045	0.002	0.005	0.047	0.1
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	21	7.6	7.557	8.	7.	0.059	0.242	7.3	7.35	7.7	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	21	7.6	7.491	8.	7.	0.063	0.251	7.3	7.35	7.7	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	21	0.025	0.032	0.1	0.01	0.	0.02	0.011	0.02	0.045	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	24	49.	49.625	64.	33.	69.114	8.313	37.5	45.25	56.5	61.
00500p	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	37	163.	163.622	236.	93.	1340.353	36.611	116.2	132.	189.5	217.
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	37	34.	36.081	71.	0.	231.743	15.223	12.8	28.5	45.	61.4
00510p	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	37	124.	128.622	199.	73.	1168.908	34.189	86.	100.5	156.5	174.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	71	28.	32.056	110.	8.	328.854	18.134	14.6	22.	37.	50.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	71	8.	9.176	54.	0.5	51.901	7.204	2.2	5.	12.	15.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	68	20.	23.015	72.	4.	203.656	14.271	8.	14.	28.75	36.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	75	0.17	0.337	2.7	0.01	0.269	0.519	0.046	0.06	0.31	0.76
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	76	0.1	0.155	1.2	0.005	0.035	0.186	0.01	0.04	0.215	0.323
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	75	0.45	0.532	1.439	0.05	0.106	0.325	0.198	0.28	0.71	1.04
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	77	1.	1.251	5.3	0.4	0.655	0.809	0.58	0.7	1.4	2.599
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	56	0.1	0.14	0.3	0.03	0.004	0.064	0.05	0.1	0.2	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	47	0.05	0.065	0.6	0.	0.008	0.088	0.028	0.03	0.07	0.086
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	52	6.85	8.635	21.	3.8	19.438	4.409	4.13	5.325	11.	15.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	21	68.	70.714	122.	44.	382.314	19.553	49.2	56.	74.	108.4
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	31	15.	16.131	45.	0.05	78.662	8.869	6.2	10.	21.	27.4
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	21	23.	23.238	36.	10.	53.39	7.307	15.2	17.	29.5	34.6
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	15	0.13	0.125	0.32	0.025	0.006	0.079	0.028	0.05	0.16	0.248
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	66 ##	50.	245.924	2100.	4.	184137.917	429.113	50.	50.	125.	860.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	66 ##	1.699	1.966	3.322	0.602	0.314	0.56	1.699	1.699	2.075	2.932
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			92.437								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/22/70-09/30/80	23 ##	0.05	0.096	0.5	0.05	0.009	0.095	0.05	0.05	0.1	0.16
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/70-08/20/96	29	0.04	0.045	0.1	0.01	0.001	0.024	0.02	0.03	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 #2: 10/16 to 3/09 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	70	8.5	9.453	20.	0.5	26.067	5.106	4.	5.575	14.	17.85
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	21	25.	36.31	126.	6.8	998.045	31.592	11.3	16.3	47.5	103.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	51	253.	293.059	830.	100.	26255.696	162.036	122.4	159.	381.	527.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	24	174.5	190.125	363.	85.	6545.766	80.906	98.	116.25	248.25	338.5
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	55	10.2	10.376	15.2	6.3	3.66	1.913	7.98	9.2	11.7	12.68
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	66	3.	3.691	24.	0.5	11.22	3.35	1.	2.	4.	6.
00340	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	67	18.	20.604	67.	0.5	122.421	11.064	10.8	13.	26.	36.
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	69	7.2	7.223	8.6	6.1	0.249	0.499	6.5	7.	7.45	7.95
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	69	7.2	6.971	8.6	6.1	0.313	0.56	6.5	7.	7.45	7.95
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	69	0.063	0.107	0.794	0.003	0.018	0.136	0.011	0.036	0.1	0.316
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	30	7.2	7.27	8.5	6.7	0.17	0.412	6.81	6.975	7.525	7.89
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	30	7.2	7.128	8.5	6.7	0.191	0.437	6.81	6.975	7.525	7.89
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	30	0.063	0.075	0.2	0.003	0.003	0.053	0.013	0.03	0.106	0.155
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	30	47.5	44.6	69.	22.	187.628	13.698	25.1	33.25	53.	63.9
00500p	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	31	146.	156.968	274.	90.	2775.232	52.68	101.6	116.	189.	256.2

** - 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: 10/16 to 3/09 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	30	29.5	35.4	83.	9.	349.559	18.696	15.2	23.5	44.75	69.9
00510p	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	31	104.	121.968	215.	77.	1616.566	40.207	84.	93.	152.	191.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	69	28.	30.928	129.	10.	350.362	18.718	14.	19.	34.	54.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	69	6.	6.891	22.	0.5	15.83	3.979	2.	4.	10.	12.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	69	20.	24.043	116.	6.	275.689	16.604	10.	14.5	27.5	45.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	70	0.38	1.077	4.7	0.02	1.836	1.355	0.1	0.175	1.5	3.83
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	70	0.04	0.066	0.42	0.005	0.006	0.076	0.01	0.02	0.093	0.189
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	69	0.47	0.605	1.7	0.025	0.124	0.353	0.29	0.37	0.805	1.11
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	70	0.9	1.789	7.4	0.3	3.342	1.828	0.4	0.6	2.325	5.16
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	68	0.1	0.149	0.3	0.03	0.005	0.072	0.068	0.1	0.2	0.219
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	58	0.085	0.105	0.28	0.005	0.004	0.062	0.04	0.06	0.143	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	63	7.	7.84	31.	1.5	24.948	4.995	3.	4.3	10.	14.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	30	57.	56.167	106.	22.	318.833	17.856	34.2	45.75	65.	80.6
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	30	11.5	20.767	103.	4.	532.461	23.075	5.	6.75	26.	58.2
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	28	15.	19.5	50.	8.	133.444	11.552	8.9	10.25	26.	39.3
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	20	0.13	0.132	0.27	0.01	0.006	0.08	0.05	0.05	0.195	0.25
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	61	200.	612.131	13000.	50.	2805493.716	1674.961	50.	100.	600.	1180.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	61	2.301	2.375	4.114	1.699	0.29	0.539	1.699	2.	2.772	3.072
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			237.217								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/22/70-09/30/80	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/70-08/20/96	11	0.07	0.071	0.14	0.02	0.001	0.033	0.024	0.04	0.09	0.132

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/70-08/20/96	71	19.3	19.08	30.	1.1	44.586	6.677	9.68	13.	24.5	27.66
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-07/07/94	19	19.	20.247	49.	10.5	75.976	8.716	10.9	16.	22.	34.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/80-08/20/96	42	208.5	216.286	418.	2.	8120.258	90.112	118.6	159.	254.	338.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/80-07/23/96	22	159.	161.409	219.	82.	801.968	28.319	130.7	146.75	181.75	192.1
00300	OXYGEN, DISSOLVED MG/L	07/22/70-07/07/94	60	9.4	9.033	13.1	4.4	4.412	2.1	5.82	7.575	10.6	11.48
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/22/70-07/23/96	64	3.	4.817	78.	1.	91.153	9.547	1.	2.	4.875	7.
00340	COD, .25N K2CR2O7 MG/L	03/26/80-07/23/96	61	16.	18.459	55.	3.	95.519	9.773	9.2	11.5	23.	29.8
00400p	PH (STANDARD UNITS)	07/22/70-08/20/96	70	7.465	7.523	9.12	5.9	0.422	0.65	6.882	7.195	7.93	8.508
00400p	CONVERTED PH (STANDARD UNITS)	07/22/70-08/20/96	70	7.465	7.063	9.12	5.9	0.637	0.798	6.882	7.195	7.93	8.508
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/70-08/20/96	70	0.034	0.087	1.259	0.001	0.037	0.193	0.003	0.012	0.064	0.131
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	29	7.3	7.348	8.1	6.8	0.106	0.326	6.9	7.15	7.55	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	29	7.3	7.246	8.1	6.8	0.117	0.342	6.9	7.15	7.55	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	29	0.05	0.057	0.158	0.008	0.001	0.037	0.016	0.028	0.071	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	30	43.5	43.	54.	25.	32.069	5.663	35.2	39.75	47.	49.
00500p	RESIDUE, TOTAL (MG/L)	02/14/71-07/23/96	35	118.	127.	206.	43.	944.353	30.73	104.2	110.	141.	175.
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	02/14/71-07/23/96	35	28.	31.343	89.	4.	286.291	16.92	17.	21.	36.	60.8
00510p	RESIDUE, TOTAL FIXED (MG/L)	02/14/71-07/23/96	35	93.	95.657	196.	13.	997.291	31.58	59.8	81.	108.	137.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/14/71-07/23/96	68	29.	35.647	232.	2.	995.068	31.545	14.9	22.	35.5	60.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/14/71-07/23/96	67	7.	8.388	40.	1.	37.968	6.162	2.8	5.	10.	16.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/14/71-07/23/96	67	22.	27.776	192.	3.	680.995	26.096	10.	15.	29.	47.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/70-08/20/96	67	0.5	1.148	7.5	0.02	2.444	1.563	0.09	0.15	1.4	3.252
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	67	0.03	0.055	0.26	0.01	0.003	0.056	0.01	0.02	0.07	0.122
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/70-08/20/96	67	0.38	0.409	0.89	0.11	0.031	0.176	0.228	0.29	0.49	0.708
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/70-08/20/96	65	1.1	1.928	11.	0.3	4.105	2.026	0.5	0.7	2.3	4.36
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/80-08/20/96	57	0.1	0.146	0.7	0.03	0.012	0.109	0.058	0.1	0.2	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/80-07/07/94	51	0.06	0.074	0.34	0.02	0.003	0.056	0.03	0.04	0.1	0.158
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/80-07/23/96	59	6.	7.181	23.5	2.6	19.463	4.412	3.2	4.	10.	12.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-07/23/96	28	54.5	55.071	100.	30.	159.847	12.643	39.	48.75	61.75	64.2
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-07/23/96	30	10.5	10.933	23.	2.	23.926	4.891	5.1	7.75	14.	18.7
00945	SULFATE, TOTAL (MG/L AS SO4)	10/15/87-07/23/96	28	15.	15.5	28.	7.	18.852	4.342	10.9	12.25	17.5	21.3

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

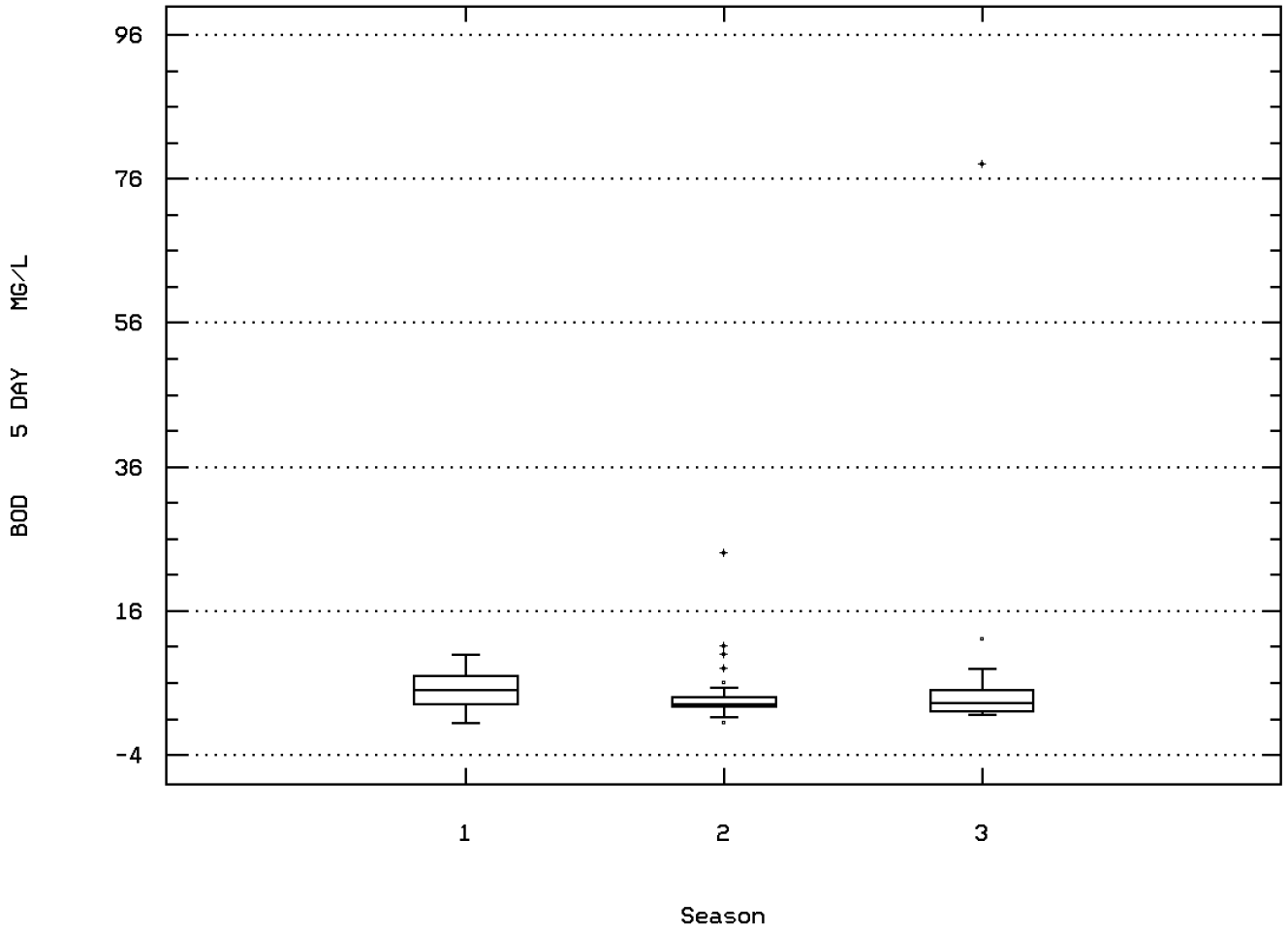
Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00951	FLUORIDE, TOTAL (MG/L AS F)	10/29/85-04/28/93	21	0.1	0.094	0.18	0.05	0.002	0.044	0.05	0.05	0.135	0.15
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	61	100.	287.131	2900.	0.	213968.716	462.568	50.	50.	350.	780.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/71-06/09/94	61	2.	2.106	3.462	0.	0.315	0.561	1.699	1.699	2.54	2.891
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			127.764								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/22/70-09/30/80	8	0.1	0.081	0.1	0.05	0.001	0.026	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/70-08/20/96	16	0.05	0.053	0.1	0.02	0.001	0.025	0.02	0.033	0.07	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: PETE0004 Parameter Code: 00310

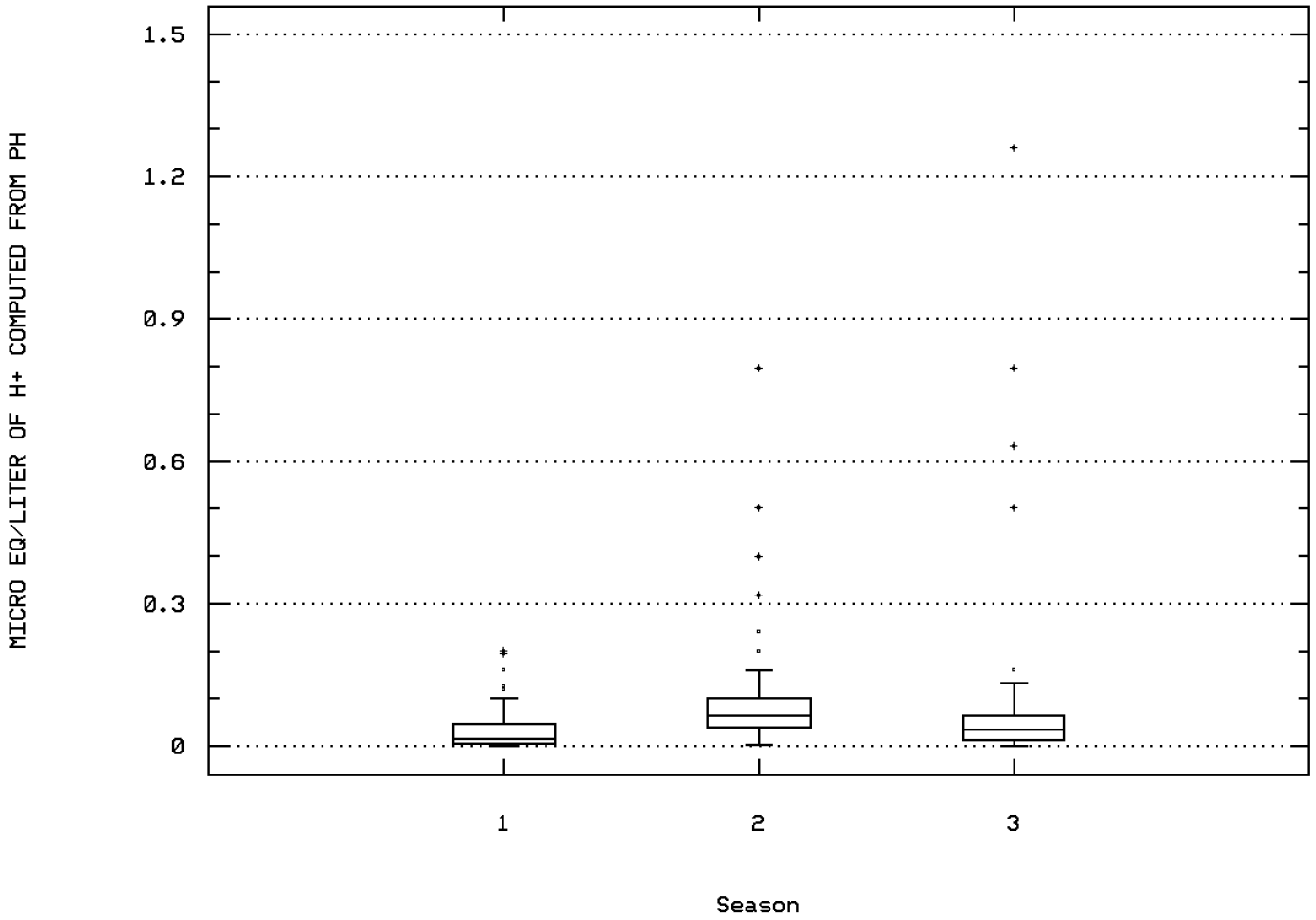
BOD, 5 DAY, 20 DEG C



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00400

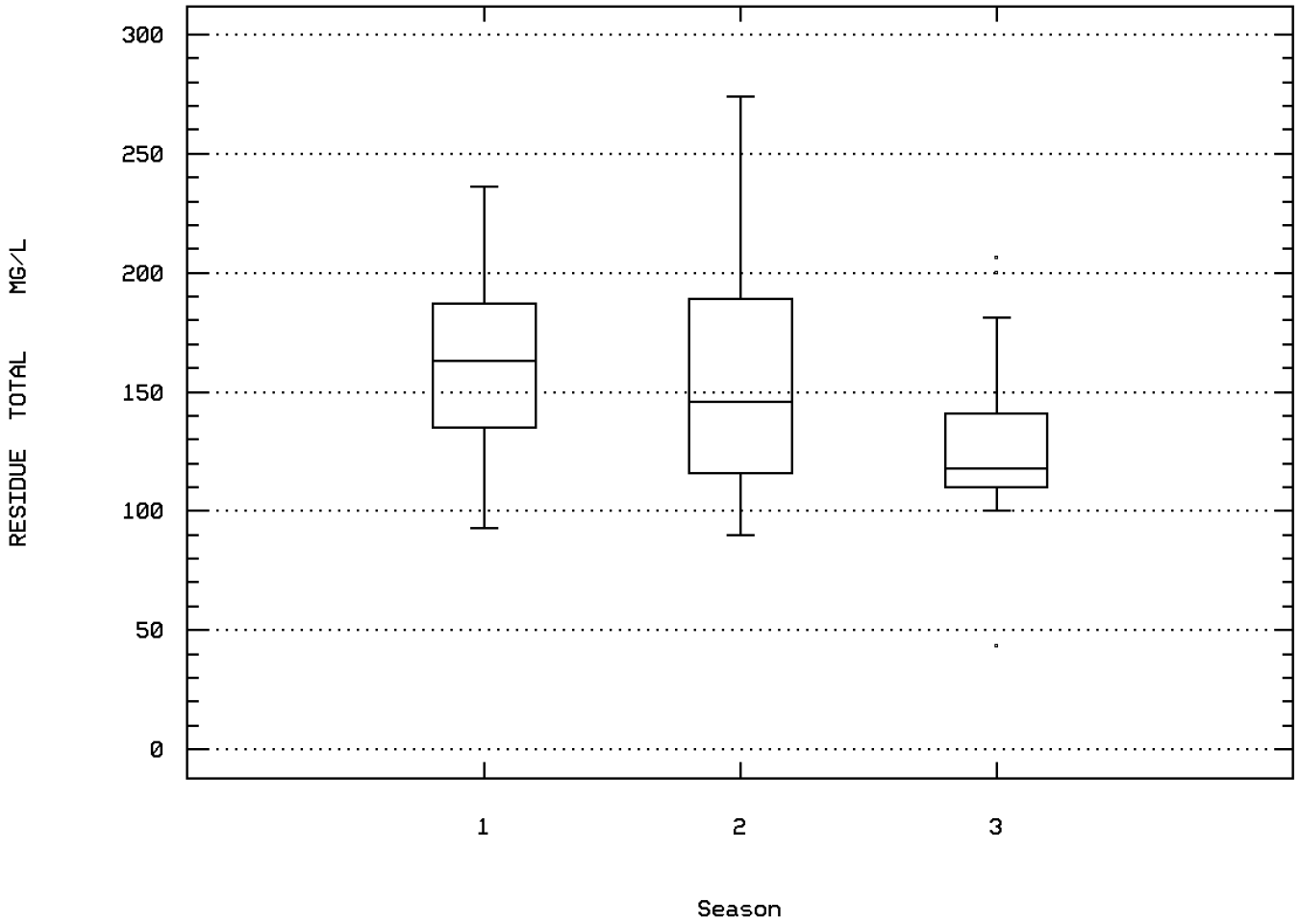
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00500

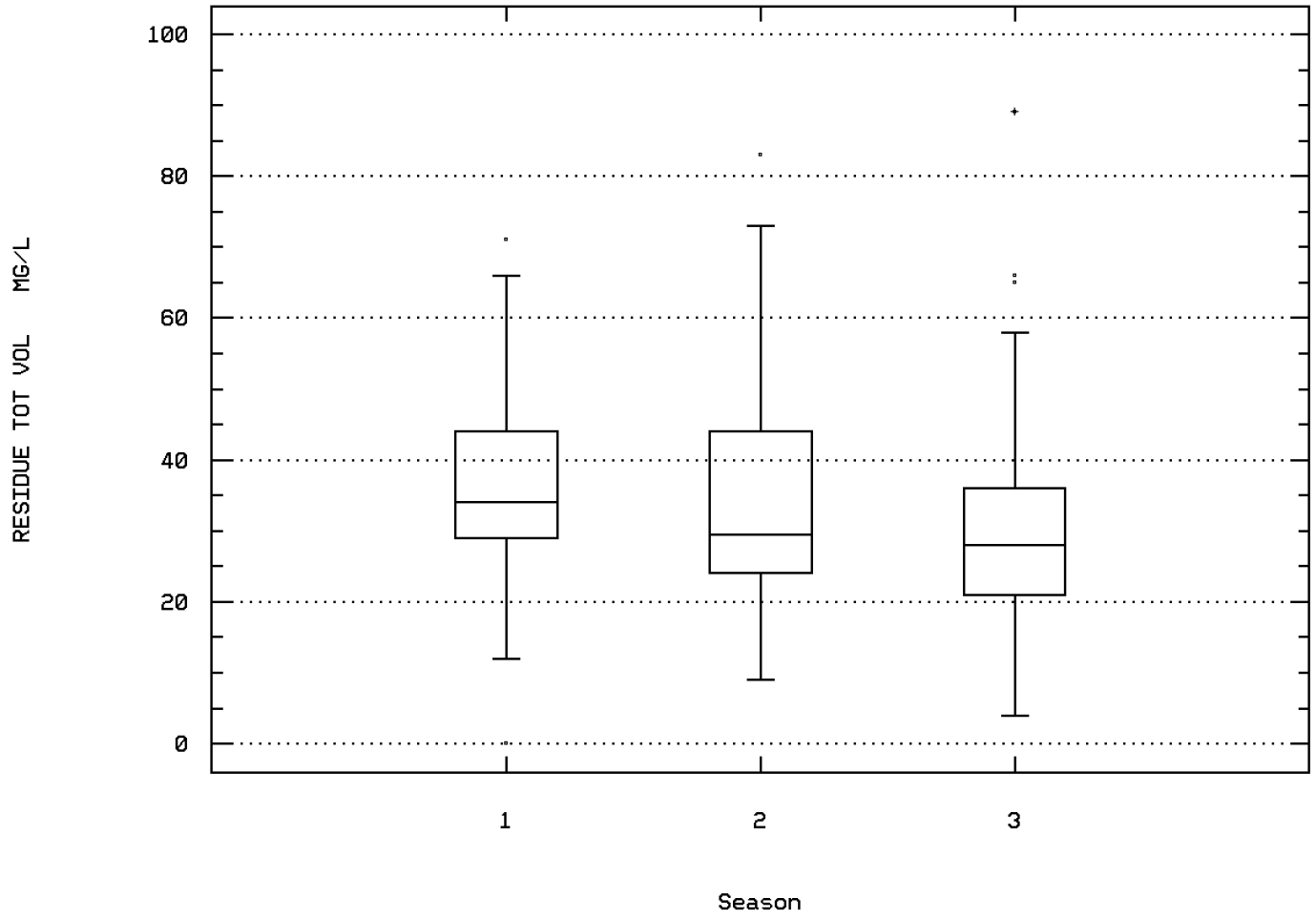
RESIDUE, TOTAL (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00505

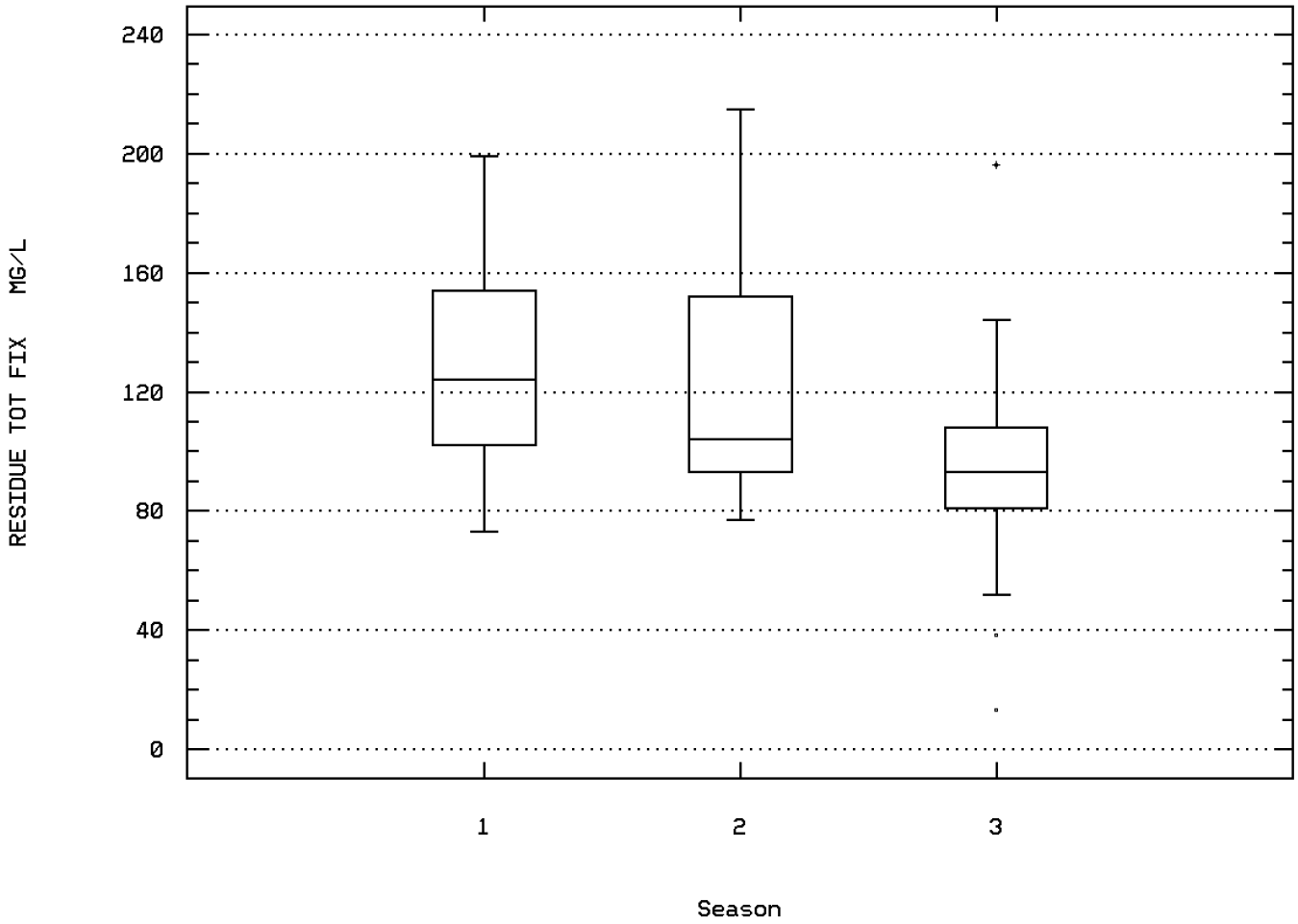
RESIDUE, TOTAL VOLATILE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00510

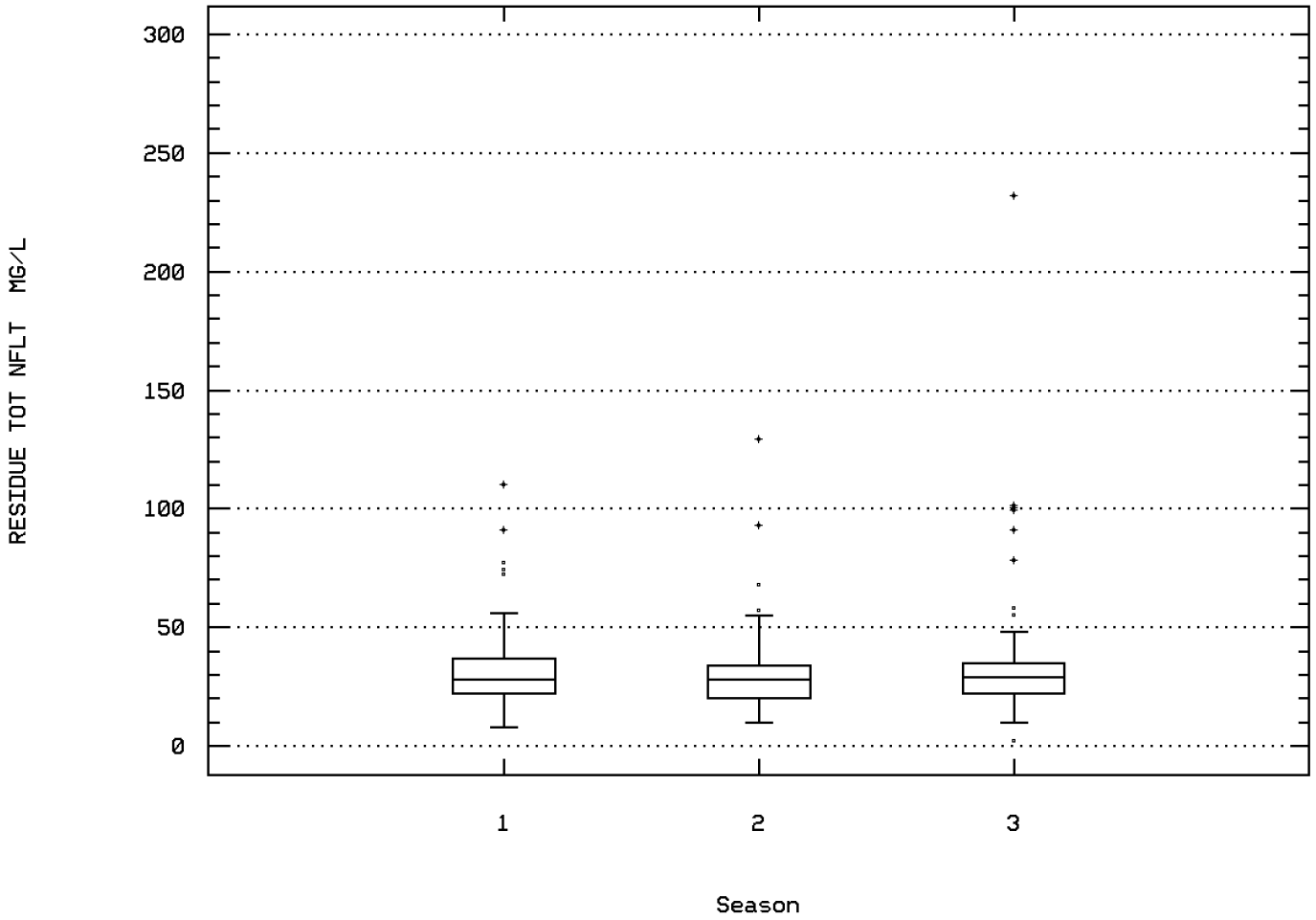
RESIDUE, TOTAL FIXED (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00530

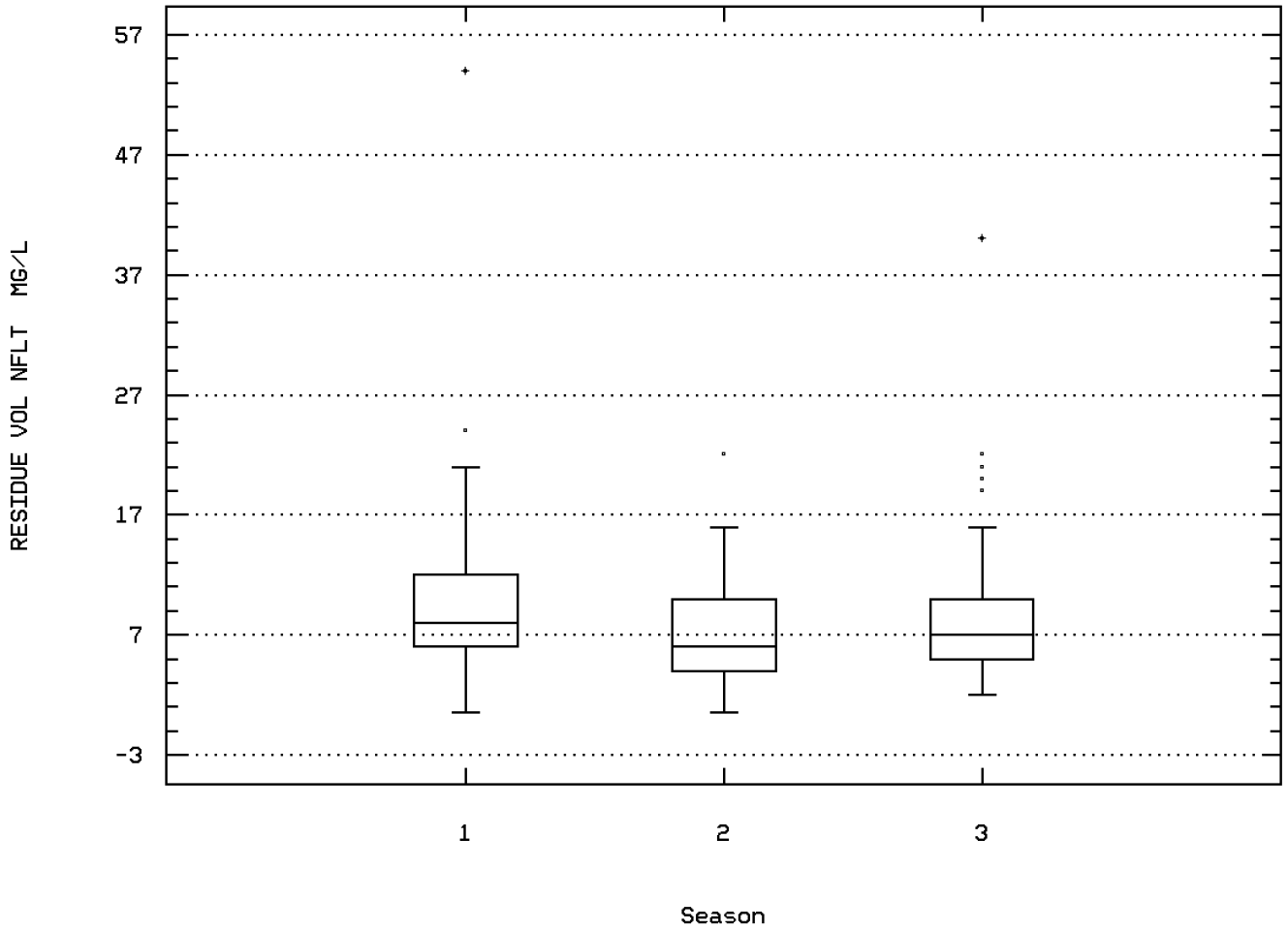
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00535

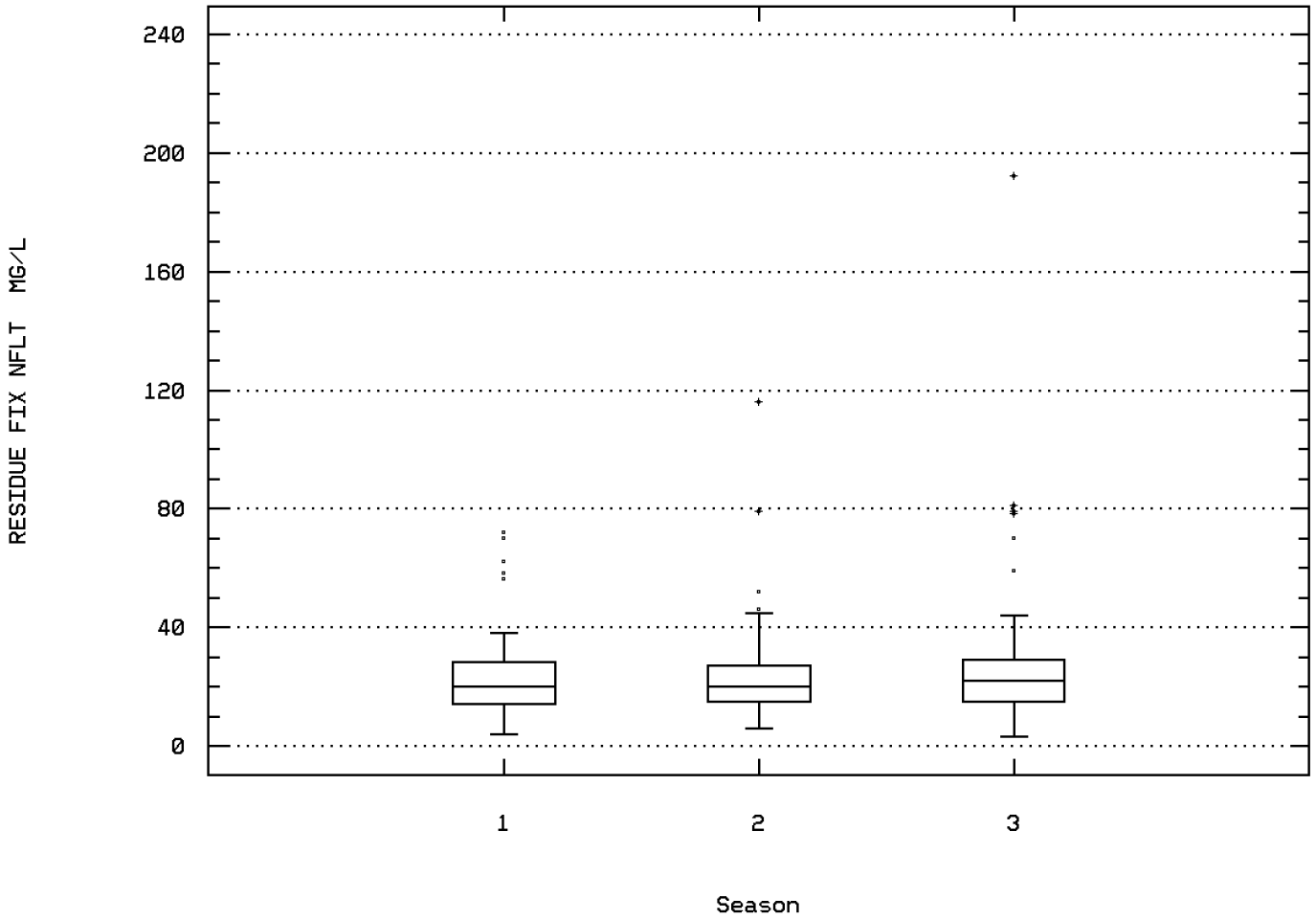
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00540

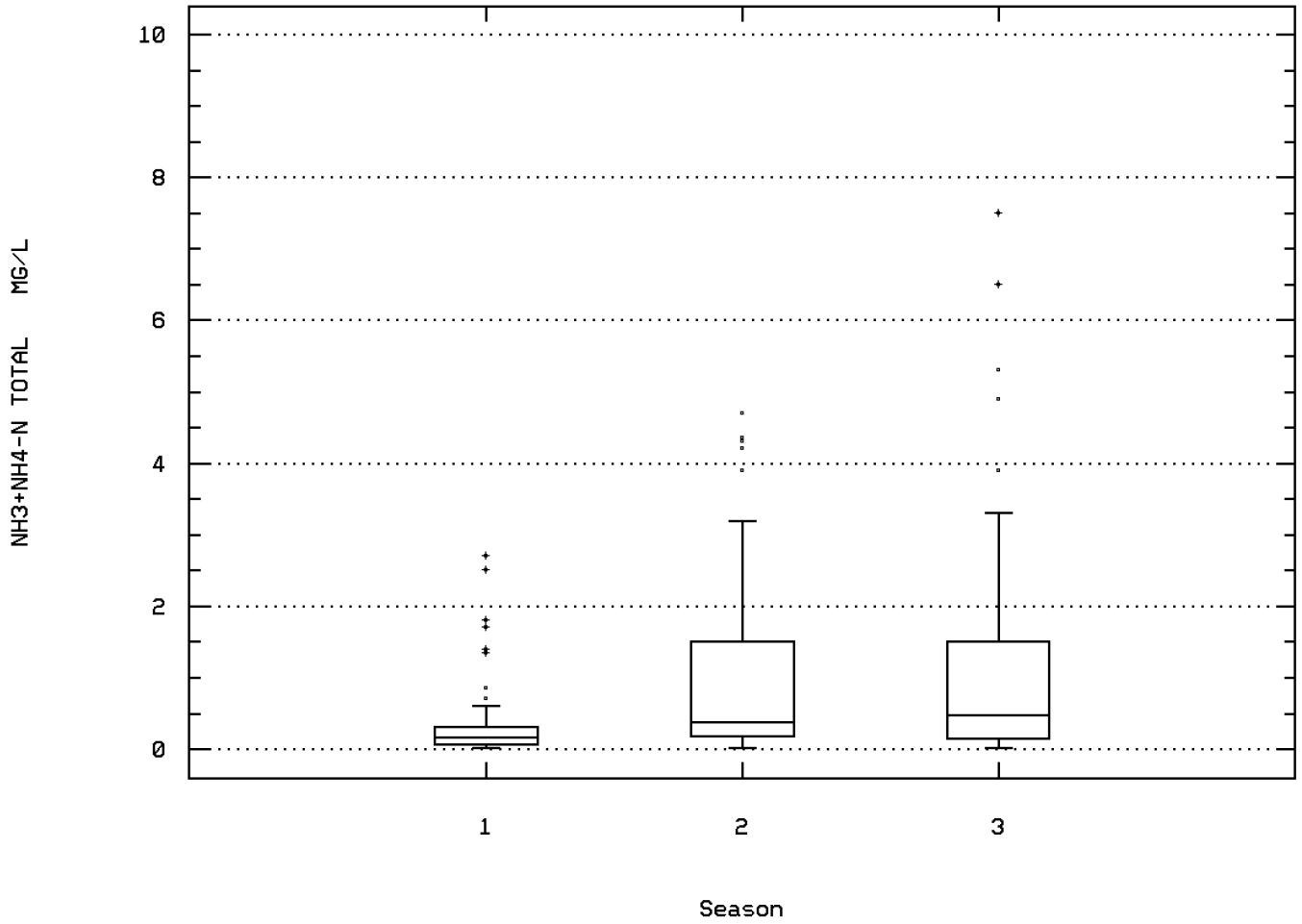
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00610

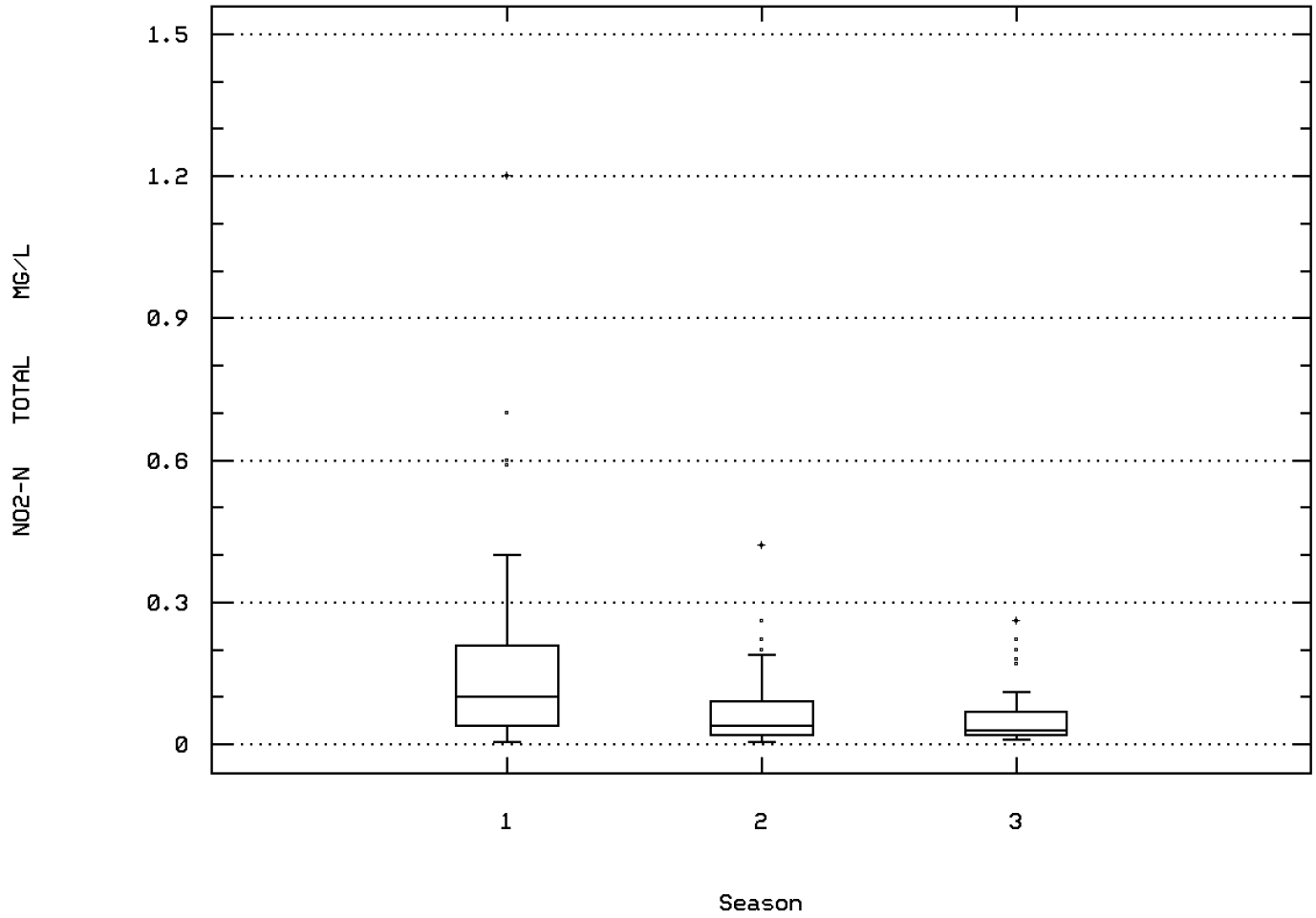
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00615

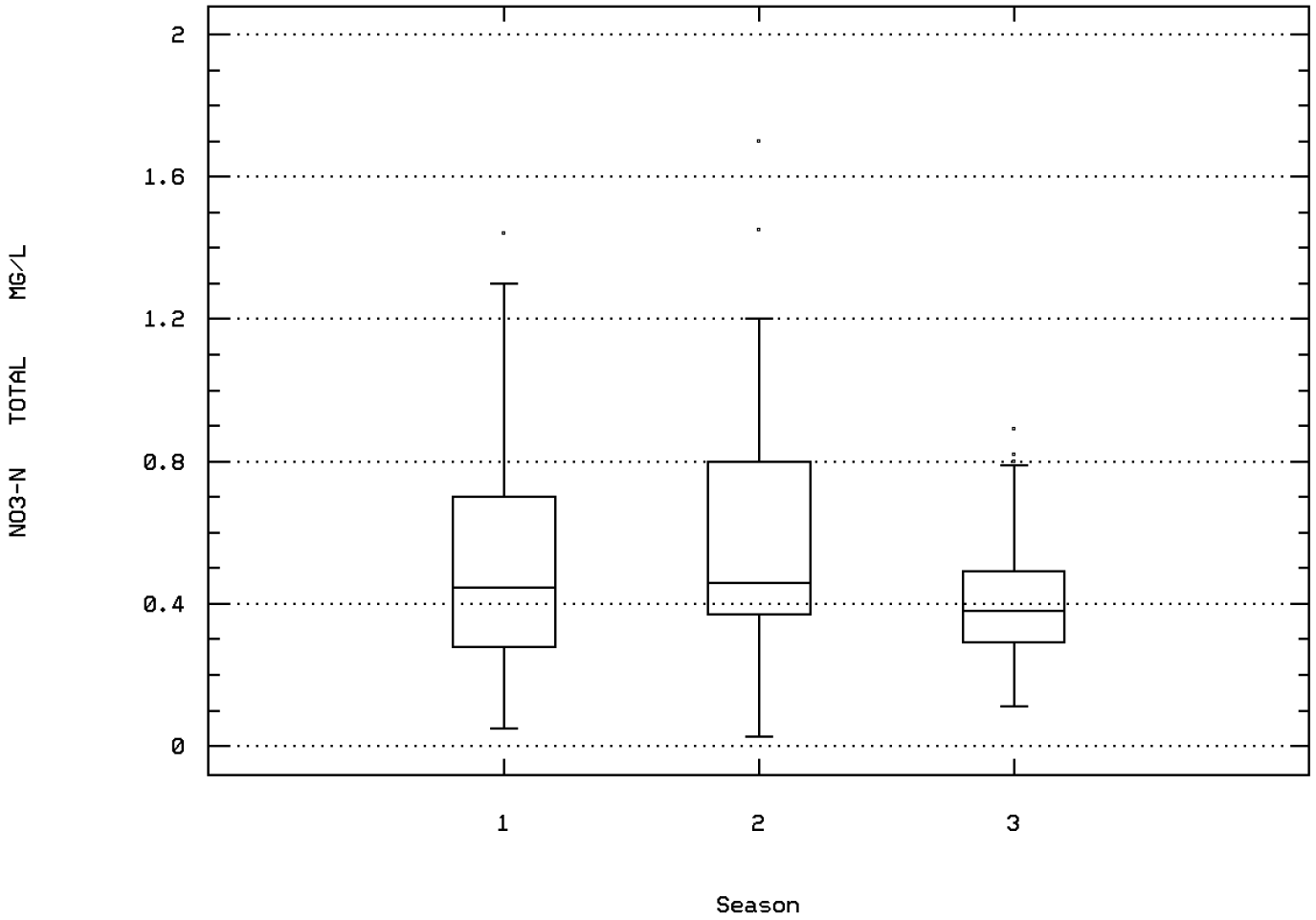
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00620

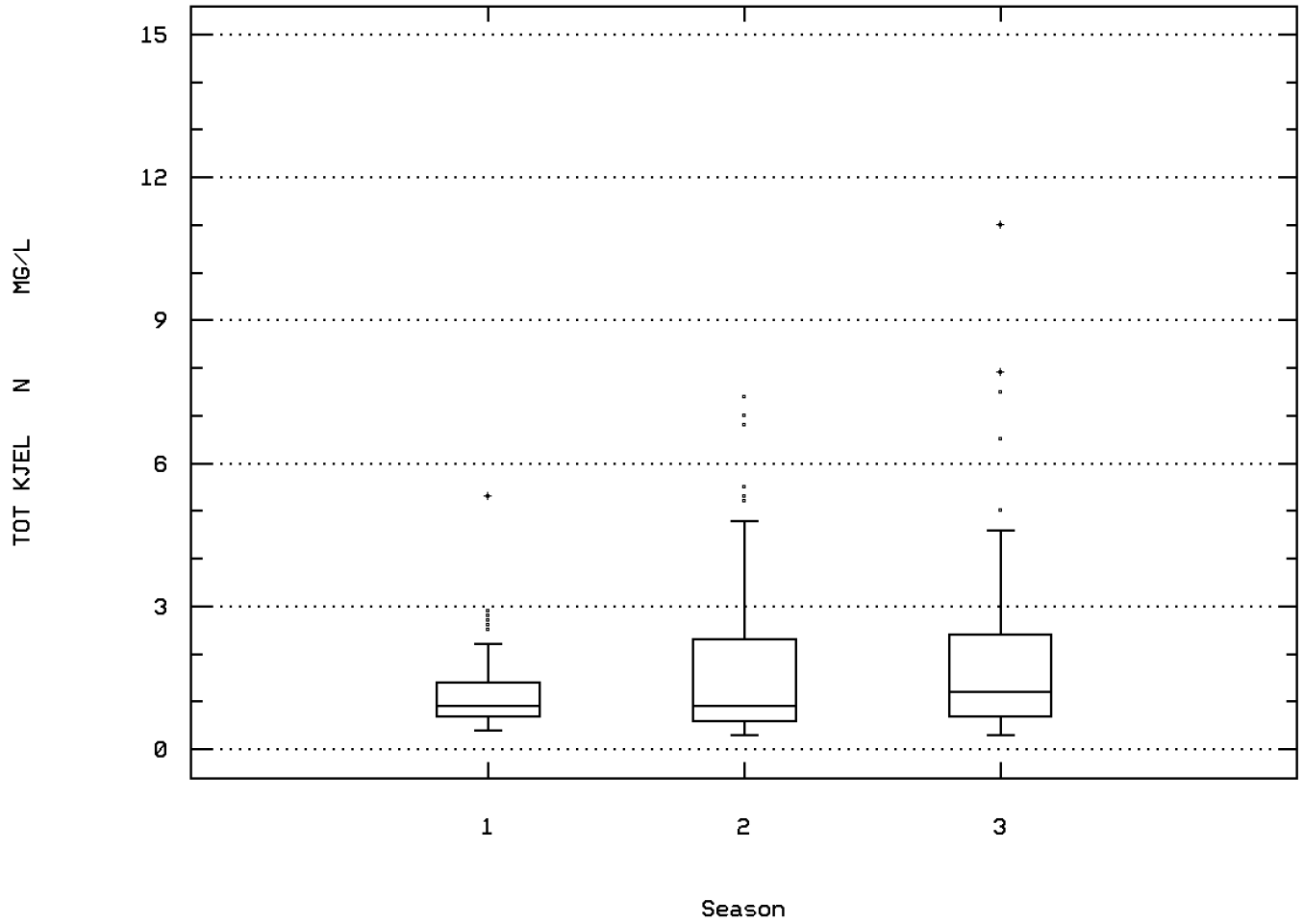
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 00625

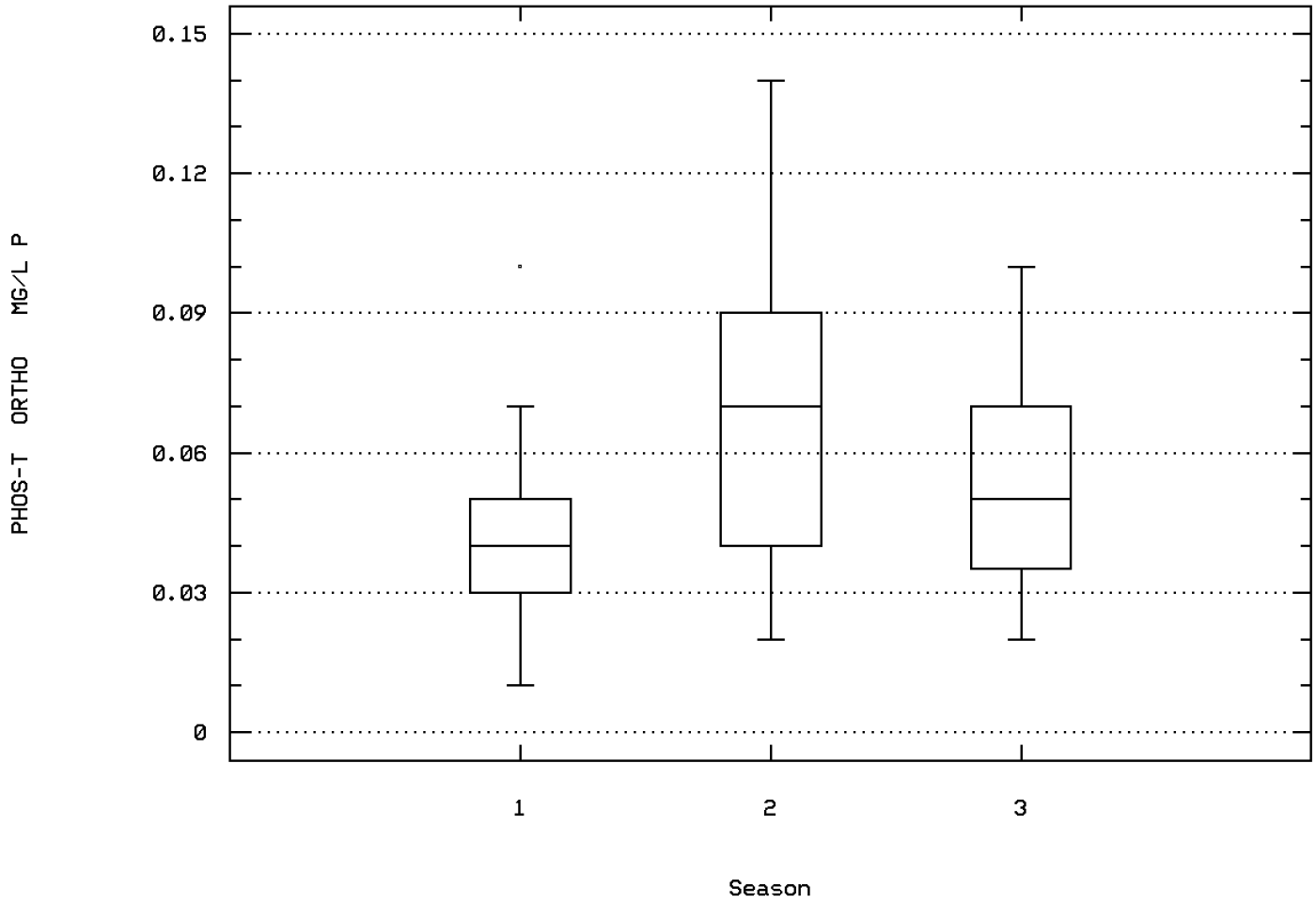
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 156 BRIDGE BELOW HOPEWELL

Station: PETE0004 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 156 BRIDGE BELOW HOPEWELL

Station Inventory for Station: PETE0005

NPS Station ID: PETE0005
LAT/LON: 37.313059/ -77.225003
Agency: 11NORCOR
Date Created: 06/09/79
Location: JORDAN POINT
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR183
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 5.190
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206003802.12
RF3 Mile Point: 2.11
Distance from RF3: 0.15
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0005

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)	05/13/77-05/13/77	1	2.99	2.99	2.99	2.99	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	12.78	12.78	12.78	12.78	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	170.	170.	170.	170.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0006

NPS Station ID: PETE0006
LAT/LON: 37.300837/ -77.228892
Agency: 11NORCOR
Date Created: 06/09/79
Location: JORDAN POINT
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR184
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 6.580
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 020802060041O1.70
RF3 Mile Point: 1.90
Distance from RF3: 0.07
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0006

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)	05/13/77-05/13/77	1	3.98	3.98	3.98	3.98	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	25.48	25.48	25.48	25.48	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	448.	448.	448.	448.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0007

NPS Station ID: PETE0007 LAT/LON: 37.312781/ -77.233059 Agency: 21VASWCB Date Created: 12/07/84
Location: RED BUOY 107 (COUNTY OF PRINCE GEORGE) FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS075.04 /TF5.5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206043 RF1 Mile Point: 5.880 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206003802.12 RF3 Mile Point: 2.11 Distance from RF3: 0.22 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835108 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02 TOPO MAP #: 0142 TOPO MAP NAME: WESTOVER, VA
THIS STATION IS ALSO USED FOR SURVEY 845101

Parameter Inventory for Station: PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	732	20.	18.703	32.	2.	67.828	8.236	7.	11.	26.6	28.77
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/14/91-10/05/93	7	20.	30.4	65.	16.2	355.413	18.852	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	44	21.5	28.734	156.	0.4	663.39	25.756	14.95	18.725	28.75	44.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	176	0.6	0.559	6.	0.06	0.197	0.444	0.3	0.5	0.6	0.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	731	180.	200.772	500.	13.	7577.892	87.051	107.	137.	260.	327.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	61	163.	175.738	377.	82.	3257.997	57.079	112.	134.5	211.	253.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	718	0.	0.01	1.	0.	0.006	0.074	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	721	8.7	8.894	14.	4.7	3.814	1.953	6.42	7.4	10.4	11.6
00300	OXYGEN, DISSOLVED MG/L	07/28/83-11/09/87	53	8.2	8.487	11.9	5.	3.127	1.768	6.24	7.15	10.05	11.12
00310	BOD, 5 DAY, 20 DEG C MG/L	01/26/94-07/23/96	30	3.	2.577	5.1	0.5	1.594	1.263	1.	1.3	3.5	4.36
00340	COD, .25N K2CR2O7 MG/L	02/08/89-07/23/96	31	16.	16.161	27.	6.	26.406	5.139	8.2	13.	20.	22.8
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	185	7.38	7.441	8.68	5.39	0.231	0.48	6.9	7.125	7.765	8.08
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	185	7.38	7.112	8.68	5.39	0.34	0.583	6.9	7.125	7.765	8.08
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	185	0.042	0.077	4.074	0.002	0.09	0.3	0.008	0.017	0.075	0.126
00403	PH, LAB, STANDARD UNITS SU	04/13/89-07/23/96	30	7.1	7.2	8.	6.6	0.099	0.315	6.9	7.	7.4	7.69
00403	CONVERTED PH, LAB, STANDARD UNITS	04/13/89-07/23/96	30	7.1	7.104	8.	6.6	0.109	0.33	6.9	7.	7.4	7.69
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/13/89-07/23/96	30	0.079	0.079	0.251	0.01	0.003	0.052	0.02	0.04	0.1	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/83-07/23/96	32	43.5	44.25	67.	26.	116.065	10.773	31.6	35.	51.75	62.8
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-09/27/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-09/27/83	3	183.	186.333	229.	147.	1689.333	41.102	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	119	26.	28.05	137.	10.	220.506	14.849	16.	20.	31.	42.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	119	6.	6.092	14.	0.5	7.072	2.659	3.	4.	8.	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	116	19.	22.112	123.	2.	188.431	13.727	11.7	15.	25.	35.3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	184	0.155	0.213	1.71	0.01	0.053	0.23	0.05	0.08	0.268	0.445
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/83-10/03/83	4 ##	0.05	0.138	0.4	0.05	0.031	0.175	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	184	0.03	0.063	0.49	0.004	0.007	0.082	0.005	0.01	0.084	0.18
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/83-12/11/91	3	0.3	0.233	0.3	0.1	0.013	0.115	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	180	0.345	0.41	1.9	0.06	0.061	0.248	0.191	0.27	0.47	0.69
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/83-09/27/83	3	0.5	0.567	1.	0.2	0.163	0.404	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-09/27/83	3	0.4	0.667	1.2	0.4	0.213	0.462	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	156	0.8	0.846	2.5	0.3	0.106	0.325	0.5	0.6	1.038	1.265

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

Parameter Inventory for Station: PETE0007

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)	07/28/83-08/20/96	10	0.3	0.43	1.3	0.1	0.127	0.356	0.11	0.275	0.5	1.25
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	157	0.13	0.135	0.27	0.03	0.002	0.042	0.09	0.11	0.15	0.19
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	170	0.04	0.048	0.27	0.005	0.001	0.031	0.02	0.03	0.06	0.08
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	7 ##	0.05	0.071	0.2	0.05	0.003	0.057	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	184	0.03	0.036	0.26	0.	0.001	0.03	0.01	0.02	0.04	0.07
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	179	5.	5.447	12.	1.5	3.748	1.936	3.1	4.	7.	8.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/26/94-07/23/96	28	54.	55.214	93.	24.	203.434	14.263	39.4	45.25	62.5	71.6
00940	CHLORIDE,TOTAL IN WATER MG/L	09/08/94-07/23/96	22	13.	16.636	42.	6.	95.385	9.767	7.	9.25	21.75	32.8
00945	SULFATE, TOTAL (MG/L AS SO4)	09/08/94-07/23/96	22	16.5	19.864	37.	9.	80.123	8.951	10.3	11.75	26.25	35.7
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	102	6.85	5.776	11.6	0.05	9.437	3.072	1.26	2.775	8.1	9.1
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	81	5000.	5465.383	15000.	0.	14255953.164	3775.706	420.	2100.	8050.	10948.
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-07/08/86	28	930.	3910.679	24000.	7.	54518920.967	7383.693	41.1	237.5	4225.	24000.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-07/08/86	28	2.968	2.882	4.38	0.845	0.808	0.899	1.597	2.375	3.626	4.38
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			762.746								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/21/94-06/09/94	4	230.	257.5	350.	220.	3891.667	62.383	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/21/94-06/09/94	4	2.361	2.402	2.544	2.342	0.009	0.096	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			252.512								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/94-08/20/96	27	140.	1051.444	16000.	9.	9236002.949	3039.079	15.4	20.	1100.	1600.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/94-08/20/96	27	2.146	2.251	4.204	0.954	0.741	0.861	1.175	1.301	3.041	3.204
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			178.429								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-03/04/87	40	91.5	839.275	11000.	4.	5244688.051	2290.128	15.	40.75	430.	1443.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-03/04/87	40	1.961	2.101	4.041	0.602	0.65	0.806	1.176	1.61	2.633	3.155
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			126.327								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	4	36.95	37.225	40.7	34.3	10.929	3.306	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	4	20.7	19.4	22.7	13.5	17.027	4.126	**	**	**	**
49567	INVALID PARAMETER	02/27/95-08/20/96	17	0.082	0.097	0.202	0.046	0.002	0.048	0.048	0.052	0.135	0.166
49569	INVALID PARAMETER	02/27/95-07/23/96	17	1.857	2.309	4.426	0.779	1.62	1.273	0.853	1.179	3.637	4.403
49570	INVALID PARAMETER	02/27/95-07/23/96	17	0.304	0.359	0.759	0.098	0.045	0.211	0.101	0.155	0.556	0.662
49571	INVALID PARAMETER	02/27/95-08/20/96	18	0.67	0.714	1.16	0.468	0.032	0.18	0.529	0.56	0.881	0.968
49572	INVALID PARAMETER	02/27/95-08/20/96	18	0.033	0.038	0.089	0.018	0.	0.018	0.02	0.028	0.045	0.068
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-09/27/83	3	0.1	0.133	0.3	0.	0.023	0.153	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	7	1	0.14	4	0	0.00	2	1	0.50	1	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	44	3	0.07	10	0	0.00	14	2	0.14	20	1	0.05			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	721	0	0.00	234	0	0.00	211	0	0.00	276	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	53	0	0.00	19	0	0.00	11	0	0.00	23	0	0.00			
00400	PH	Other-Hi Lim.	9.	185	0	0.00	66	0	0.00	52	0	0.00	67	0	0.00			
		Other-Lo Lim.	6.5	185	3	0.02	66	0	0.00	52	2	0.04	67	1	0.01			
00403	PH, LAB	Other-Hi Lim.	9.	30	0	0.00	6	0	0.00	11	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	30	0	0.00	6	0	0.00	11	0	0.00	13	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	184	0	0.00	65	0	0.00	52	0	0.00	67	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	180	0	0.00	63	0	0.00	50	0	0.00	67	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	10	0	0.00	5	0	0.00	1	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	5	0	0.00	9	0	0.00	8	0	0.00			
		Drinking Water	250.	22	0	0.00	5	0	0.00	9	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	5	0	0.00	9	0	0.00	8	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	28	9	0.32	11	2	0.18	5	3	0.60	12	4	0.33			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	4	4	1.00							4	4	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	27	12	0.44	8	0	0.00	11	9	0.82	8	3	0.38			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	40	15	0.38	16	4	0.25	9	7	0.78	15	4	0.27			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	2	0.67	3	2	0.67									

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

Annual Analysis for 1983 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	3	28.5	26.5	29.	22.	15.25	3.905	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	7 ##	0.075	0.074	0.09	0.06	0.	0.011	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	3	325.	323.333	390.	255.	4558.333	67.515	**	**	**	**
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	3	8.	8.167	8.6	7.9	0.143	0.379	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	3	8.	8.077	8.6	7.9	0.155	0.394	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	3	0.01	0.008	0.013	0.003	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	3	24.	24.667	27.	23.	4.333	2.082	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	3	8.	8.	12.	4.	16.	4.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	3	0.9	1.1	1.7	0.7	0.28	0.529	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	5 ##	0.05	0.09	0.2	0.05	0.004	0.065	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	3	8.	8.333	9.	8.	0.333	0.577	**	**	**	**

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

Annual Analysis for 1984 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	25	20.	18.14	28.	6.	45.719	6.762	6.	13.	21.5	26.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	8	0.6	0.556	0.7	0.35	0.011	0.105	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	24	190.	173.667	230.	90.	2383.971	48.826	90.	141.25	219.5	225.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	19	0.	0.042	0.2	0.	0.007	0.084	0.	0.	0.	0.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	25	8.7	8.22	11.	4.7	4.158	2.039	4.8	6.3	9.6	10.94
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	10	7.	7.09	8.1	6.7	0.157	0.396	6.71	6.875	7.225	8.02
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	10	7.	6.987	8.1	6.7	0.168	0.41	6.71	6.875	7.225	8.02
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	10	0.1	0.103	0.2	0.008	0.003	0.055	0.012	0.06	0.134	0.195
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.18	0.169	0.31	0.05	0.008	0.087	0.054	0.09	0.22	0.304
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.06	0.105	0.27	0.005	0.009	0.096	0.005	0.01	0.18	0.266
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	7	0.34	0.346	0.62	0.1	0.037	0.192	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	11	0.6	0.748	1.25	0.3	0.114	0.338	0.31	0.5	1.09	1.238
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	10	0.15	0.155	0.21	0.12	0.001	0.026	0.121	0.138	0.173	0.207
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	11	0.07	0.068	0.14	0.03	0.001	0.029	0.034	0.05	0.07	0.13
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	11	0.05	0.056	0.15	0.02	0.001	0.038	0.02	0.02	0.06	0.138
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	9	5.	5.444	8.	3.	4.528	2.128	3.	3.	7.5	8.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	10	6450.	7808.	12040.	4700.	9260728.889	3043.145	4730.	5000.	11075.	11996.

** - Less than 9 observations ## - Computed with 50% or 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 PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	75	21.5	18.693	27.5	2.	50.587	7.112	10.	13.	24.	26.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	18	0.6	0.592	0.8	0.2	0.032	0.178	0.29	0.5	0.712	0.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	75	155.	153.84	270.	13.	2869.434	53.567	80.	110.	180.	232.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	75	0.	0.013	0.2	0.	0.003	0.05	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	75	8.4	8.804	14.	5.7	4.004	2.001	6.46	7.5	10.	11.7
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	18	7.67	7.607	8.3	6.5	0.246	0.496	6.5	7.433	8.003	8.102
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	18	7.669	7.258	8.3	6.5	0.375	0.613	6.5	7.432	8.003	8.102
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	18	0.021	0.055	0.316	0.005	0.009	0.096	0.008	0.01	0.037	0.316
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	18	0.1	0.129	0.3	0.05	0.006	0.077	0.05	0.05	0.2	0.21
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	18	0.04	0.106	0.49	0.005	0.023	0.153	0.005	0.009	0.108	0.445
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	18	0.33	0.362	0.69	0.06	0.036	0.19	0.105	0.208	0.495	0.681
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	18	0.7	0.761	1.5	0.4	0.084	0.289	0.4	0.6	0.825	1.23
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	18	0.12	0.117	0.19	0.03	0.002	0.044	0.03	0.095	0.153	0.172
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	18	0.05	0.057	0.09	0.02	0.	0.021	0.029	0.04	0.073	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 1985 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	18	0.04	0.047	0.08	0.02	0.	0.022	0.02	0.03	0.07	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	18	6.	6.5	12.	3.	5.324	2.307	3.9	5.	7.25	11.1
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	18	5300.	6081.444	15000.	0.	21215307.203	4606.008	1.8	3125.	9865.	13740.

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Annual Analysis for 1986 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	88	22.35	19.434	31.	3.5	72.805	8.533	5.9	11.	27.	30.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	19	0.6	0.563	0.7	0.4	0.007	0.083	0.5	0.5	0.6	0.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	88	220.	226.761	500.	85.	11446.	106.986	103.5	120.	305.	400.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	84	0.	0.062	1.	0.	0.04	0.201	0.	0.	0.	0.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	83	8.1	8.382	11.5	4.8	3.575	1.891	5.92	6.9	10.	10.92
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	20	7.935	7.899	8.34	7.25	0.109	0.33	7.4	7.618	8.235	8.32
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	20	7.935	7.777	8.34	7.25	0.124	0.353	7.4	7.617	8.235	8.32
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	20	0.012	0.017	0.056	0.005	0.	0.014	0.005	0.006	0.024	0.04
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	21	0.2	0.256	1.2	0.025	0.077	0.278	0.03	0.1	0.35	0.66
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	21	0.07	0.108	0.31	0.005	0.011	0.105	0.006	0.01	0.185	0.284
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	21	0.5	0.646	1.9	0.14	0.214	0.462	0.166	0.345	0.83	1.46
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	21	0.9	1.005	1.6	0.5	0.107	0.328	0.6	0.75	1.2	1.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	21	0.15	0.141	0.23	0.08	0.002	0.041	0.082	0.11	0.165	0.198
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	21	0.05	0.061	0.14	0.02	0.001	0.033	0.022	0.04	0.07	0.12
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	19	0.04	0.053	0.13	0.01	0.001	0.034	0.01	0.03	0.07	0.11
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	21	7.	6.714	9.	5.	1.114	1.056	5.	6.	7.	8.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	21	3800.	4178.571	11500.	50.	13224142.857	3636.501	200.	700.	6850.	10320.

** - Less than 9 observations ## - Computed with 50% or 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 PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	73	18.	18.938	32.	4.	74.957	8.658	7.3	11.2	27.	29.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	17	0.6	0.882	6.	0.3	1.752	1.323	0.38	0.5	0.65	1.76
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	73	165.	176.247	370.	60.	8592.105	92.694	70.	95.	200.	333.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	73	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	73	8.3	8.807	12.	4.9	5.261	2.294	5.84	6.9	11.6	11.8
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	17	7.85	7.734	8.68	5.39	0.546	0.739	6.742	7.45	8.16	8.512
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	17	7.85	6.587	8.68	5.39	1.945	1.395	6.742	7.45	8.16	8.512
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	17	0.014	0.259	4.074	0.002	0.967	0.983	0.003	0.007	0.036	0.881
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.2	0.211	0.42	0.025	0.013	0.113	0.045	0.14	0.3	0.404
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.03	0.057	0.19	0.005	0.004	0.062	0.005	0.005	0.105	0.166
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.34	0.342	0.51	0.18	0.011	0.106	0.18	0.26	0.445	0.494
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	17	0.8	0.806	1.3	0.4	0.076	0.275	0.4	0.55	1.05	1.14
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	17	0.14	0.149	0.27	0.09	0.003	0.054	0.09	0.105	0.19	0.238
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	17	0.06	0.056	0.09	0.04	0.	0.015	0.04	0.04	0.065	0.082
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	16	0.04	0.04	0.09	0.005	0.	0.02	0.016	0.03	0.05	0.069
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	13	5.	5.231	7.	4.	1.026	1.013	4.	4.5	6.	7.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	17	5800.	5158.824	9800.	900.	8633823.529	2938.337	1060.	2250.	7600.	9160.

** - Less than 9 observations ## - Computed with 50% or 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 PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	34	22.55	20.965	32.	3.7	68.324	8.266	8.55	14.6	28.5	32.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	7	0.5	0.457	0.5	0.4	0.003	0.053	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	34	328.	326.353	401.	210.	2721.144	52.165	262.	296.25	370.	399.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	34	7.6	8.165	12.	5.9	3.404	1.845	5.9	6.675	9.525	11.05
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	10	7.58	7.716	8.37	7.42	0.091	0.302	7.424	7.498	7.933	8.327
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	10	7.579	7.641	8.37	7.42	0.097	0.312	7.424	7.497	7.932	8.327
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	10	0.026	0.023	0.038	0.004	0.	0.012	0.005	0.012	0.032	0.038
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	10	19.	20.9	31.	15.	24.544	4.954	15.2	17.75	25.25	30.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	10	6.5	7.1	11.	4.	6.322	2.514	4.	4.75	9.25	10.9
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	10	13.5	13.8	20.	9.	9.289	3.048	9.2	11.75	16.	19.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	10	0.115	0.32	1.71	0.02	0.265	0.514	0.02	0.043	0.443	1.584
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	10	0.06	0.101	0.32	0.01	0.011	0.105	0.011	0.028	0.168	0.313
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	10	0.73	0.689	1.32	0.08	0.135	0.367	0.104	0.328	0.925	1.285
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	10	1.1	1.23	2.5	0.6	0.282	0.531	0.63	0.9	1.4	2.42
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	10	0.155	0.164	0.25	0.1	0.002	0.045	0.102	0.135	0.195	0.246
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	10	0.055	0.063	0.15	0.02	0.001	0.037	0.022	0.04	0.07	0.145
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	10	0.05	0.055	0.14	0.02	0.001	0.037	0.021	0.03	0.063	0.136
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	9	4.9	5.056	6.6	4.	0.605	0.778	4.	4.55	5.6	6.6
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	10	2800.	3980.	12500.	100.	15737333.333	3967.031	160.	1150.	5625.	12150.

** - Less than 9 observations ## - Computed with 50% or 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 PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	26	12.4	10.962	15.2	7.5	9.602	3.099	7.5	7.9	13.675	14.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	5	0.5	0.42	0.5	0.2	0.017	0.13	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	26	127.5	158.115	278.	110.	3352.746	57.903	115.2	117.75	194.	276.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	3	129.	145.667	192.	116.	1652.333	40.649	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	26	10.4	10.358	11.2	9.8	0.198	0.445	9.87	9.975	10.5	11.2
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	6	7.185	7.218	7.45	7.08	0.019	0.138	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	6	7.184	7.201	7.45	7.08	0.02	0.14	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	6	0.066	0.063	0.083	0.035	0.	0.018	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	5	17.	16.4	19.	12.	7.3	2.702	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	5	5.	4.6	6.	3.	1.3	1.14	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	5	12.	11.8	15.	7.	9.7	3.114	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	5	0.47	0.426	0.66	0.11	0.05	0.223	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	5	0.01	0.015	0.03	0.005	0.	0.01	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	5	0.39	0.364	0.44	0.26	0.005	0.07	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	5	0.9	0.84	1.1	0.5	0.058	0.241	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	5	0.17	0.17	0.27	0.09	0.005	0.068	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	5	0.05	0.102	0.27	0.05	0.009	0.095	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	5	0.05	0.098	0.26	0.04	0.009	0.093	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	5	4.1	3.94	4.8	2.9	0.523	0.723	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	5	8100.	7980.	8200.	7400.	112000.	334.664	**	**	**	**

** - 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 1990 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	76	21.4	20.487	30.1	8.7	47.866	6.919	10.27	13.5	27.6	29.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	17	0.6	0.562	0.7	0.2	0.028	0.167	0.2	0.5	0.7	0.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	76	174.	182.763	313.	83.	3508.556	59.233	99.	146.	231.	282.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	19	163.	168.211	267.	82.	2397.064	48.96	86.	136.	209.	222.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	76	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	76	8.6	8.525	11.3	5.1	2.777	1.666	5.74	7.525	10.	10.53
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	19	7.24	7.226	7.61	6.85	0.056	0.237	6.85	6.99	7.43	7.56
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	19	7.24	7.165	7.61	6.85	0.06	0.245	6.85	6.99	7.43	7.56
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	19	0.058	0.068	0.141	0.025	0.001	0.038	0.028	0.037	0.102	0.141
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	19	21.	24.684	76.	10.	256.339	16.011	12.	15.	27.	56.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	19	5.	5.5	12.	0.5	10.75	3.279	1.	3.	8.	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	19	15.	19.211	66.	2.	225.398	15.013	9.	12.	19.	51.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	19	0.12	0.158	0.4	0.02	0.011	0.106	0.02	0.09	0.26	0.3
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	19	0.02	0.042	0.18	0.005	0.002	0.046	0.01	0.01	0.07	0.09
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	19	0.33	0.367	0.67	0.18	0.02	0.142	0.21	0.25	0.47	0.62
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	19	0.7	0.663	1.	0.4	0.026	0.161	0.5	0.5	0.7	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	19	0.11	0.115	0.18	0.08	0.001	0.023	0.09	0.1	0.13	0.14
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	19	0.03	0.035	0.05	0.02	0.	0.01	0.02	0.03	0.04	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	19	0.03	0.028	0.05	0.01	0.	0.01	0.02	0.02	0.04	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	19	3.8	3.847	7.	1.5	1.527	1.236	2.2	3.1	4.7	5.
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	19	6.3	5.953	9.1	0.5	6.507	2.551	1.1	4.1	8.	9.

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

Annual Analysis for 1991 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	82	20.45	19.202	30.5	6.1	62.613	7.913	8.03	11.	27.05	27.94
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	18	0.55	0.539	0.8	0.2	0.026	0.161	0.29	0.475	0.7	0.71
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	82	182.	198.927	440.	102.	6168.538	78.54	117.2	144.5	224.	300.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	9	142.	153.	209.	102.	1114.25	33.38	102.	133.5	183.5	209.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	82	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	82	8.7	8.918	11.7	5.3	3.036	1.743	6.5	7.575	10.425	11.3
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	19	7.06	7.049	7.3	6.75	0.024	0.154	6.85	6.91	7.17	7.25
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	19	7.06	7.023	7.3	6.75	0.024	0.156	6.85	6.91	7.17	7.25
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	19	0.087	0.095	0.178	0.05	0.001	0.034	0.056	0.068	0.123	0.141
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	20	26.	26.9	66.	13.	125.884	11.22	13.5	20.5	30.	39.1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	20	5.	5.3	9.	2.	3.484	1.867	3.	4.	7.	7.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	20	20.	21.6	57.	10.	99.516	9.976	11.3	15.75	23.	33.9
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	20	0.08	0.15	0.5	0.02	0.02	0.143	0.02	0.063	0.215	0.42
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	20	0.045	0.052	0.14	0.005	0.002	0.046	0.005	0.01	0.095	0.129
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	20	0.375	0.422	0.87	0.18	0.04	0.2	0.213	0.3	0.458	0.852
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	20	0.8	0.78	1.3	0.4	0.055	0.235	0.5	0.6	0.975	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	20	0.12	0.126	0.18	0.07	0.001	0.028	0.082	0.11	0.148	0.169
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	20	0.03	0.035	0.07	0.01	0.	0.015	0.011	0.03	0.04	0.059
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	20	0.02	0.024	0.06	0.005	0.	0.014	0.006	0.01	0.03	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	20	3.95	4.085	6.7	2.5	1.154	1.074	2.81	3.325	4.7	5.92
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	20	6.15	5.45	9.4	1.4	7.936	2.817	1.53	2.65	7.975	8.97

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

Annual Analysis for 1992 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	59	17.4	17.141	30.8	5.2	61.455	7.839	6.3	9.3	24.5	28.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	14	0.6	0.557	0.7	0.3	0.013	0.116	0.35	0.5	0.625	0.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	59	178.	204.339	322.	106.	3972.814	63.03	138.	156.	261.	306.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	59	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	58	9.3	9.412	12.8	6.7	2.988	1.729	7.29	7.6	10.875	12.1
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	15	7.15	7.212	8.	6.79	0.102	0.319	6.808	6.95	7.41	7.724
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	15	7.15	7.121	8.	6.79	0.111	0.333	6.808	6.95	7.41	7.724
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	15	0.071	0.076	0.162	0.01	0.002	0.045	0.021	0.039	0.112	0.156
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	15	30.	31.933	50.	19.	134.067	11.579	19.	20.	43.	48.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	15	6.	6.	9.	3.	4.571	2.138	3.	4.	8.	9.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	15	22.	25.933	43.	15.	103.781	10.187	15.6	16.	37.	41.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	15	0.16	0.185	0.5	0.02	0.02	0.141	0.038	0.07	0.24	0.488
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	15	0.02	0.04	0.13	0.005	0.002	0.039	0.008	0.01	0.04	0.118
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	15	0.36	0.379	0.63	0.12	0.018	0.133	0.198	0.3	0.51	0.588
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	15	0.8	0.807	1.3	0.5	0.059	0.243	0.5	0.6	1.	1.24
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	15	0.13	0.137	0.18	0.11	0.	0.021	0.11	0.12	0.15	0.174
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	15	0.03	0.028	0.05	0.005	0.	0.012	0.008	0.02	0.03	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	15	0.02	0.024	0.04	0.005	0.	0.013	0.005	0.01	0.04	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	15	5.2	5.687	11.1	2.3	5.498	2.345	2.6	3.6	7.2	9.18
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	15	6.9	5.933	11.6	0.7	10.077	3.174	1.36	3.	8.3	10.1

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

Annual Analysis for 1993 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	69	23.4	20.781	31.5	6.	76.992	8.774	7.	11.6	29.	30.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	16	0.6	0.538	0.8	0.2	0.024	0.154	0.27	0.425	0.6	0.73
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	69	183.	226.188	471.	89.	15041.832	122.645	101.	130.	308.5	456.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	69	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	67	7.7	8.691	12.7	6.1	3.734	1.932	6.68	7.3	10.1	11.72
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	17	7.21	7.269	8.34	6.64	0.171	0.414	6.76	7.	7.485	7.916
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	17	7.21	7.123	8.34	6.64	0.194	0.44	6.76	7.	7.485	7.916
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	17	0.062	0.075	0.229	0.005	0.003	0.059	0.013	0.033	0.101	0.176
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	17	27.	29.235	58.	14.	106.066	10.299	16.4	23.	34.5	42.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	17	7.	6.765	12.	2.	7.566	2.751	2.	5.	9.	10.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	17	19.	22.471	49.	12.	76.765	8.762	14.4	17.	27.	34.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.15	0.168	0.48	0.02	0.014	0.12	0.02	0.09	0.19	0.384
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.02	0.044	0.18	0.005	0.003	0.05	0.005	0.005	0.085	0.116
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.31	0.326	0.69	0.2	0.017	0.13	0.2	0.225	0.38	0.578
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	17	0.8	0.894	1.4	0.4	0.098	0.313	0.48	0.65	1.15	1.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	17	0.13	0.134	0.21	0.06	0.002	0.04	0.084	0.105	0.15	0.202
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	17	0.02	0.025	0.04	0.01	0.	0.009	0.018	0.02	0.03	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	17	0.02	0.019	0.04	0.005	0.	0.01	0.005	0.01	0.025	0.032
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	17	5.8	6.018	10.8	3.5	3.74	1.934	3.5	4.5	7.05	9.36
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	17	6.6	5.112	9.6	0.2	11.927	3.454	0.44	1.5	8.15	9.12

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

Annual Analysis for 1994 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	45	17.8	16.927	30.7	3.	86.241	9.287	3.	10.2	25.35	29.38
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	11	0.5	0.545	0.7	0.4	0.007	0.082	0.42	0.5	0.6	0.68
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	45	188.	197.156	288.	113.	3030.316	55.048	129.	156.	263.5	275.

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Annual Analysis for 1994 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	11	164.	185.273	267.	102.	3223.218	56.773	106.	153.	247.	264.2
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	45	8.6	9.193	13.	5.2	5.033	2.244	6.56	7.85	10.5	12.9
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	11	7.3	7.39	7.8	7.09	0.05	0.224	7.1	7.21	7.55	7.764
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	11	7.3	7.341	7.8	7.09	0.053	0.23	7.1	7.21	7.55	7.764
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	11	0.05	0.046	0.081	0.016	0.	0.021	0.017	0.028	0.062	0.08
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	12	28.	28.333	44.	10.	70.242	8.381	13.6	24.5	33.75	41.9
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	12	6.	6.125	10.	1.5	6.369	2.524	2.25	4.	7.75	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	12	22.5	22.167	38.	8.	51.061	7.146	10.4	19.	25.75	34.7
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	0.299	0.478	1.6	0.059	0.204	0.451	0.065	0.131	0.716	1.409
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	0.027	0.034	0.097	0.004	0.001	0.029	0.005	0.01	0.055	0.088
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	0.35	0.36	0.55	0.2	0.011	0.104	0.215	0.293	0.4	0.544
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	5	0.03	0.03	0.04	0.02	0.	0.01	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	12	0.026	0.023	0.032	0.009	0.	0.008	0.01	0.014	0.03	0.032
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	12	4.4	4.592	6.5	3.3	1.095	1.047	3.33	3.6	5.525	6.35
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	12	7.7	6.196	9.5	0.05	12.061	3.473	0.125	2.825	8.3	9.47

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Annual Analysis for 1995 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	46	17.4	17.374	29.9	5.7	73.211	8.556	6.4	8.375	26.	28.86
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	12	0.5	0.542	0.9	0.3	0.021	0.144	0.33	0.5	0.6	0.81
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	46	206.5	222.457	357.	114.	5185.276	72.009	130.2	167.	263.	337.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	11	215.	214.818	377.	118.	6513.964	80.709	118.4	159.	253.	367.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	46	9.5	9.346	11.8	6.	3.276	1.81	6.94	7.95	11.225	11.43
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	13	7.38	7.478	8.48	6.9	0.157	0.397	6.992	7.24	7.615	8.26
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	13	7.38	7.353	8.48	6.9	0.174	0.418	6.992	7.24	7.615	8.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	13	0.042	0.044	0.126	0.003	0.001	0.032	0.007	0.024	0.058	0.105
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	11	32.	30.818	42.	20.	35.764	5.98	21.	25.	34.	40.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	11	7.	6.727	11.	3.	6.818	2.611	3.2	4.	9.	10.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	11	23.	24.273	33.	17.	24.018	4.901	17.2	21.	28.	32.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.194	0.196	0.389	0.024	0.013	0.116	0.033	0.103	0.334	0.378
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.021	0.049	0.234	0.005	0.005	0.068	0.006	0.008	0.085	0.205
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.31	0.323	0.48	0.14	0.011	0.103	0.154	0.23	0.4	0.47
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	11	0.05	0.061	0.14	0.03	0.001	0.034	0.03	0.04	0.08	0.13
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	11	0.03	0.028	0.081	0.009	0.	0.02	0.009	0.016	0.032	0.072
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	11	7.5	7.245	10.4	3.8	5.059	2.249	3.92	4.9	9.8	10.32
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	11	7.3	6.091	10.2	0.4	15.273	3.908	0.5	1.5	9.6	10.2

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

Annual Analysis for 1996 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	31	19.4	17.016	28.6	4.5	98.188	9.909	4.6	5.1	27.8	28.48
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	7	0.6	0.514	0.7	0.1	0.045	0.212	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	31	161.	164.194	217.	119.	1203.161	34.687	120.2	130.	194.	216.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	7	148.	149.857	182.	111.	785.143	28.02	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	31	9.5	10.006	12.9	7.2	4.406	2.099	7.46	8.	12.4	12.88
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	7	7.35	7.549	8.46	7.08	0.271	0.52	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	7	7.35	7.368	8.46	7.08	0.309	0.555	**	**	**	**

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Annual Analysis for 1996 - Station PETE0007

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	07/28/83-08/20/96	7	0.045	0.043	0.083	0.003	0.001	0.03	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	7	28.	44.429	137.	19.	1728.619	41.577	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	7	4.	6.286	14.	3.	15.571	3.946	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	7	24.	38.143	123.	15.	1442.81	37.984	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	8	0.101	0.137	0.457	0.01	0.019	0.137	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	8	0.013	0.015	0.028	0.006	0.	0.008	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	8	0.285	0.29	0.44	0.09	0.013	0.115	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	8	0.022	0.023	0.042	0.009	0.	0.011	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	7	4.9	4.671	7.4	3.	2.789	1.67	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	8	7.35	6.225	9.1	1.9	7.505	2.74	**	**	**	**

** - 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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	244	27.	26.359	32.	17.4	12.91	3.593	21.	23.6	29.225	30.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	10	23.5	26.4	47.	17.5	81.767	9.042	17.7	19.875	31.75	45.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	64	0.6	0.521	0.8	0.06	0.032	0.179	0.087	0.5	0.6	0.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	243	267.	266.695	500.	13.	6545.08	80.902	178.	207.	315.	364.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	14	211.	217.714	377.	118.	3570.22	59.751	141.	180.75	248.5	322.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	236	0.	0.022	1.	0.	0.015	0.123	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	234	7.3	7.24	10.	4.8	1.196	1.094	5.75	6.5	7.9	8.8
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	66	7.54	7.581	8.68	6.7	0.226	0.475	6.9	7.297	7.943	8.326
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	66	7.54	7.355	8.68	6.7	0.278	0.527	6.9	7.297	7.943	8.326
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	66	0.029	0.044	0.2	0.002	0.002	0.046	0.005	0.011	0.05	0.126
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	41	26.	27.195	48.	13.	65.011	8.063	18.	21.5	31.	39.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	41	8.	7.415	12.	2.	6.599	2.569	4.	5.5	9.	11.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	38	19.	20.079	40.	9.	50.183	7.084	11.9	15.	23.	30.3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	65	0.091	0.121	0.44	0.01	0.01	0.1	0.02	0.05	0.2	0.28
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	65	0.09	0.116	0.49	0.005	0.008	0.09	0.03	0.06	0.155	0.254
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	63	0.42	0.478	1.5	0.08	0.075	0.274	0.214	0.28	0.62	0.836
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	60	1.	0.99	1.7	0.6	0.073	0.27	0.61	0.8	1.198	1.39
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	61	0.14	0.135	0.21	0.05	0.001	0.036	0.092	0.11	0.15	0.19
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	62	0.04	0.045	0.1	0.005	0.	0.02	0.02	0.03	0.053	0.07
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	68	0.03	0.03	0.09	0.	0.	0.019	0.009	0.02	0.04	0.06
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	64	6.4	6.281	12.	3.	3.06	1.749	4.25	5.	7.075	8.
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	33	2.6	3.591	10.2	0.2	8.551	2.924	0.44	1.35	5.9	8.6
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	31	3900.	4522.065	12500.	4.	13644137.462	3693.797	460.	1700.	6800.	11720.

** - Less than 9 observations ## - Computed with 50% or more 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: 10/16 to 3/09 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	211	8.7	10.043	21.5	2.	26.097	5.109	4.	6.	14.6	17.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	14	24.6	38.85	156.	14.	1701.935	41.255	14.45	17.625	32.925	132.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	49	0.5	0.471	0.9	0.1	0.024	0.154	0.3	0.4	0.6	0.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	211	165.	188.555	440.	60.	8874.077	94.202	86.	114.	261.	332.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	20	169.5	178.75	327.	86.	4540.408	67.383	102.	113.25	235.5	266.3
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	206	0.	0.004	0.2	0.	0.001	0.028	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	211	10.6	10.445	14.	4.7	3.128	1.769	8.	9.6	11.7	12.7
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	52	7.205	7.241	8.47	5.39	0.205	0.453	6.9	7.008	7.458	7.917
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	52	7.205	6.83	8.47	5.39	0.378	0.615	6.9	7.008	7.458	7.917
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	52	0.062	0.148	4.074	0.003	0.311	0.558	0.012	0.035	0.098	0.126
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	34	26.5	32.676	137.	10.	593.135	24.354	12.5	17.75	40.75	62.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	34	4.5	5.5	14.	0.5	8.576	2.928	2.	4.	7.	9.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	34	21.5	27.176	123.	2.	489.847	22.132	10.5	13.75	35.25	53.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	52	0.24	0.353	1.71	0.024	0.12	0.346	0.073	0.123	0.455	0.688
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	52	0.01	0.035	0.26	0.004	0.003	0.051	0.005	0.005	0.04	0.111
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	50	0.42	0.48	1.9	0.1	0.084	0.289	0.261	0.32	0.523	0.856
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	41	0.7	0.848	2.5	0.3	0.174	0.417	0.42	0.6	1.1	1.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	41	0.15	0.15	0.27	0.03	0.003	0.054	0.082	0.115	0.18	0.228
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	49	0.04	0.06	0.27	0.01	0.002	0.046	0.02	0.03	0.07	0.12
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	51	0.032	0.049	0.26	0.005	0.002	0.046	0.011	0.02	0.05	0.108
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	48	4.9	5.213	11.	1.5	4.117	2.029	3.09	3.6	6.	8.
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	29	8.5	7.395	11.6	0.05	9.281	3.047	1.4	7.	9.2	9.6
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	23	7400.	6521.826	13600.	0.	17315138.514	4161.146	81.2	2300.	9800.	11560.

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/20/96	277	18.	18.557	29.	8.	39.25	6.265	10.2	12.9	23.9	27.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	20	21.	22.82	72.	0.4	183.055	13.53	13.2	16.075	24.75	34.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-08/20/96	63	0.6	0.665	6.	0.2	0.486	0.697	0.4	0.5	0.7	0.73
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/20/96	277	155.	152.245	242.	83.	1248.403	35.333	104.8	124.5	177.5	192.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	27	153.	151.741	218.	82.	861.584	29.353	120.8	133.	169.	194.6
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	276	0.	0.004	0.2	0.	0.001	0.027	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	276	9.	9.111	11.8	5.2	2.361	1.537	7.3	8.	10.4	11.23
00400	PH (STANDARD UNITS)	07/28/83-08/20/96	67	7.32	7.459	8.48	6.5	0.211	0.459	6.908	7.13	7.85	8.248
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/20/96	67	7.32	7.261	8.48	6.5	0.251	0.501	6.908	7.13	7.85	8.248
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/20/96	67	0.048	0.055	0.316	0.003	0.003	0.052	0.006	0.014	0.074	0.124
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-07/23/96	44	25.	25.273	56.	12.	63.924	7.995	16.5	19.25	29.75	34.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-07/23/96	44	5.	5.318	10.	1.	4.129	2.032	3.	4.	7.	8.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/29/88-07/23/96	44	19.	19.955	51.	7.	56.137	7.492	12.5	15.	23.75	26.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	67	0.16	0.192	0.964	0.02	0.021	0.144	0.07	0.1	0.24	0.347
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	67	0.011	0.034	0.44	0.005	0.005	0.069	0.005	0.01	0.03	0.05
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	67	0.3	0.295	0.71	0.06	0.012	0.111	0.16	0.21	0.34	0.402
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-12/02/93	55	0.7	0.689	1.5	0.4	0.048	0.218	0.46	0.5	0.8	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/02/93	55	0.12	0.122	0.27	0.06	0.001	0.034	0.09	0.1	0.14	0.16
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	59	0.04	0.043	0.14	0.01	0.001	0.023	0.02	0.03	0.05	0.07
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/20/96	65	0.03	0.032	0.08	0.005	0.	0.019	0.01	0.02	0.04	0.06
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-07/23/96	67	4.7	4.819	11.1	2.2	3.142	1.772	2.88	3.5	6.	7.
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/15/89-08/20/96	40	7.25	6.405	9.	1.5	4.366	2.09	2.82	5.725	7.9	8.19
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-12/11/91	27	6300.	5648.519	15000.	50.	11386866.952	3374.443	420.	3800.	7900.	8752.

** - Less than 9 observations ## - Computed 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: PETE0008

NPS Station ID: PETE0008
LAT/LON: 37.312781/ -77.233059
Agency: CHESBAY
Date Created: 08/24/84
Location: RED BUOY 107 JRWQMP STA.13
FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): TF5.5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 5.880
Distance from RF1: 8.40
On/Off RF1: OFF
RF3 Index: 02080207028800.00
RF3 Mile Point: 0.84
Distance from RF3: 0.40
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0008

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: PETE0009

NPS Station ID: PETE0009 LAT/LON: 37.312781/ -77.236392 Agency: 21VASWCB Date Created: / /
Location: BUOY 108 FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS075.24 /VA2-02-X0127/VA2-4X0127
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206043 RF1 Mile Point: 5.140 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 020802060041O1.70 RF3 Mile Point: 1.91 Distance from RF3: 0.26 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02 TOPO MAP #: 0142 TOPO MAP NAME: WESTOVER, VA

Parameter Inventory for Station: PETE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/74-06/28/83	38	22.4	21.847	30.	5.6	41.788	6.464	10.95	18.175	27.85	29.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/04/75-07/16/80	19	13.	14.3	21.	6.7	17.143	4.14	9.	11.	17.	20.
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/18/82-06/28/83	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-06/28/83	13	198.	228.385	463.	131.	9253.256	96.194	140.2	157.5	300.	410.2
00300	OXYGEN, DISSOLVED MG/L	06/07/74-06/28/83	39	7.5	7.746	12.5	4.2	3.227	1.796	5.7	6.6	8.6	10.5
00310	BOD, 5 DAY, 20 DEG C MG/L	06/04/75-06/28/83	30	3.	3.033	6.	1.	1.826	1.351	1.1	2.	4.	5.
00340	COD, .25N K2CR2O7 MG/L	06/04/75-06/28/83	32	14.	21.906	220.	2.	1391.443	37.302	3.8	8.25	21.	32.3
00400	PH (STANDARD UNITS)	06/07/74-06/28/83	39	7.5	7.523	9.2	6.7	0.228	0.477	7.	7.2	7.7	8.
00400	CONVERTED PH (STANDARD UNITS)	06/07/74-06/28/83	39	7.5	7.348	9.2	6.7	0.259	0.509	7.	7.2	7.7	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/74-06/28/83	39	0.032	0.045	0.2	0.001	0.001	0.039	0.01	0.02	0.063	0.1
00480	SALINITY - PARTS PER THOUSAND	11/18/82-06/28/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/07/74-06/28/83	31	139.	142.806	321.	81.	1936.961	44.011	102.2	118.	145.	205.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/07/74-06/28/83	31	36.	41.258	100.	15.	308.265	17.557	24.	30.	54.	67.6
00510	RESIDUE, TOTAL FIXED (MG/L)	06/07/74-06/28/83	31	91.	101.452	288.	26.	2156.656	46.44	56.	79.	115.	163.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/81-07/27/81	1	133.	133.	133.	133.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-06/28/83	37	20.	21.432	50.	1.	87.197	9.338	8.8	16.	27.5	33.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/07/74-06/28/83	36	6.	6.097	30.	0.	29.455	5.427	1.	3.	7.75	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/07/74-06/28/83	37	14.	15.446	40.	0.	73.219	8.557	4.	10.5	20.	27.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-06/28/83	39	0.2	0.291	1.399	0.05	0.085	0.292	0.05	0.1	0.3	0.5
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	39	0.03	0.051	0.24	0.005	0.003	0.057	0.005	0.01	0.07	0.16
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	39	0.32	0.423	1.759	0.09	0.115	0.339	0.18	0.22	0.47	0.9
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/74-06/28/83	39	0.5	0.62	1.699	0.1	0.106	0.326	0.3	0.4	0.8	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-06/28/83	13	0.1	0.1	0.2	0.05	0.001	0.035	0.05	0.1	0.1	0.16
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/19/80-06/28/83	13	0.06	0.057	0.11	0.01	0.001	0.026	0.018	0.035	0.07	0.098
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-06/28/83	13	8.	7.846	12.	3.	8.641	2.94	3.4	6.	11.	12.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/07/74-04/24/79	26	10.	10.962	30.	4.	27.958	5.288	5.7	7.75	11.75	17.3
01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-10/28/82	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-10/28/82	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-10/28/82	7 ##	5.	3.143	5.	0.5	5.393	2.322	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-10/28/82	7 ##	5.	10.	30.	5.	83.333	9.129	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-10/28/82	7	5.	5.429	12.	1.	17.286	4.158	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-05/22/78	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/16/81-10/28/82	4	20.	25.	50.	10.	300.	17.321	**	**	**	**

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

Parameter Inventory for Station: PETE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-10/28/82	7	10.	17.857	50.	5.	357.143	18.898	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	38 ##	50.	118.421	700.	50.	23705.548	153.966	50.	50.	100.	320.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	38 ##	1.699	1.899	2.845	1.699	0.108	0.329	1.699	1.699	2.	2.499
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			79.321								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	06/07/74-04/24/79	26 ##	0.05	0.069	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/07/74-04/24/79	26	0.05	0.04	0.1	0.005	0.	0.021	0.009	0.028	0.05	0.06
71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-10/28/82	7 ##	0.15	0.193	0.25	0.15	0.003	0.053	**	**	**	**

** - 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: PETE0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-3/09---------- Obs	Exceed	Prop.	----------3/10-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	19	0	0.00	8	0	0.00	1	0	0.00	10	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	39	0	0.00	14	0	0.00	7	0	0.00	18	0	0.00			
00400	PH	Other-Hi Lim.	9.	39	1	0.03	14	1	0.07	7	0	0.00	18	0	0.00			
		Other-Lo Lim.	6.5	39	0	0.00	14	0	0.00	7	0	0.00	18	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	39	0	0.00	14	0	0.00	7	0	0.00	18	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	39	0	0.00	14	0	0.00	7	0	0.00	18	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	26	0	0.00	10	0	0.00	3	0	0.00	13	0	0.00			
		Drinking Water	250.	26	0	0.00	10	0	0.00	3	0	0.00	13	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00			
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.	7	0	0.00				2	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14				2	1	0.50	5	0	0.00			
		Drinking Water	1300.	7	0	0.00				2	0	0.00	5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	15.	7	0	0.00				2	0	0.00	5	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.	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.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	5000.	7	0	0.00				2	0	0.00	5	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	6	0.16	14	2	0.14	6	1	0.17	18	3	0.17			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00				1	0	0.00	1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00				1	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	2.	7	0	0.00				2	0	0.00	5	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/74-06/28/83	14	27.35	26.386	30.	20.6	9.604	3.099	20.85	24.25	28.625	29.5
00300	OXYGEN, DISSOLVED MG/L	06/07/74-06/28/83	14	6.8	6.879	11.8	4.2	3.613	1.901	4.35	5.675	7.725	10.2
00310	BOD, 5 DAY, 20 DEG C MG/L	06/04/75-06/28/83	9	4.	3.889	6.	2.	2.611	1.616	2.	2.	5.5	6.
00340	COD, .25N K2CR2O7 MG/L	06/04/75-06/28/83	11	18.	18.818	45.	2.	156.764	12.521	3.2	8.	24.	43.
00400	PH (STANDARD UNITS)	06/07/74-06/28/83	14	7.5	7.607	9.2	6.7	0.408	0.639	6.85	7.35	7.725	8.95
00400	CONVERTED PH (STANDARD UNITS)	06/07/74-06/28/83	14	7.5	7.335	9.2	6.7	0.488	0.699	6.85	7.35	7.725	8.95
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/74-06/28/83	14	0.032	0.046	0.2	0.001	0.003	0.051	0.001	0.019	0.046	0.15
00500	RESIDUE, TOTAL (MG/L)	06/07/74-06/28/83	9	144.	152.333	210.	137.	529.5	23.011	137.	139.5	157.5	210.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/07/74-06/28/83	9	37.	41.556	72.	24.	248.278	15.757	24.	30.	53.	72.
00510	RESIDUE, TOTAL FIXED (MG/L)	06/07/74-06/28/83	9	109.	110.778	166.	79.	665.694	25.801	79.	91.	120.5	166.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-06/28/83	12	21.	21.833	30.	16.	33.97	5.828	16.	16.	27.75	29.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/07/74-06/28/83	11	6.	6.455	18.	0.	20.873	4.569	0.6	4.	7.	16.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/07/74-06/28/83	12	14.	15.75	25.	10.	25.477	5.048	10.3	12.	20.5	24.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-06/28/83	14	0.2	0.279	1.299	0.05	0.104	0.323	0.05	0.1	0.325	0.9
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	14	0.06	0.078	0.24	0.005	0.005	0.07	0.005	0.028	0.145	0.2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	14	0.36	0.463	1.759	0.2	0.157	0.396	0.205	0.22	0.508	1.195
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/74-06/28/83	14	0.5	0.643	1.299	0.3	0.113	0.337	0.3	0.375	0.925	1.25
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	14 ##	50.	92.857	300.	50.	5329.67	73.005	50.	50.	100.	250.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	14 ##	1.699	1.884	2.477	1.699	0.066	0.256	1.699	1.699	2.	2.389
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			76.483								

** - Less than 9 observations ## - Computed with 50% or more 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: 10/16 to 3/09 - Station PETE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/74-06/28/83	7	11.	12.143	18.8	5.6	20.02	4.474	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/74-06/28/83	7	9.4	9.114	12.5	6.6	4.638	2.154	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/04/75-06/28/83	6	3.	2.833	5.	1.	2.567	1.602	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	06/04/75-06/28/83	6	20.	18.	26.	2.	74.	8.602	**	**	**	**
00400	PH (STANDARD UNITS)	06/07/74-06/28/83	7	7.3	7.386	7.9	6.9	0.115	0.339	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/07/74-06/28/83	7	7.3	7.281	7.9	6.9	0.128	0.357	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/74-06/28/83	7	0.05	0.052	0.126	0.013	0.001	0.038	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/07/74-06/28/83	6	166.	191.167	321.	137.	4956.167	70.4	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/07/74-06/28/83	6	34.	40.333	69.	26.	238.667	15.449	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/07/74-06/28/83	6	136.	150.833	288.	68.	5747.767	75.814	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-06/28/83	7	30.	26.	50.	1.	299.667	17.311	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/07/74-06/28/83	7	4.	7.929	30.	0.5	107.536	10.37	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/07/74-06/28/83	7	21.	18.071	40.	0.	274.036	16.554	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-06/28/83	7	0.3	0.371	0.8	0.2	0.042	0.206	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	7	0.05	0.072	0.17	0.005	0.005	0.068	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	7	0.75	0.746	1.4	0.32	0.158	0.397	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/74-06/28/83	7	0.7	0.7	0.9	0.4	0.033	0.183	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	6 ##	50.	83.333	200.	50.	3666.667	60.553	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	6 ##	1.699	1.849	2.301	1.699	0.063	0.252	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			70.711								

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/74-06/28/83	17	22.	22.106	29.	12.2	22.028	4.693	14.44	19.	25.75	28.92
00300	OXYGEN, DISSOLVED MG/L	06/07/74-06/28/83	18	7.6	7.889	10.8	6.4	1.402	1.184	6.49	7.1	8.575	9.9
00310	BOD, 5 DAY, 20 DEG C MG/L	06/04/75-06/28/83	15	3.	2.6	4.	1.	0.686	0.828	1.6	2.	3.	4.

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340	COD, .25N K2CR2O7 MG/L	06/04/75-06/28/83	15	12.	25.733	220.	2.	2912.924	53.972	5.6	8.	16.	102.4
00400	PH (STANDARD UNITS)	06/07/74-06/28/83	18	7.5	7.511	8.5	7.	0.142	0.377	7.	7.275	7.7	8.05
00400	CONVERTED PH (STANDARD UNITS)	06/07/74-06/28/83	18	7.5	7.389	8.5	7.	0.158	0.398	7.	7.275	7.7	8.05
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/74-06/28/83	18	0.032	0.041	0.1	0.003	0.001	0.029	0.009	0.02	0.053	0.1
00500	RESIDUE, TOTAL (MG/L)	06/07/74-06/28/83	16	119.	119.313	146.	81.	360.763	18.994	84.5	109.	135.75	145.3
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/07/74-06/28/83	16	36.5	41.438	100.	15.	404.129	20.103	19.9	28.5	54.	69.9
00510	RESIDUE, TOTAL FIXED (MG/L)	06/07/74-06/28/83	16	83.	77.688	101.	26.	412.363	20.307	40.	73.25	90.25	100.3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-06/28/83	18	18.5	19.389	33.	6.	43.781	6.617	8.7	16.	22.25	33.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/07/74-06/28/83	18	6.	5.167	10.	1.	8.029	2.834	1.	2.75	7.25	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/07/74-06/28/83	18	14.	14.222	27.	4.	37.359	6.112	5.8	9.5	18.	26.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-06/28/83	18	0.2	0.269	1.399	0.05	0.092	0.304	0.05	0.1	0.3	0.5
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	18	0.02	0.021	0.05	0.005	0.	0.013	0.005	0.01	0.03	0.041
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/28/83	18	0.245	0.267	0.5	0.09	0.011	0.104	0.144	0.203	0.34	0.428
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/74-06/28/83	18	0.5	0.572	1.699	0.1	0.134	0.366	0.19	0.4	0.8	1.07
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	18 ##	50.	150.	700.	50.	44411.765	210.741	50.	50.	100.	610.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/07/74-06/28/83	18 ##	1.699	1.928	2.845	1.699	0.165	0.406	1.699	1.699	2.	2.785
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			84.786								

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

Station Inventory for Station: PETE0010

NPS Station ID: PETE0010 LAT/LON: 37.312505/ -77.243338 Agency: 21VASWCB Date Created: 10/16/93
Location: JAMES RIVER BELOW GRAVELLY RUN - NEAR JORDAN PT. FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS075.64
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2- JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02 TOPO MAP #: 0142 TOPO MAP NAME: WESTOVER, VA

Parameter Inventory for Station: PETE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/23/92-06/23/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	06/23/92-06/23/92	3 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/92-06/23/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/92-06/23/92	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/23/92-06/23/92	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/23/92-06/23/92	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/92-06/23/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	06/23/92-06/23/92	3 ##	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/23/92-06/23/92	1	78.	78.	78.	78.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/23/92-06/23/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	06/23/92-06/23/92	3	0.48	0.57	0.88	0.35	0.076	0.276	**	**	**	**
34252	BERYLLIUM WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34258	B-BHC-BETA WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34664	PCB - 1221 WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34667	PCB - 1232 WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.65	0.95	0.5	0.067	0.26	**	**	**	**
34674	PCB - 1016 WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.05	0.2	0.5	0.05	0.068	0.26	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	06/23/92-06/23/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
38744	CHLORPYRIFOS-METHYL TISWETWGTMG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/23/92-06/23/92	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	06/23/92-06/23/92	3	1.4	1.367	1.7	1.	0.123	0.351	**	**	**	**
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/23/92-06/23/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/23/92-06/23/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/23/92-06/23/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/23/92-06/23/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/23/92-06/23/92	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
45651	PCB - 1262, TISSUE, WET WEIGHT MG/KG	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/23/92-06/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/23/92-06/23/92	3 ##	0.015	0.023	0.04	0.015	0.	0.014	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/23/92-06/23/92	3	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/23/92-06/23/92	3	3.	3.	4.	2.	1.	1.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/23/92-06/23/92	3	11.	11.333	17.	6.	30.333	5.508	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/23/92-06/23/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/23/92-06/23/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/23/92-06/23/92	3	5.	11.	25.	3.	148.	12.166	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	06/23/92-06/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	06/23/92-06/23/92	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	06/23/92-06/23/92	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0011

NPS Station ID: PETE0011
LAT/LON: 37.307504/ -77.243615
Agency: 11NORCOR
Date Created: 06/09/79
Location: DM 109
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR185
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206041
RF1 Mile Point: 5.120
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 020802060041O1.70
RF3 Mile Point: 1.84
Distance from RF3: 0.07
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0011

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)	05/13/77-05/13/77	1	2.99	2.99	2.99	2.99	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	19.15	19.15	19.15	19.15	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	130.	130.	130.	130.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0012

NPS Station ID: PETE0012
LAT/LON: 37.294170/ -77.250005
Agency: 11NORCOR
Date Created: 06/09/79
Location: BAILEY CREEK
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR188
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 7.380
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206004105.31
RF3 Mile Point: 6.46
Distance from RF3: 0.03
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0012

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)	05/13/77-05/13/77	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	33.2	33.2	33.2	33.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	590.	590.	590.	590.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0013

NPS Station ID: PETE0013
LAT/LON: 37.296670/ -77.252781
Agency: 1113VABD
Date Created: / /
Location: GRAVELLY RUN
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JMS-002 /JAMES R 2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: JAMES RIVER
Elevation: 0
Water Body Id:
Minor Basin: 200 YDS BELOW
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 7.020
Distance from RF1: 8.30
On/Off RF1: OFF
RF3 Index: 02080206181500.38
RF3 Mile Point: 0.47
Distance from RF3: 0.26
On/Off RF3:
Description:
INVESTIGATION OF GREASE SPILL FROM CONTINENTAL CAN COMP. ON COMPLAINT

Parameter Inventory for Station: PETE0013

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: PETE0014

NPS Station ID: PETE0014
LAT/LON: 37.296949/ -77.254449
Agency: 11NORCOR
Date Created: 06/09/79
Location: GRAVELLY RUN
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR187
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 7.020
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206015500.00
RF3 Mile Point: 0.01
Distance from RF3: 0.18
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0014

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)	05/13/77-05/13/77	1	2.98	2.98	2.98	2.98	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	24.9	24.9	24.9	24.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	28.25	28.25	28.25	28.25	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	716.	716.	716.	716.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0015

NPS Station ID: PETE0015
Location: GRAVELLY RUN
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: JAMES RIVER
Minor Basin: GRAVELLY MOUTH OF
RF1 Index: 02080206043
RF3 Index: 02080206004105.31
Description:

LAT/LON: 37.297226/ -77.255838
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 7.020
RF3 Mile Point: 6.41

Agency: 1113VABD
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
STORET Station ID(s): GRA 002 /GRAVELLY R 2
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.11

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

Parameter Inventory for Station: PETE0015

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: PETE0016

NPS Station ID: PETE0016
LAT/LON: 37.290837/ -77.257226
Agency: 11NORCOR
Date Created: 06/09/79
Location: BAILEY CREEK MARSH
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR191
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 7.380
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206046500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.06
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0016

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)	05/13/77-05/13/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0017

NPS Station ID: PETE0017
LAT/LON: 37.286115/ -77.258337
Agency: 11NORCOR
Date Created: 06/09/79
Location: BAILEY CREEK MARSH
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR190
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 7.380
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206046700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0017

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)	05/13/77-05/13/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	19.2	19.2	19.2	19.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	230.	230.	230.	230.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0018

NPS Station ID: PETE0018 LAT/LON: 37.288476/ -77.259059 Agency: 21VASWCB Date Created: / /
Location: RT. 10 BRIDGE FIPS State/County: 51670 VIRGINIA/HOPEWELL (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-BLY000.65 /VA2-02-X0037/VA2-4X0037
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206043 RF1 Mile Point: 7.380 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206135700.96 RF3 Mile Point: 1.94 Distance from RF3: 0.02 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: BAILEY CREEK SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	305	18.3	18.217	36.7	0.	78.927	8.884	5.72	11.1	26.6	29.12
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	33	32.	32.724	100.	2.8	344.433	18.559	11.9	20.5	38.5	58.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/06/94-08/13/96	26	20.5	26.523	75.	3.5	332.191	18.226	9.5	14.875	35.5	59.7
00080	COLOR (PLATINUM-COBALT UNITS)	11/20/90-02/25/93	22	102.	111.091	195.	71.	1239.42	35.205	71.6	80.	126.75	177.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	132	468.5	456.818	1204.	9.	52009.57	228.056	171.6	276.75	581.5	756.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	80	376.	378.775	852.	96.	25223.417	158.819	185.9	242.	495.	581.3
00096	SALINITY AT 25 DEGREES C (MG/ML)	12/12/94-12/12/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	70	7.1	7.074	17.9	2.5	9.198	3.033	3.4	4.575	8.925	10.18
00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	226	5.25	5.071	20.3	0.	14.123	3.758	0.	1.775	8.1	9.93
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	229	8.	41.879	540.	1.	8537.281	92.397	3.	5.	15.	165.
00340	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	194	35.	40.691	512.	2.	1516.888	38.947	17.5	26.	46.25	67.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	291	7.12	7.43	11.5	1.	1.526	1.235	6.5	6.7	7.62	9.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	291	7.12	3.163	11.5	1.	19.8	4.45	6.5	6.7	7.62	9.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	291	0.076	687.439	100000.	0.	68491315.756	8275.948	0.	0.024	0.2	0.316
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	101	7.4	7.493	9.5	6.6	0.393	0.627	6.9	7.1	7.7	8.36
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	101	7.4	7.221	9.5	6.6	0.468	0.684	6.9	7.1	7.7	8.36
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	101	0.04	0.06	0.251	0.	0.003	0.057	0.004	0.02	0.079	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	101	66.	80.683	473.	19.	5207.499	72.163	33.	46.5	84.5	122.6
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	03/23/70-09/10/74	3	14.	241.333	700.	10.	157785.333	397.222	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	04/28/69-04/28/69	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	182	363.	727.797	3123.	15.	463947.224	681.137	167.	245.75	1081.5	1836.1
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	183	64.	149.344	701.	8.	21635.546	147.09	31.4	41.	248.	385.
00510p	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	180	295.5	578.9	2653.	36.	294310.672	542.504	131.3	193.	898.	1440.2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/10/77-07/15/80	3	290.	919.	2258.	209.	1346331.	1160.315	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	285	34.	42.725	370.	0.5	1623.164	40.289	11.	22.	49.	74.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	286	12.	17.649	189.	0.	434.014	20.833	4.	6.75	20.25	39.3
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	285	20.	25.277	318.	0.	827.96	28.774	5.	10.	30.	48.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	283	2.9	3.695	20.	0.02	10.566	3.251	0.412	1.209	5.5	8.
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	279	0.09	0.182	3.899	0.005	0.114	0.338	0.01	0.03	0.23	0.36
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	268	0.6	0.891	11.89	0.005	2.055	1.434	0.03	0.34	0.9	1.455
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	282	6.85	7.562	35.	0.35	32.869	5.733	1.199	3.299	10.048	14.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	15	0.32	0.495	1.9	0.025	0.287	0.536	0.025	0.09	0.69	1.48
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	190	0.255	0.275	2.	0.05	0.034	0.184	0.1	0.18	0.333	0.468

** - Less than 9 observations ## - 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: PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	130	0.16	0.216	5.	0.04	0.188	0.433	0.08	0.118	0.223	0.318
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	186	11.	12.959	38.	2.4	48.805	6.986	6.	8.	15.6	24.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	86	59.	61.942	132.	28.	275.655	16.603	44.	52.	67.25	83.9
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	86	41.5	45.198	250.	8.	1023.431	31.991	16.	25.	55.25	71.6
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	83	44.	49.94	179.	0.	827.74	28.77	21.	28.	66.	82.6
00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-04/19/93	39	0.13	0.15	0.42	0.05	0.01	0.099	0.05	0.05	0.19	0.3
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/89-01/21/93	40	12.95	12.36	16.5	4.7	9.195	3.032	7.72	10.425	14.8	15.88
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	21 ##	5.	10.095	140.	1.	888.54	29.808	1.	2.25	5.	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/30/80-09/17/91	3	9.	10.867	15.9	7.7	19.423	4.407	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/15/92-01/21/93	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/19/93	23 ##	5.	4.609	5.	0.5	1.681	1.296	2.3	5.	5.	5.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/17/91	3	0.64	0.592	1.	0.135	0.189	0.435	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/17/91	3	48.6	44.533	49.	36.	54.653	7.393	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/19/93	33 ##	5.	19.182	90.	3.	472.403	21.735	5.	5.	35.	56.
01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/19/93	33	10.	15.818	50.	5.	195.091	13.967	5.	5.	20.	40.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/80-09/17/91	3	64.	72.033	90.1	62.	245.803	15.678	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/22/70-04/19/93	13	1352.	1451.154	2072.	900.	156357.641	395.421	968.	1093.5	1809.5	2058.8
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/19/93	29	5.	12.862	64.	1.	211.98	14.56	4.	5.	19.5	30.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/80-09/17/91	3	45.	45.267	71.6	19.2	686.493	26.201	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/23/70-04/19/93	14	146.05	158.286	233.6	109.	1287.934	35.888	114.45	136.425	183.325	222.5
01059	THALLIUM, TOTAL (UG/L AS TL)	07/15/92-01/21/93	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/29/73-05/15/78	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	05/04/82-04/19/93	13 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-05/20/81	2	36.8	36.8	49.7	23.9	332.82	18.243	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/19/93	33	70.	221.182	1589.	5.	115416.778	339.73	14.8	21.	290.	630.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/80-09/17/91	3	486.	442.	550.	290.	18352.	135.47	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/90-04/19/93	11 ##	10.	10.545	31.	5.	51.273	7.16	5.	5.	10.	26.8
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/68-10/26/70	15	11000.	428564.	2300000.	230.48	27310625	97.143	694788.502	650.	11000.	930000.	1820000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/68-10/26/70	15	4.041	4.653	6.362	2.362	1.466	1.211	2.726	4.041	5.968	6.25
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			44928.123								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/02/94-08/13/96	22	490.	2253.773	16000.	45.	23342871.232	4831.446	87.6	205.	830.	13960.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/02/94-08/13/96	22	2.69	2.735	4.204	1.653	0.449	0.67	1.937	2.3	2.918	4.132
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			543.605								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	250	600.	6137.	780000.	0.	2493856105.422	49938.523	50.	100.	3200.	8000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	250	2.778	2.805	5.892	0.	0.692	0.832	1.699	2.	3.505	3.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			637.765								
32240	TANNIN AND LIGNIN (MG/L)	12/05/91-04/19/93	13	1.7	1.869	4.5	0.7	1.117	1.057	0.78	1.15	2.15	4.06
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/17/79-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	09/17/91-09/17/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/82-09/17/91	2 ##	25.	25.	50.	0.	1250.	35.355	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	09/17/91-09/17/91	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/17/91-09/17/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-03/13/85	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/17/91-09/17/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/17/91-09/17/91	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/30/80-09/30/80	1	3500.	3500.	3500.	3500.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	09/17/91-09/17/91	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/04/82-05/04/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-05/20/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	04/24/91-04/19/93	8	58.5	60.75	89.	44.	213.071	14.597	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	92	1.475	1.579	4.5	0.05	1.216	1.103	0.3	0.6	2.275	3.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	148	0.275	0.667	4.	0.03	0.661	0.813	0.07	0.093	0.975	2.
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/19/93	31 ##	0.25	0.216	0.5	0.15	0.005	0.072	0.15	0.15	0.25	0.25
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/80-09/17/91	3	0.3	0.483	1.1	0.05	0.301	0.548	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	09/17/91-09/17/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	09/17/91-09/17/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
82032	CALCIUM - TOTAL UG/L (AS CA)	07/15/92-01/21/93	2	17410.	17410.	19530.	15290.	8988800.	2998.133	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	08/15/91-06/01/94	31	21.	25.874	90.	6.2	351.542	18.749	9.	12.	33.	56.8

** - 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

EPA Water Quality Criteria Analysis for Station: PETE0018

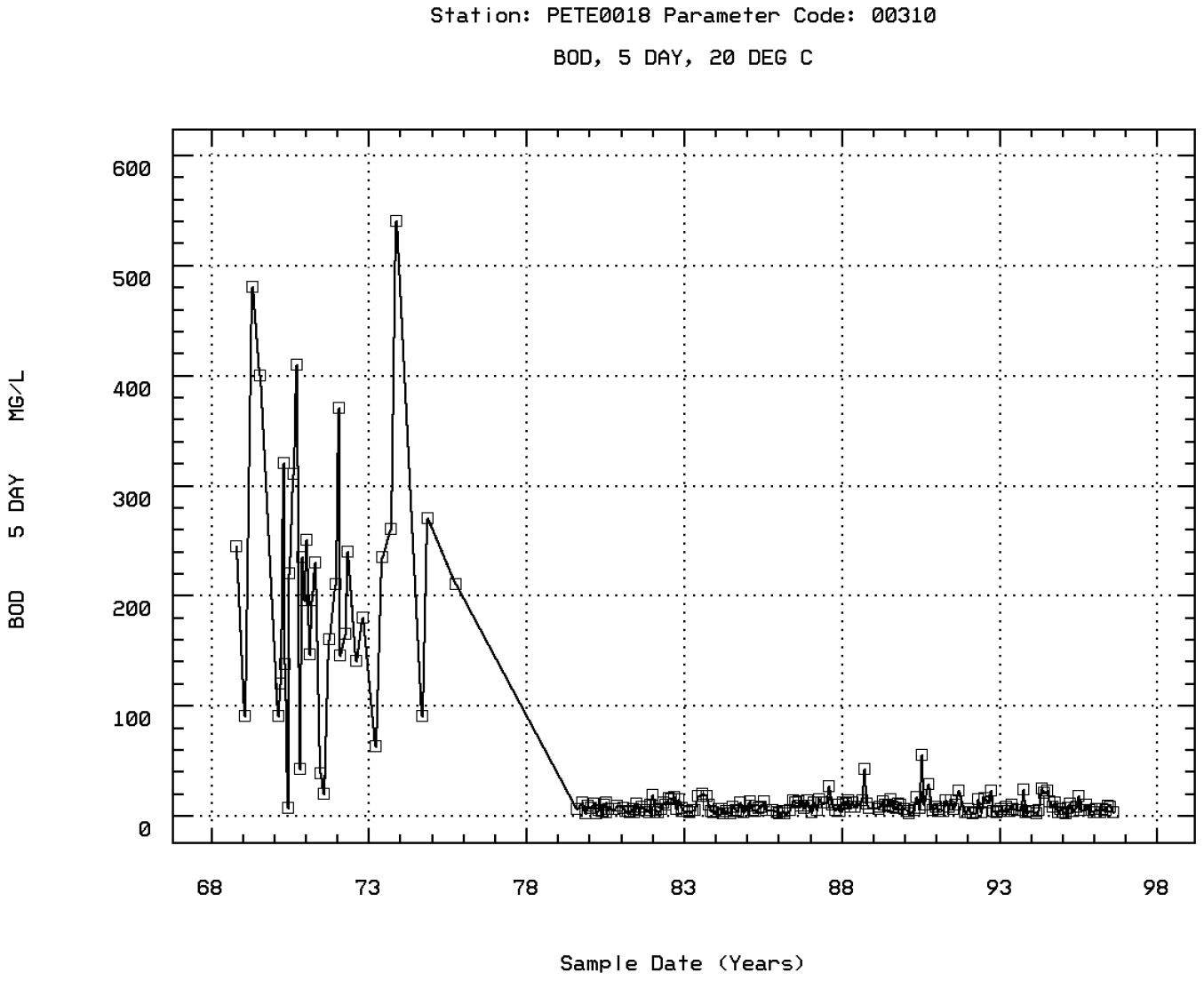
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	33	5	0.15	9	2	0.22	13	2	0.15	11	1	0.09			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	26	3	0.12	10	2	0.20	9	1	0.11	7	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	70	11	0.16	21	7	0.33	30	0	0.00	19	4	0.21			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	226	92	0.41	62	37	0.60	85	20	0.24	79	35	0.44			
00400	PH	Other-Hi Lim.	9.	291	44	0.15	86	11	0.13	110	15	0.14	95	18	0.19			
		Other-Lo Lim.	6.5	291	41	0.14	86	4	0.05	110	22	0.20	95	15	0.16			
00403	PH, LAB	Other-Hi Lim.	9.	101	5	0.05	29	2	0.07	39	1	0.03	33	2	0.06			
		Other-Lo Lim.	6.5	101	0	0.00	29	0	0.00	39	0	0.00	33	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	279	5	0.02	78	1	0.01	106	1	0.01	95	3	0.03			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	268	1	0.00	75	0	0.00	101	0	0.00	92	1	0.01			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	86	0	0.00	26	0	0.00	35	0	0.00	25	0	0.00			
		Drinking Water	250.	86	1	0.01	26	0	0.00	35	1	0.03	25	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	83	0	0.00	26	0	0.00	32	0	0.00	25	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	39	0	0.00	10	0	0.00	17	0	0.00	12	0	0.00			

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

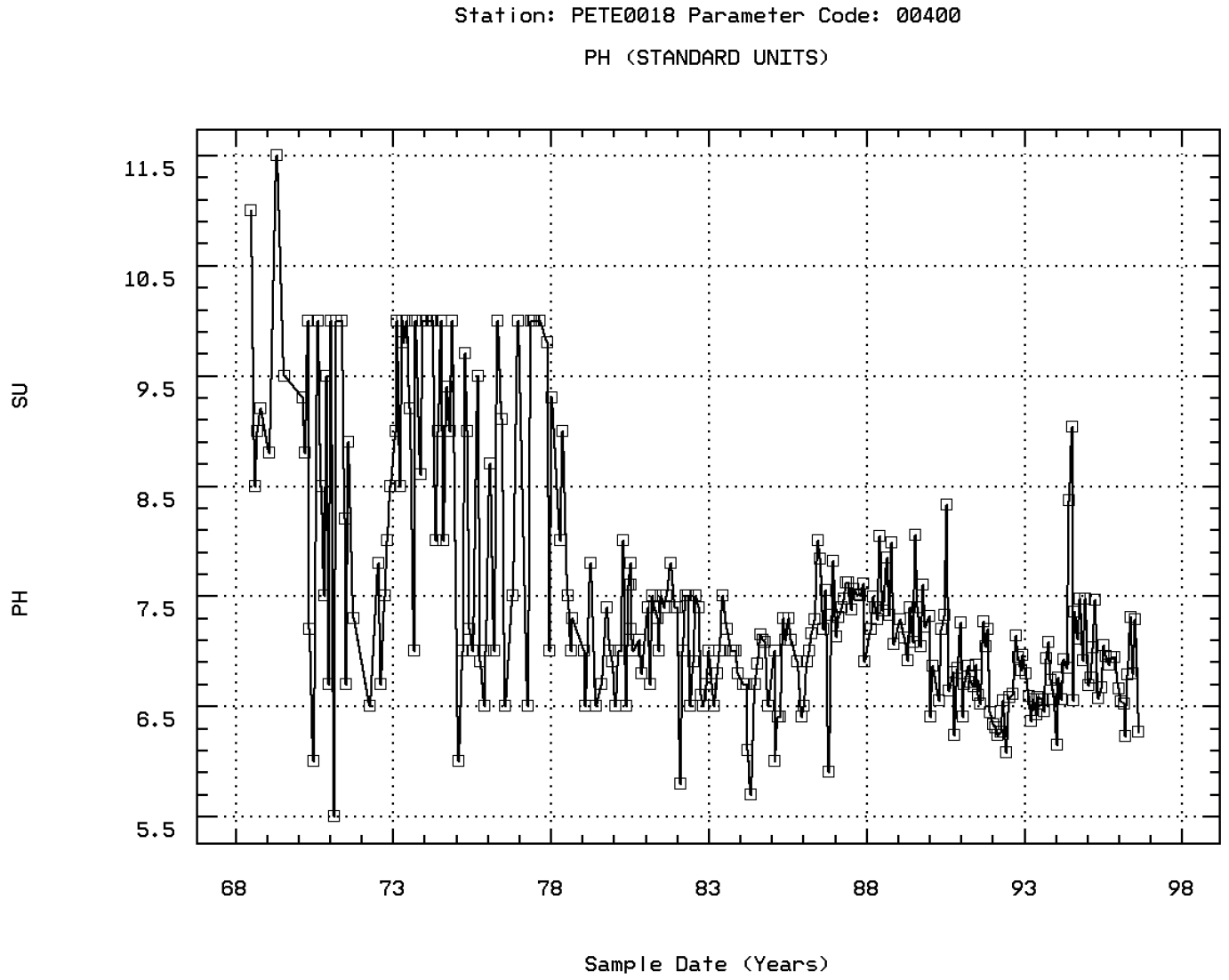
EPA Water Quality Criteria Analysis for Station: PETE0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01002	ARSENIC, TOTAL	Fresh Acute	360.	21	0	0.00	3	0	0.00	8	0	0.00	10	0	0.00			
		Drinking Water	50.	21	1	0.05	3	0	0.00	8	1	0.13	10	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
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.	33	0	0.00	4	0	0.00	13	0	0.00	16	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	33	11	0.33	4	0	0.00	13	5	0.38	16	6	0.38			
		Drinking Water	1300.	33	0	0.00	4	0	0.00	13	0	0.00	16	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	29	0	0.00	4	0	0.00	13	0	0.00	12	0	0.00			
		Drinking Water	15.	29	8	0.28	4	0	0.00	13	4	0.31	12	4	0.33			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00				3	0	0.00	6	0	0.00			
		Drinking Water	100.	9	0	0.00				3	0	0.00	6	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	13	0	0.00	2	0	0.00	6	0	0.00	5	0	0.00			
		Drinking Water	100.	13	0	0.00	2	0	0.00	6	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	33	13	0.39	4	1	0.25	13	5	0.38	16	7	0.44			
		Drinking Water	5000.	33	0	0.00	4	0	0.00	13	0	0.00	16	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	11	1	0.09	2	0	0.00	6	1	0.17	3	0	0.00			
		Drinking Water	50.	11	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	15	13	0.87	7	6	0.86	3	3	1.00	5	4	0.80			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	22	17	0.77	8	8	1.00	8	4	0.50	6	5	0.83			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	248 &	179	0.72	69	53	0.77	95	67	0.71	84	59	0.70			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	1.	3	0	0.00				1	0	0.00	2	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	3	0	0.00				1	0	0.00	2	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00				1	0	0.00	2	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00				1	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	3	0	0.00				1	0	0.00	2	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				1	0	0.00	2	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	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			
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			
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			
71900	MERCURY, TOTAL	Fresh Acute	2.4	31	0	0.00	5	0	0.00	13	0	0.00	13	0	0.00			
		Drinking Water	2.	31	0	0.00	5	0	0.00	13	0	0.00	13	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	31	4	0.13	9	1	0.11	12	1	0.08	10	2	0.20			

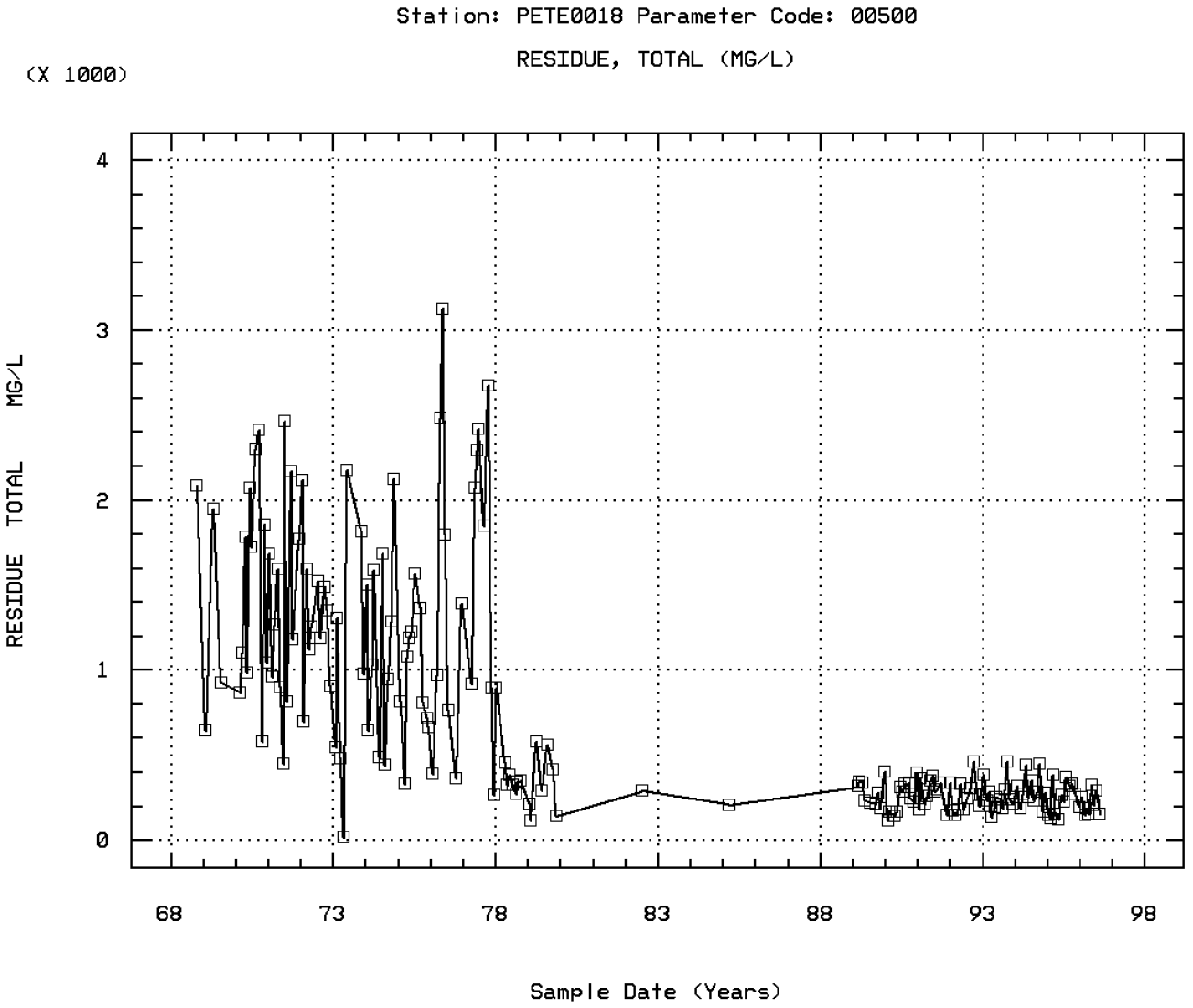
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter


Station: PETE0018 Parameter Code: 00310
BOD, 5 DAY, 20 DEG C
BOD 5 DAY MG/L
600
500
400
300
200
100
0
68
73
78
83
88
93
98
Sample Date (Years)

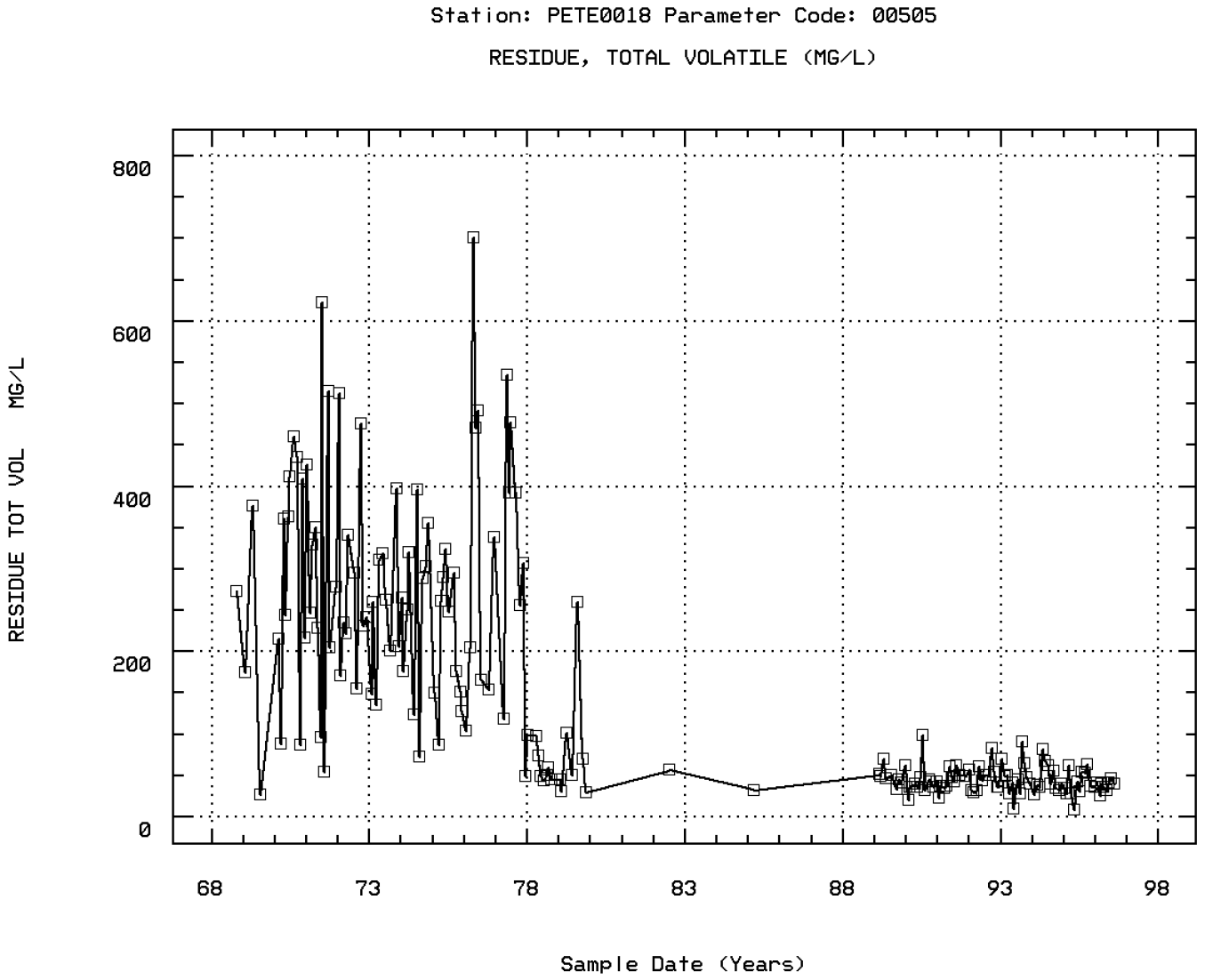
RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00400
PH (STANDARD UNITS)
PH
SU
11.5
10.5
9.5
8.5
7.5
6.5
5.5
68
73
78
83
88
93
98
Sample Date (Years)

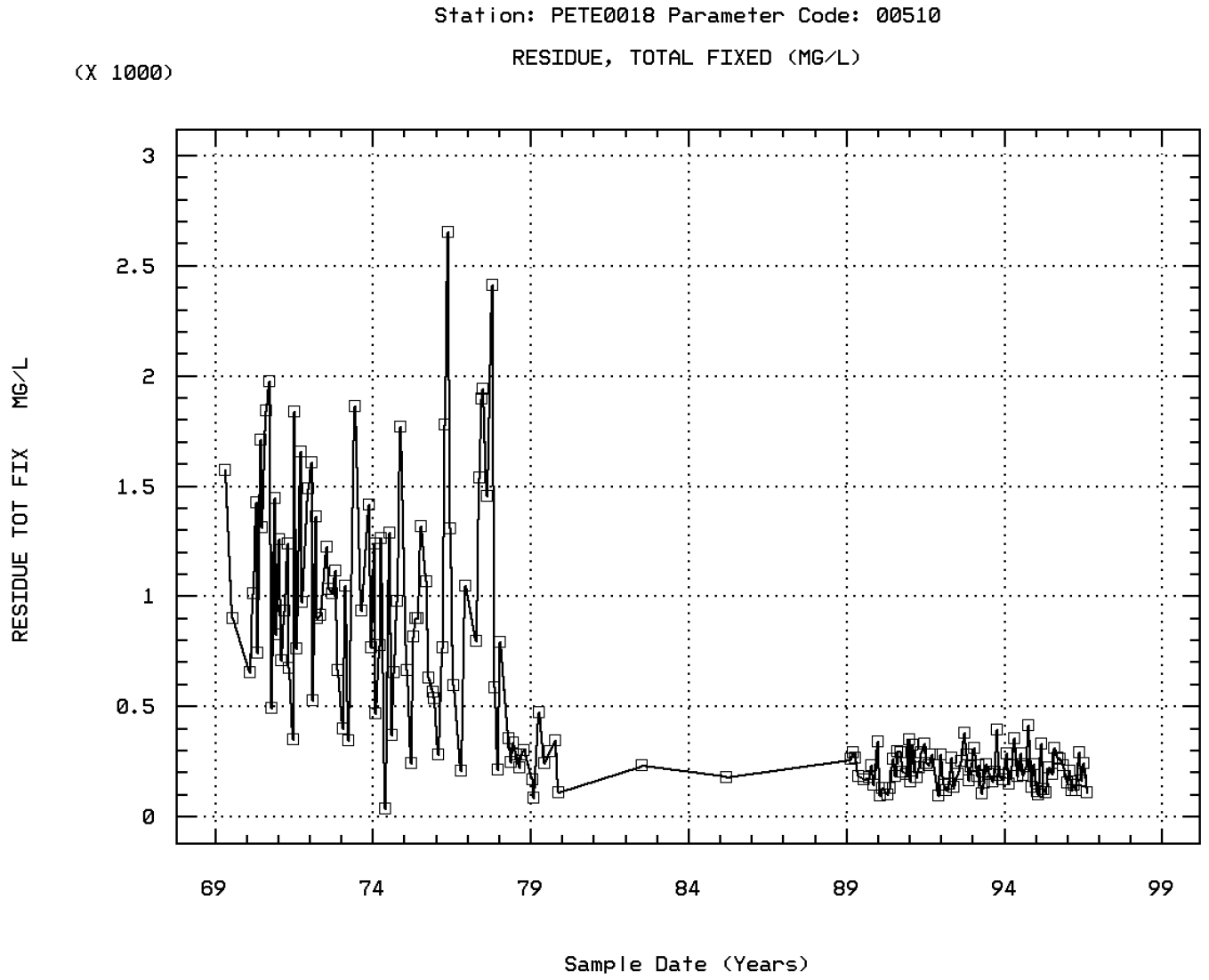
RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00500
RESIDUE, TOTAL (MG/L)
(X 1000)
RESIDUE TOTAL MG/L
4
3
2
1
0
68
73
78
83
88
93
98
Sample Date (Years)

RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00505
RESIDUE, TOTAL VOLATILE (MG/L)
RESIDUE TOT VOL MG/L
800
600
400
200
0
68
73
78
83
88
93
98
Sample Date (Years)

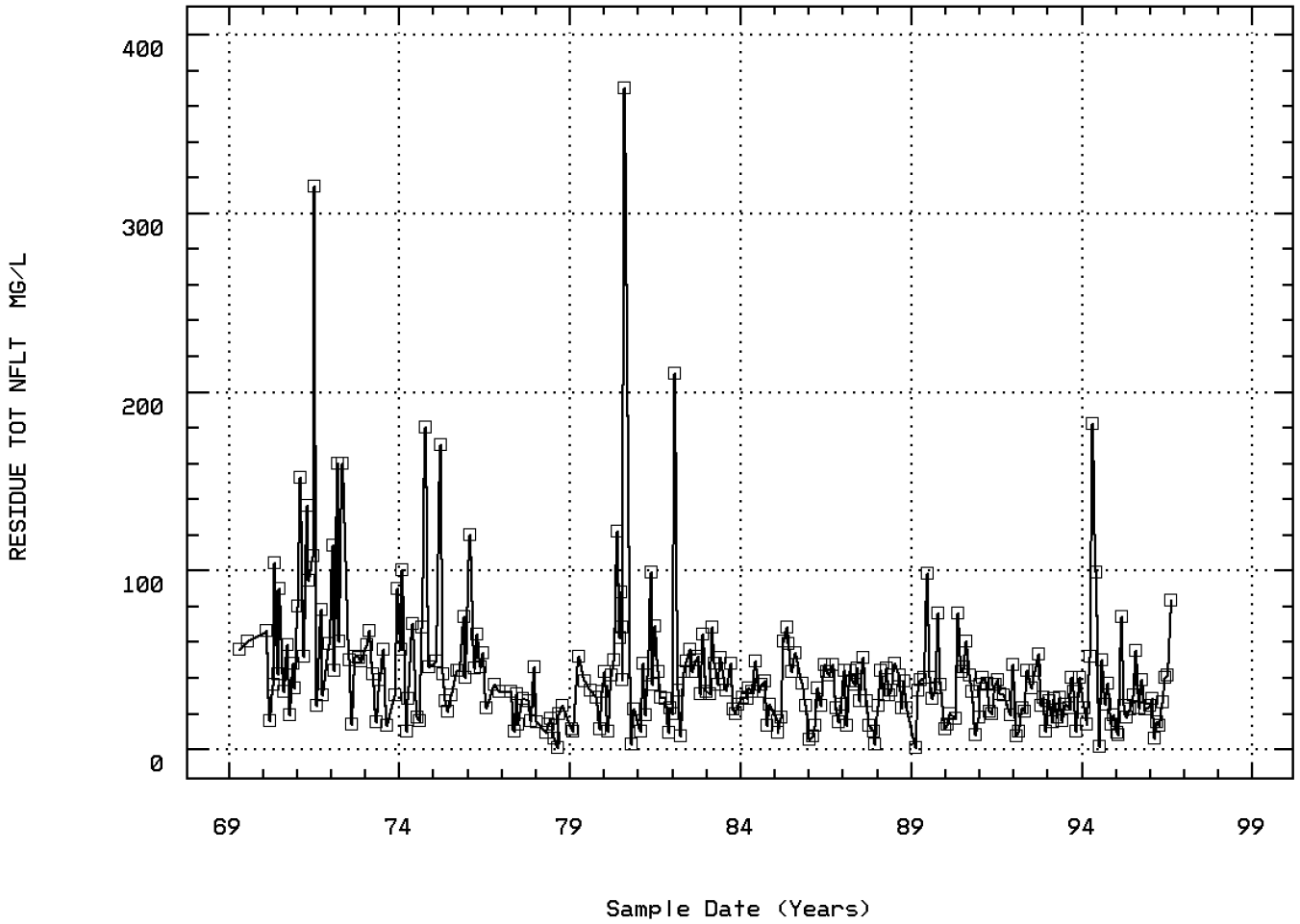
RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00510
RESIDUE, TOTAL FIXED (MG/L)
(X 1000)
RESIDUE TOT FIX MG/L
3
2.5
2
1.5
1
0.5
0
69
74
79
84
89
94
99
Sample Date (Years)

RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00530

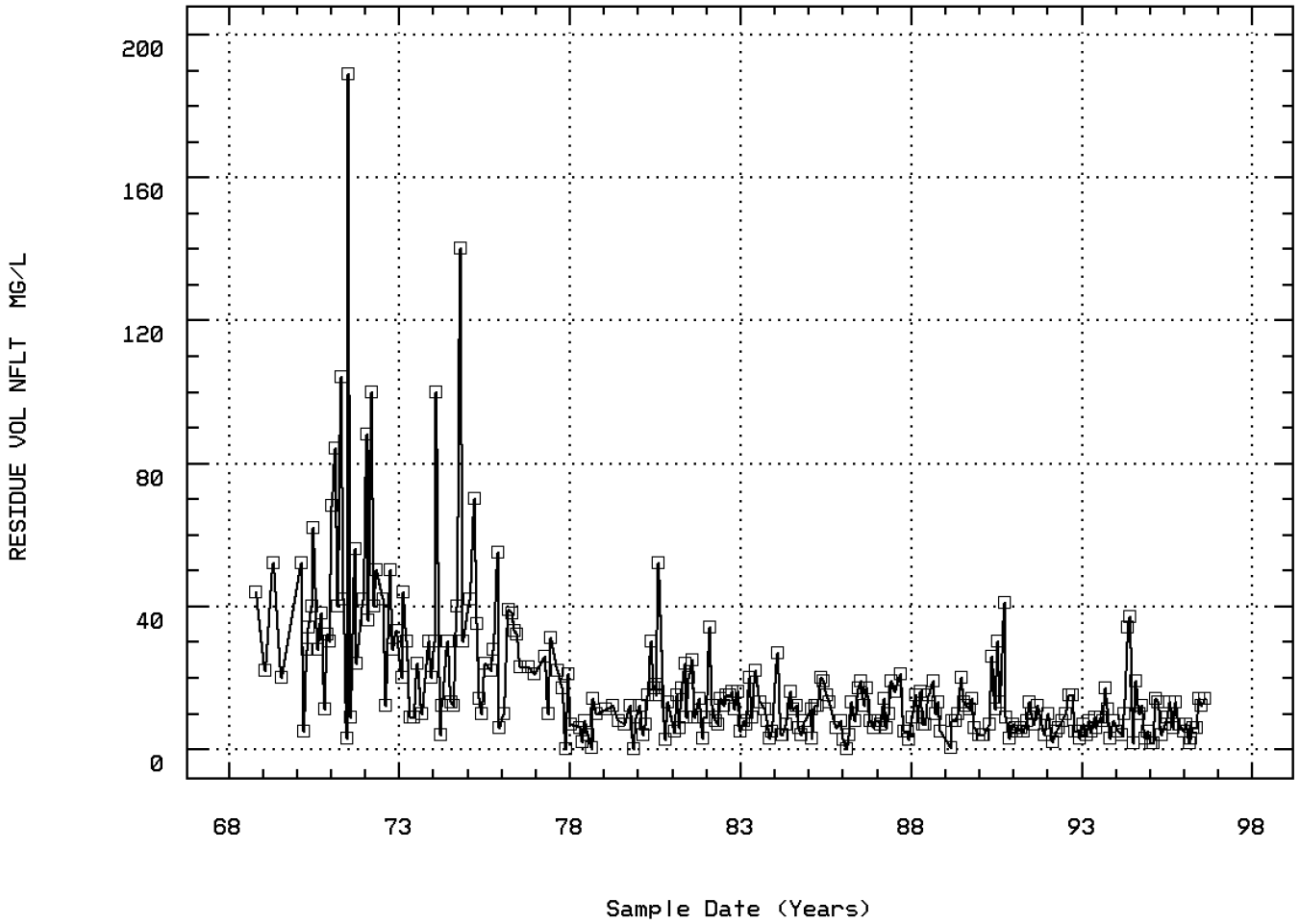
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00535

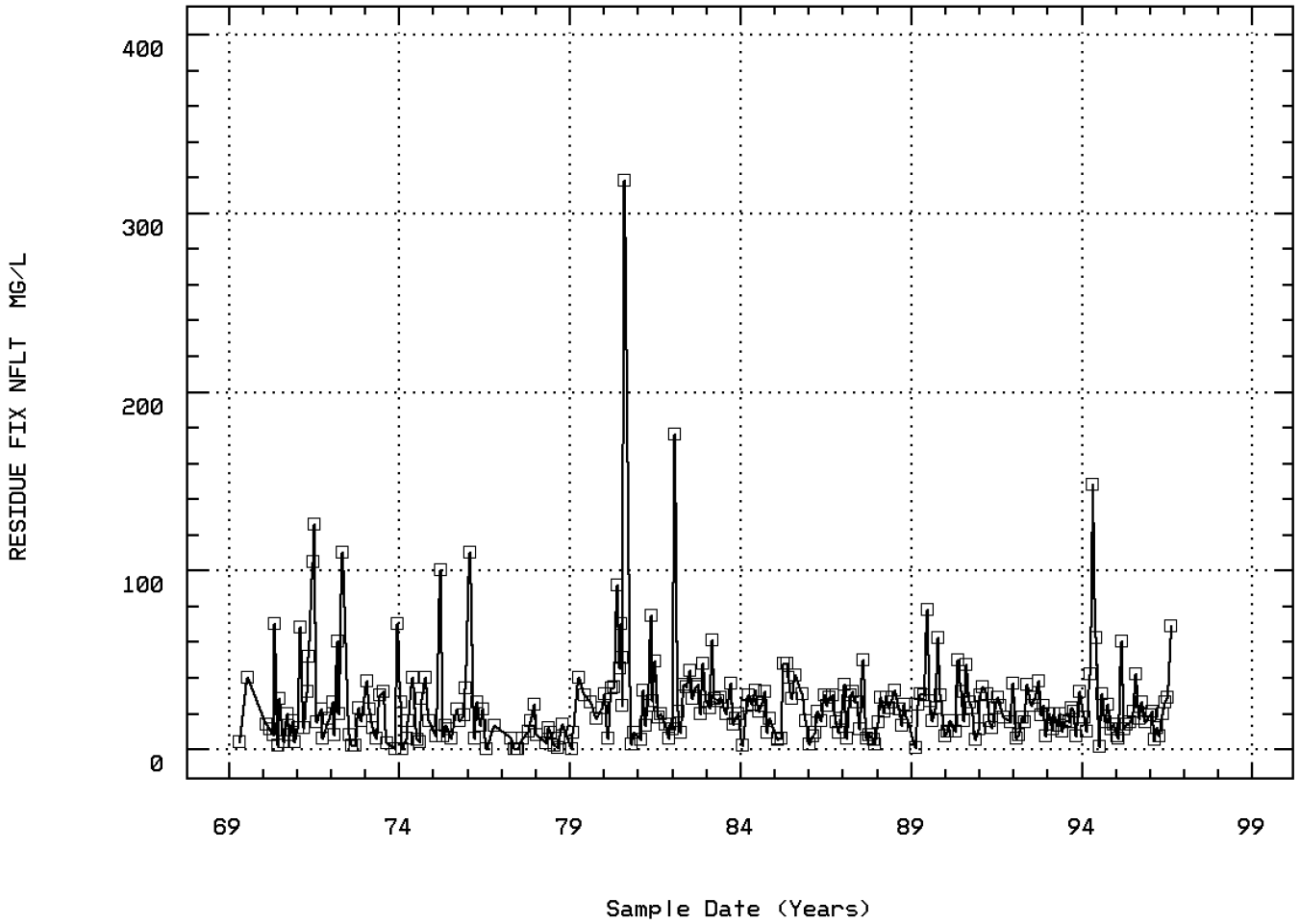
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00540

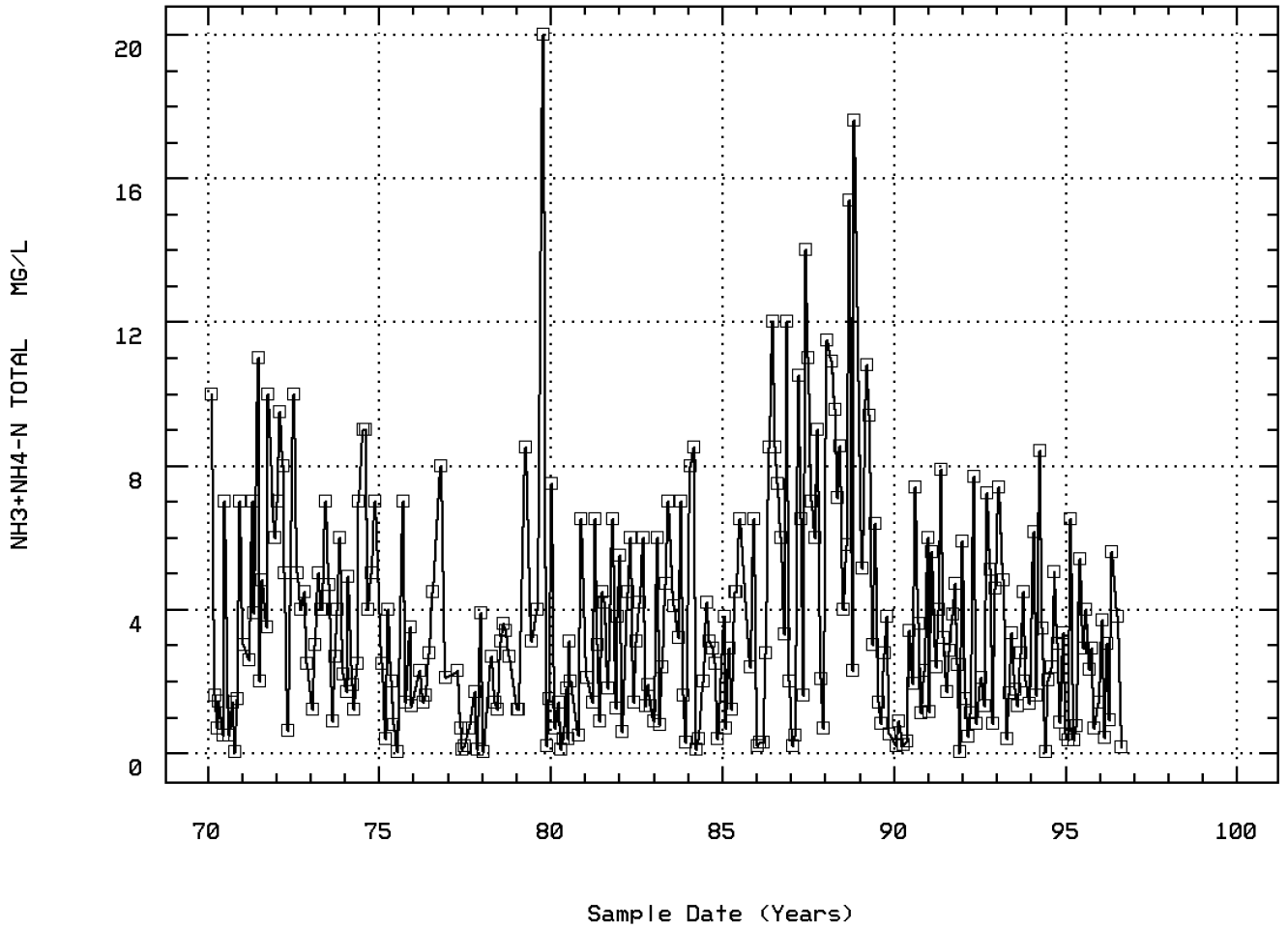
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00610

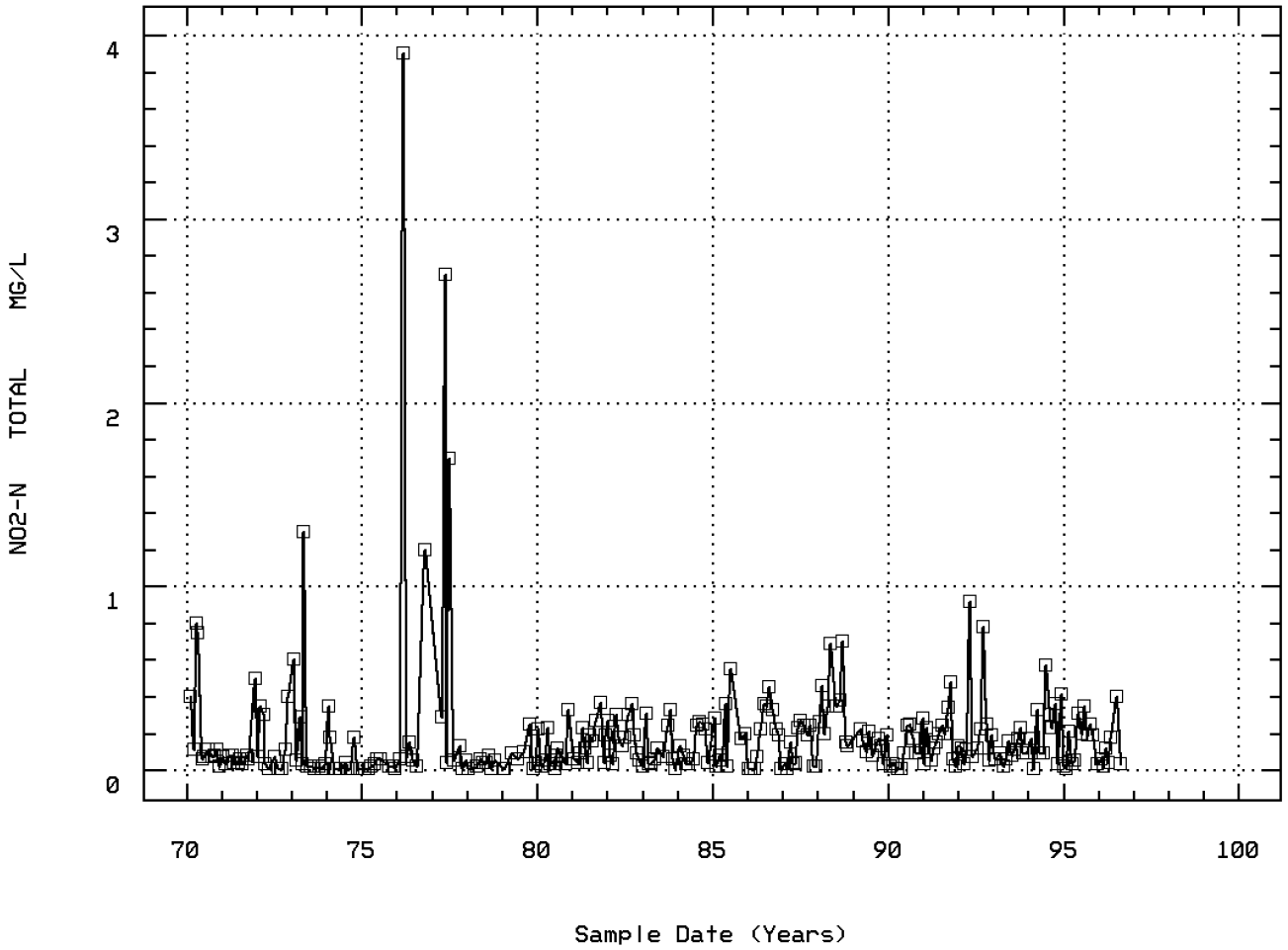
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



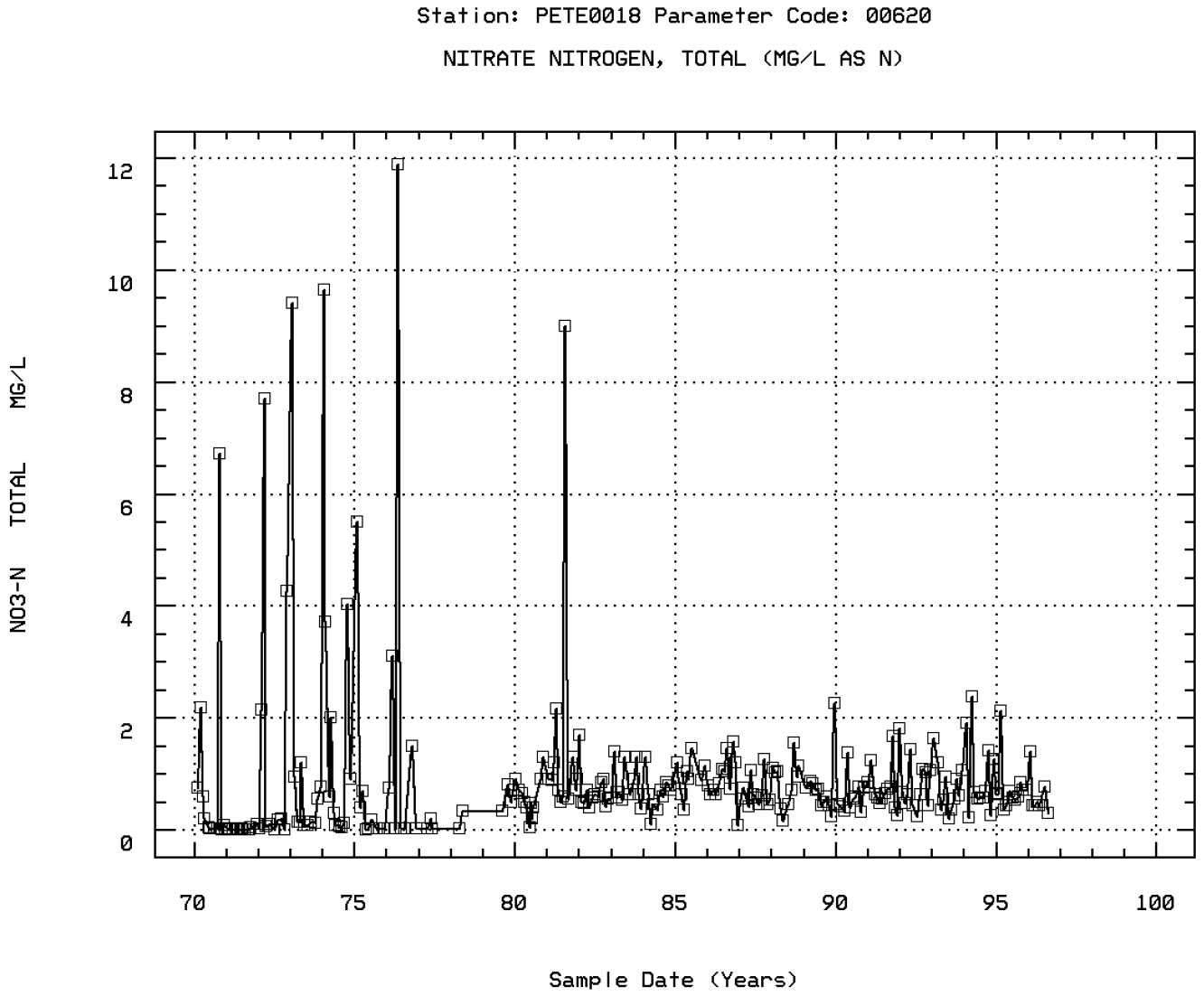
RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00615

NITRITE NITROGEN, TOTAL (MG/L AS N)



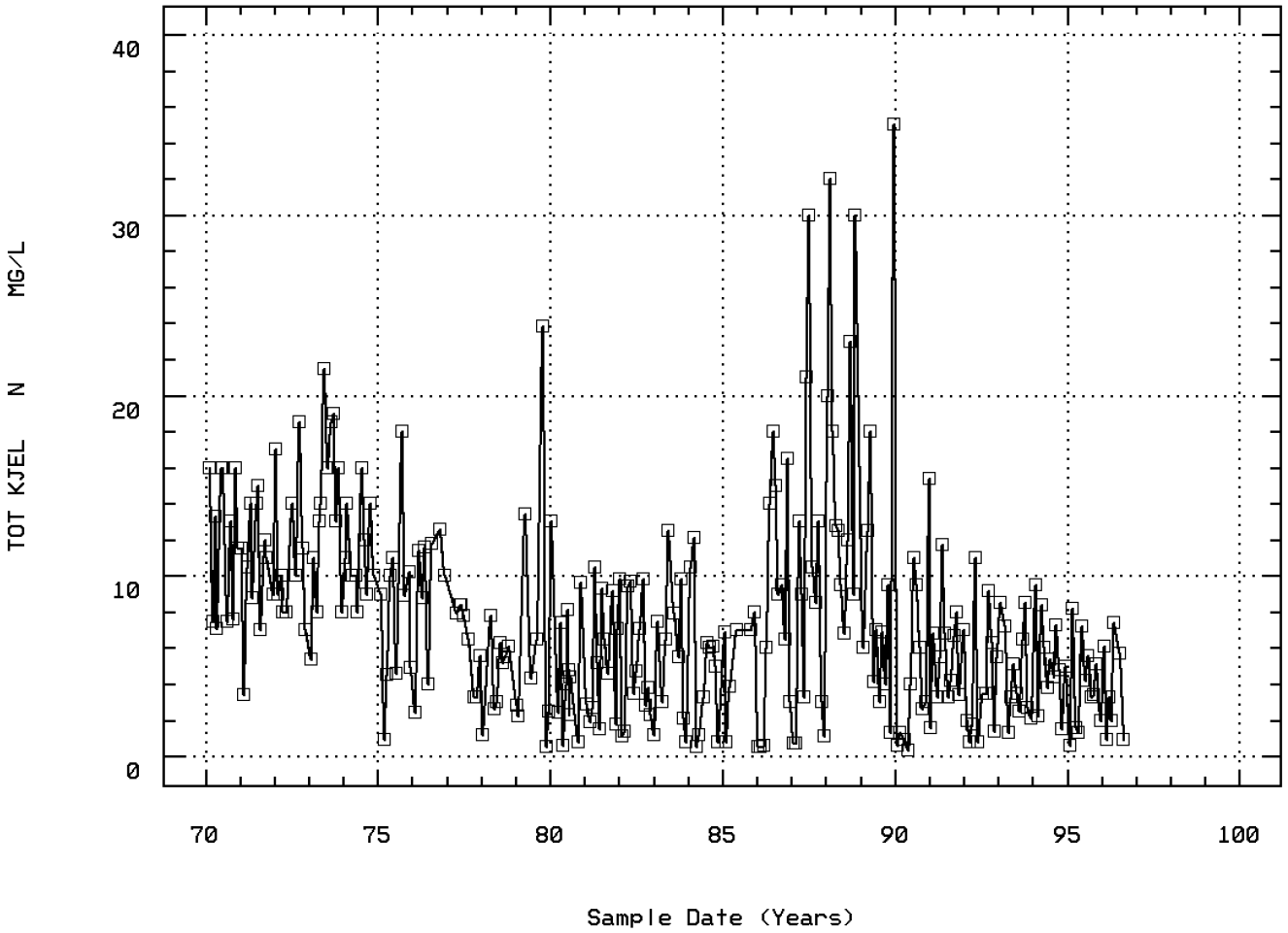
RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00620
NITRATE NITROGEN, TOTAL (MG/L AS N)
NO3-N TOTAL MG/L
0
2
4
6
8
10
12
70
75
80
85
90
95
100
Sample Date (Years)

RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00625

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



RT. 10 BRIDGE

Annual Analysis for 1968 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	4	29.45	29.6	33.9	25.6	16.553	4.069	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	4	0.	0.125	0.5	0.	0.063	0.25	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	1	245.	245.	245.	245.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	4	9.1	9.425	11.	8.5	1.189	1.09	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	4	9.089	8.921	11.	8.5	1.528	1.236	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	4	0.001	0.001	0.003	0.	0.	0.001	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	473.	473.	473.	473.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	1	2079.	2079.	2079.	2079.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	1	273.	273.	273.	273.	0.	0.	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	1	44.	44.	44.	44.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	3	24.4	21.1	26.7	12.2	60.73	7.793	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	4	440.	362.5	480.	90.	34425.	185.54	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	3	9.5	9.933	11.5	8.8	1.963	1.401	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	3	9.5	9.197	11.5	8.8	2.776	1.666	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	3	0.	0.001	0.002	0.	0.	0.001	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	3	9.	8.9	9.5	8.2	0.43	0.656	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	3	9.	8.595	9.5	8.2	0.57	0.755	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	3	0.001	0.003	0.006	0.	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	3	117.	169.667	332.	60.	20576.333	143.445	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	3	924.	1170.333	1947.	640.	472572.333	687.439	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	3	174.	192.	376.	26.	30868.	175.693	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	2	1234.5	1234.5	1571.	898.	226464.5	475.883	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	2	58.	58.	60.	56.	8.	2.828	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	3	22.	31.333	52.	20.	321.333	17.926	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	2	22.	22.	40.	4.	648.	25.456	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	14.7	17.083	28.9	7.8	57.789	7.602	8.46	11.25	25.85	28.72
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	0.	0.367	3.8	0.	1.199	1.095	0.	0.	0.	2.84
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	195.	189.736	410.	7.1	15560.965	124.744	14.08	90.	310.	392.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	8.8	8.455	10.	6.	1.939	1.392	6.14	7.2	9.5	10.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	8.8	6.927	10.	6.	4.504	2.122	6.14	7.2	9.5	10.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.002	0.118	1.	0.	0.089	0.299	0.	0.	0.063	0.84
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	4	8.6	8.6	9.2	8.	0.267	0.516	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	4	8.555	8.393	9.2	8.	0.324	0.569	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	4	0.003	0.004	0.01	0.001	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	4	199.	259.5	460.	180.	17947.667	133.969	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	11	1720.	1518.455	2408.	577.	393132.473	627.003	635.	983.	2071.	2386.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	11	360.	298.727	460.	86.	18384.818	135.591	86.4	215.	411.	455.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	11	1309.	1219.727	1973.	491.	257374.418	507.321	523.2	740.	1708.	1946.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	42.	49.545	104.	16.	779.473	27.919	16.6	32.	66.	101.2

** - 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 1970 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	32.	32.727	62.	5.	260.418	16.137	6.2	28.	40.	60.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	11.	16.818	70.	2.	370.964	19.26	2.4	4.	20.	61.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	1.449	2.882	10.	0.05	11.652	3.413	0.14	0.5	7.	9.4
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.11	0.235	0.8	0.02	0.081	0.285	0.028	0.07	0.4	0.79
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.08	0.969	6.719	0.005	4.057	2.014	0.008	0.03	0.75	5.813
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	13.	11.953	16.	7.099	15.078	3.883	7.179	7.5	16.	16.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	3	50000.	280000.	780000.	10000.187900000000.		433474.336	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	3	4.699	4.864	5.892	4.	0.915	0.957	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			73061.436								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	11	1.9	2.236	4.5	0.8	1.79	1.338	0.8	0.85	3.5	4.4
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	11	0.8	1.138	2.599	0.07	0.817	0.904	0.106	0.45	2.	2.599

** - Less than 9 observations ## - Computed with 50% or 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 PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	23.3	20.164	36.7	3.9	120.231	10.965	4.24	6.7	27.8	35.8
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	8	0.	1.25	6.	0.	5.643	2.375	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	8	177.5	156.125	250.	20.	7326.411	85.594	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	8	8.55	8.325	10.	5.5	2.919	1.709	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	8	8.422	6.369	10.	5.5	7.291	2.7	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	8	0.004	0.427	3.162	0.	1.226	1.107	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	11	1262.	1383.091	2459.	445.	373359.491	611.031	518.6	900.	1768.	2401.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	11	278.	304.182	622.	54.	28851.564	169.857	62.4	204.	425.	600.6
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	11	972.	1078.909	1837.	349.	210204.091	458.48	413.6	708.	1490.	1800.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	80.	102.545	315.	24.	6579.873	81.116	25.2	52.	136.	282.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	42.	60.091	189.	3.	2742.691	52.371	4.2	24.	84.	172.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	22.	42.455	126.	6.	1674.873	40.925	7.2	12.	68.	121.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	3.899	4.982	11.	1.	10.426	3.229	1.2	2.599	7.	10.8
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.06	0.097	0.5	0.03	0.018	0.135	0.03	0.04	0.08	0.416
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.01	0.024	0.1	0.005	0.001	0.028	0.005	0.005	0.03	0.088
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	11.	10.563	15.	3.399	11.602	3.406	4.119	8.799	14.	14.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	8000.	20431.818	93000.	50.	1127741636.364	33581.865	50.	50.	25000.	90400.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	3.903	3.39	4.968	1.699	1.533	1.238	1.699	1.699	4.398	4.955
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2456.342								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	11	2.7	2.627	4.3	0.6	1.646	1.283	0.68	1.5	4.	4.24
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	11	2.	1.792	4.	0.12	1.424	1.193	0.156	0.6	2.599	3.8

** - 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 1972 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	10	17.25	16.23	30.6	2.2	91.807	9.582	2.37	8.475	25.25	30.32
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	5	0.4	1.8	5.6	0.	6.08	2.466	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	6	172.5	206.667	370.	140.	7696.667	87.731	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	1	512.	512.	512.	512.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	6	7.65	7.5	8.5	6.5	0.596	0.772	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	6	7.625	7.017	8.5	6.5	0.875	0.936	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	6	0.024	0.096	0.316	0.003	0.017	0.131	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	10	1299.5	1322.1	2118.	695.	156360.989	395.425	715.7	1066.25	1538.25	2065.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	10	237.5	287.4	512.	155.	14705.822	121.268	156.5	209.	373.75	508.3
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	10	1021.5	1034.7	1606.	525.	100842.011	317.556	538.6	839.5	1258.5	1581.3
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	51.5	75.4	160.	14.	2586.933	50.862	17.	47.75	125.5	160.

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

Annual Analysis for 1972 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10	41.	47.9	100.	12.	719.656	26.826	13.6	31.75	59.5	98.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	18.	27.5	110.	2.	1126.056	33.557	2.	6.5	34.5	105.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	5.	5.611	10.	0.61	9.032	3.005	0.799	3.625	8.375	9.95
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	0.07	0.136	0.4	0.01	0.023	0.153	0.01	0.01	0.313	0.395
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	0.13	1.468	7.699	0.01	6.73	2.594	0.01	0.025	2.677	7.355
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	10	10.	11.3	18.5	7.	15.622	3.952	7.1	8.	14.75	18.35
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	1	250.	250.	250.	250.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	3900.	5810.	29000.	100.	72838777.778	8534.564	100.	1075.	6000.	26700.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	3.517	3.321	4.462	2.	0.63	0.794	2.	2.86	3.778	4.394
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2092.595								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	9	1.5	1.656	3.	0.1	0.96	0.98	0.1	1.	2.65	3.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	9	0.5	0.858	2.5	0.1	0.671	0.819	0.1	0.31	1.45	2.5

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

Annual Analysis for 1973 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	20.55	20.783	34.4	6.7	82.591	9.088	7.18	11.675	28.625	33.41
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	0.5	2.	6.4	0.	7.467	2.733	0.	0.15	5.55	6.36
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	4	247.5	274.5	540.	63.	38997.667	197.478	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	9.8	9.282	10.	7.	0.922	0.96	7.3	8.6	10.	10.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	9.8	8.008	10.	7.	2.706	1.645	7.3	8.6	10.	10.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.	0.01	0.1	0.	0.001	0.03	0.	0.	0.003	0.081
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	7	974.	1043.857	2177.	15.	595769.476	771.861	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	9	259.	248.444	397.	135.	7250.278	85.149	135.	174.5	314.	397.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	7	932.	965.857	1859.	344.	292865.81	541.171	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	9	42.	45.444	90.	13.	618.528	24.87	13.	22.5	62.	90.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	9	20.	21.778	44.	9.	138.194	11.756	9.	9.5	30.	44.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	9	22.	23.667	70.	0.	487.5	22.079	0.	4.5	35.	70.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	4.	3.726	7.	0.9	3.356	1.832	0.993	2.324	4.925	6.7
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.03	0.216	1.299	0.01	0.162	0.403	0.01	0.02	0.29	1.159
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.14	1.232	9.399	0.08	7.497	2.738	0.08	0.11	0.95	7.759
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	13.5	13.617	21.5	5.399	24.065	4.906	6.179	8.75	17.875	20.75
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	6000.	5990.	22000.	100.	48723222.222	6980.202	100.	175.	7750.	21100.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	3.778	3.257	4.342	2.	0.82	0.906	2.	2.226	3.862	4.32
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1806.746								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	12	1.9	1.967	3.5	0.3	1.066	1.033	0.36	1.2	2.95	3.35
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	12	1.375	1.5	2.799	0.3	0.931	0.965	0.33	0.513	2.45	2.739

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

Annual Analysis for 1974 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	22.2	19.291	27.8	10.	50.885	7.133	10.	12.8	25.6	27.58
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	0.4	1.365	5.8	0.	3.353	1.831	0.	0.	2.	5.24
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	2	180.	180.	270.	90.	16200.	127.279	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	10.	9.4	10.	8.	0.64	0.8	8.	9.	10.	10.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	10.	8.68	10.	8.	1.211	1.1	8.	9.	10.	10.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.	0.002	0.01	0.	0.	0.004	0.	0.	0.001	0.01
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	189.	189.	189.	189.	0.	0.	**	**	**	**

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Annual Analysis for 1974 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	10	1154.	1170.5	2124.	442.	313519.833	559.928	446.1	600.75	1607.5	2080.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	10	276.5	254.6	396.	72.	10537.822	102.654	77.1	162.	328.75	391.9
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	10	878.	883.5	1769.	36.	271769.167	521.315	69.4	441.25	1268.5	1720.9
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	51.	59.2	180.	10.	2621.511	51.201	10.6	17.5	77.5	172.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10	30.	41.1	140.	4.	1942.322	44.072	4.8	12.	55.	136.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	16.	18.1	40.	0.	219.211	14.806	0.4	4.75	31.	40.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	4.899	4.836	9.	1.199	8.192	2.862	1.299	1.899	7.	9.
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11 ##	0.005	0.071	0.35	0.005	0.013	0.115	0.005	0.005	0.18	0.316
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.6	1.953	9.649	0.04	8.64	2.939	0.044	0.08	3.719	8.523
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	10.	11.273	16.	8.	6.018	2.453	8.2	10.	14.	15.6
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	1000.	2454.545	6000.	50.	8133727.273	2851.969	50.	50.	6000.	6000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	3.	2.765	3.778	1.699	0.911	0.955	1.699	1.699	3.778	3.778
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			581.937								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	11	1.4	1.209	2.	0.3	0.353	0.594	0.34	0.5	1.6	2.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	11	0.9	0.945	1.799	0.3	0.268	0.518	0.3	0.5	1.5	1.779

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Annual Analysis for 1975 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	10	16.4	16.89	27.8	4.4	66.783	8.172	4.85	9.725	25.425	27.69
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	1.7	2.74	9.8	0.	12.305	3.508	0.	0.	4.625	9.62
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.	7.58	9.7	6.	1.72	1.311	6.05	6.8	9.125	9.68
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.	6.743	9.7	6.	2.498	1.58	6.05	6.8	9.125	9.68
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.1	0.181	1.	0.	0.091	0.302	0.	0.001	0.173	0.932
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	10	944.	973.	1566.	326.	139481.556	373.472	359.5	703.	1257.	1545.3
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	10	211.5	210.6	323.	87.	6733.378	82.057	91.	144.25	290.5	320.2
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	10	738.5	762.4	1318.	239.	92474.267	304.096	268.5	558.	941.	1292.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	43.	54.1	170.	21.	1868.322	43.224	21.6	29.25	55.25	160.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10	26.	30.6	70.	6.	414.044	20.348	6.4	13.	45.25	68.5
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	14.5	23.5	100.	6.	795.389	28.203	6.1	7.	25.	93.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	1.7	2.295	7.	0.05	4.365	2.089	0.085	0.7	3.625	6.7
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	9	0.02	0.026	0.06	0.005	0.	0.021	0.005	0.008	0.045	0.06
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	0.028	0.689	5.5	0.005	2.907	1.705	0.007	0.024	0.47	5.018
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	10	8.95	8.199	18.	0.9	22.561	4.75	1.26	4.574	10.393	17.3
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	9	2100.	2838.889	6000.	50.	7032361.111	2651.86	50.	250.	6000.	6000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	9	3.322	3.061	3.778	1.699	0.636	0.797	1.699	2.301	3.778	3.778
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1150.732								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	10	1.35	1.14	2.1	0.3	0.416	0.645	0.31	0.4	1.575	2.07
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	7	0.9	0.857	1.399	0.1	0.249	0.499	**	**	**	**

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Annual Analysis for 1976 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	8	21.95	21.325	33.9	7.8	94.171	9.704	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	8	1.2	2.263	8.7	0.	9.46	3.076	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	7	8.7	8.4	10.	6.5	2.013	1.419	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	7	8.7	7.191	10.	6.5	3.718	1.928	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	7	0.002	0.064	0.316	0.	0.014	0.117	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**

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Annual Analysis for 1976 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	8	1179.	1408.	3123.	360.	998990.	999.495	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	8	271.5	328.375	701.	104.	44065.696	209.918	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	8	907.5	1079.625	2653.	207.	677962.268	823.385	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	45.5	52.5	120.	23.	907.429	30.124	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	8	27.5	27.375	39.	10.	97.411	9.87	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	13.	23.875	110.	0.	1296.411	36.006	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	8	2.199	2.962	8.	1.	5.301	2.302	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	7	0.07	0.778	3.899	0.02	2.072	1.44	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	8 ##	0.383	2.166	11.89	0.025	16.606	4.075	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	8	10.695	9.07	12.59	2.399	14.667	3.83	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	8	1450.	2662.5	6000.	50.	8101964.286	2846.395	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	8	3.094	2.925	3.778	1.699	0.796	0.892	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			840.678								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	8	1.15	1.363	2.9	0.2	0.88	0.938	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	5	1.5	1.054	1.75	0.1	0.607	0.779	**	**	**	**

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Annual Analysis for 1977 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	9	22.	16.633	29.	1.2	138.62	11.774	1.2	1.75	27.	29.
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	9	1.3	3.878	10.	0.2	15.942	3.993	0.2	0.5	8.2	10.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	8	9.9	8.038	10.	1.	10.211	3.196	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	8	9.889	1.903	10.	1.	53.218	7.295	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	8	0.	12500.052	100000.	0.	1249998511.49	35355.318	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	8	1958.	1670.125	2669.	262.	756074.125	869.525	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	8	348.5	315.375	534.	49.	28433.696	168.623	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	8	1495.5	1354.75	2413.	213.	572758.786	756.808	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	27.5	25.5	46.	10.	137.714	11.735	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	7	21.	18.143	31.	0.	107.81	10.383	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	6.	7.875	25.	0.	79.554	8.919	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	8	0.7	1.212	3.899	0.1	1.809	1.345	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	8	0.09	0.621	2.699	0.01	1.028	1.014	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	3 ##	0.025	0.083	0.2	0.025	0.01	0.101	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	8	7.15	6.399	8.399	3.299	4.583	2.141	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	7	100.	1021.429	6000.	50.	4860714.286	2204.703	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	7	2.	2.304	3.778	1.699	0.603	0.777	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			201.527								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	8	1.15	1.369	2.8	0.05	0.975	0.987	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	8	0.64	0.88	2.	0.07	0.491	0.701	**	**	**	**

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

Annual Analysis for 1978 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	8	22.5	20.488	31.	0.4	97.073	9.853	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	8	2.2	2.213	4.1	0.	2.418	1.555	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	7	7.5	7.014	9.3	1.	7.771	2.788	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	7	7.5	1.845	9.3	1.	38.945	6.241	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	7	0.032	14285.742	100000.	0.00114	28570508.37	37796.435	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	8	341.5	414.75	891.	269.	39864.5	199.661	**	**	**	**

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Annual Analysis for 1978 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	8	54.5	64.25	98.	43.	517.643	22.752	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	8	290.	350.5	793.	219.	33909.429	184.145	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	14.5	13.188	24.	0.5	58.853	7.672	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	8	6.5	6.438	14.	0.5	19.103	4.371	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	7.	6.813	14.	0.5	23.281	4.825	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	8	2.7	2.269	3.6	0.05	1.562	1.25	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	8	0.04	0.039	0.08	0.01	0.001	0.025	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	2 ##	0.183	0.183	0.34	0.025	0.05	0.223	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	8	5.35	4.712	7.799	1.199	4.939	2.222	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	8	450.	1450.	8000.	50.	7287857.143	2699.603	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	8	2.452	2.549	3.903	1.699	0.658	0.811	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			353.961								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	8	0.6	0.575	1.1	0.3	0.068	0.26	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	8	0.435	0.48	1.1	0.15	0.091	0.301	**	**	**	**

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Annual Analysis for 1979 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	9	11.2	13.078	23.	3.	64.554	8.035	3.	4.5	20.5	23.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	4	430.5	444.5	756.	161.	68313.667	261.369	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	9	7.8	6.422	10.5	2.9	7.479	2.735	2.9	3.9	8.4	10.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	4	7.5	7.25	12.	2.	18.25	4.272	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	4	45.	44.75	69.	20.	402.917	20.073	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	9	7.	7.022	7.8	6.5	0.194	0.441	6.5	6.6	7.4	7.8
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	9	7.	6.856	7.8	6.5	0.225	0.475	6.5	6.6	7.4	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	9	0.1	0.139	0.316	0.016	0.013	0.114	0.016	0.04	0.258	0.316
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	7	291.	327.714	575.	115.	36119.571	190.051	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	7	50.	83.143	259.	29.	6638.476	81.477	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	7	241.	244.571	474.	85.	19198.952	138.56	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	30.5	27.	52.	10.	230.286	15.175	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	8	8.5	7.5	12.	0.	22.	4.69	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	20.	18.25	40.	0.	201.643	14.2	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	8	2.3	4.963	20.	0.2	43.717	6.612	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	8	0.045	0.069	0.25	0.005	0.007	0.082	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	4	0.6	0.585	0.8	0.34	0.042	0.206	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	8	3.55	7.	23.8	0.5	61.989	7.873	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	4	0.2	0.238	0.5	0.05	0.036	0.189	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	4	0.125	0.2	0.46	0.09	0.03	0.175	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	4	18.	19.75	33.	10.	94.917	9.743	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	8	400.	2181.25	8000.	50.	12919955.357	3594.434	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	8	2.602	2.664	3.903	1.699	0.699	0.836	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			461.229								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	4	0.3	0.525	1.3	0.2	0.269	0.519	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	4	0.22	0.443	1.3	0.03	0.335	0.579	**	**	**	**

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Annual Analysis for 1980 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	19.5	19.375	31.	4.5	79.642	8.924	6.6	12.	28.	31.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	440.5	500.	1089.	97.	81766.364	285.948	127.9	278.	650.25	1031.4
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	6.05	5.492	8.4	1.7	6.819	2.611	1.73	2.55	8.	8.28

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Annual Analysis for 1980 - Station PETE0018

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	10/24/68-08/13/96	12	6.	6.5	12.	2.	11.182	3.344	2.3	3.25	9.75	11.7
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	12	39.	46.25	96.	21.	624.205	24.984	21.6	26.5	60.	93.6
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.05	7.175	8.	6.5	0.235	0.485	6.5	6.85	7.6	7.94
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.047	6.962	8.	6.5	0.284	0.533	6.5	6.85	7.6	7.94
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.09	0.109	0.316	0.01	0.011	0.106	0.012	0.025	0.144	0.316
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	46.5	76.458	370.	2.5	9635.157	98.159	4.75	26.25	83.	295.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	15.	16.875	52.	2.5	174.824	13.222	2.95	8.25	17.75	45.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	34.5	59.792	318.	2.5	7295.884	85.416	3.55	12.75	65.25	250.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	1.2	2.117	7.5	0.1	5.965	2.442	0.19	0.425	2.825	7.2
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.05	0.1	0.33	0.005	0.011	0.105	0.01	0.03	0.195	0.3
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.49	0.556	1.3	0.04	0.127	0.356	0.085	0.263	0.85	1.18
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	4.2	4.867	13.	0.6	15.342	3.917	0.66	1.325	7.925	11.98
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.3	0.304	0.5	0.05	0.019	0.139	0.095	0.2	0.4	0.5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	12	0.21	0.208	0.33	0.07	0.008	0.089	0.079	0.12	0.298	0.327
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	12	23.5	22.5	34.	10.	67.	8.185	11.2	14.25	30.25	33.7
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	1200.	2920.833	8000.	50.	10280662.879	3206.347	125.	650.	6850.	8000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	3.079	3.133	3.903	1.699	0.432	0.657	1.932	2.809	3.81	3.903
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1356.984								

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Annual Analysis for 1981 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	15.	15.75	27.5	2.5	79.341	8.907	3.55	7.75	25.625	27.05
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	614.	626.75	1204.	81.	114225.295	337.972	116.1	386.5	855.	1158.4
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	7.2	6.333	10.	2.3	8.337	2.887	2.36	2.95	8.45	9.97
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	5.	5.75	11.	3.	7.477	2.734	3.	3.25	7.75	10.7
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	12	50.5	48.25	82.	12.	539.295	23.223	12.6	32.25	68.5	78.4
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.4	7.355	7.8	6.7	0.083	0.288	6.76	7.3	7.5	7.74
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.4	7.249	7.8	6.7	0.095	0.308	6.76	7.3	7.5	7.74
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.04	0.056	0.2	0.016	0.003	0.052	0.019	0.032	0.05	0.18
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	32.5	37.833	99.	9.	655.606	25.605	9.3	20.	46.75	90.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	11.5	13.	25.	3.	54.182	7.361	3.6	6.75	19.25	24.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	19.	24.833	75.	5.	396.879	19.922	5.3	13.25	31.5	67.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	2.55	3.079	6.5	0.9	4.094	2.023	0.93	1.288	4.425	6.5
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.14	0.15	0.37	0.04	0.011	0.105	0.04	0.045	0.22	0.34
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.89	1.617	9.	0.5	5.615	2.37	0.515	0.625	1.275	6.951
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	4.9	5.267	10.5	1.5	10.381	3.222	1.59	2.1	8.675	10.14
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.2	0.208	0.3	0.1	0.004	0.067	0.1	0.2	0.275	0.3
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	0.17	0.168	0.24	0.1	0.002	0.044	0.104	0.12	0.2	0.238
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	12	22.	21.333	34.	8.	67.879	8.239	8.6	15.5	27.5	33.4
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	150.	1287.5	5500.	50.	3309602.273	1819.231	50.	62.5	2675.	4930.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	2.151	2.534	3.74	1.699	0.645	0.803	1.699	1.774	3.405	3.685
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			342.194								

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Annual Analysis for 1982 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	21.5	18.708	32.5	4.	79.384	8.91	5.2	9.75	25.875	30.85
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	425.5	432.667	835.	9.	61330.424	247.65	60.6	215.5	647.5	811.3
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	7.	6.491	8.8	2.9	3.547	1.883	3.16	4.7	8.	8.76
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	11.	10.917	19.	3.	29.538	5.435	3.6	6.	15.75	18.4
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	12	45.5	47.167	118.	2.	804.879	28.37	7.1	35.	58.5	103.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.95	6.942	7.5	5.8	0.294	0.542	6.01	6.525	7.475	7.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.947	6.592	7.5	5.8	0.427	0.653	6.01	6.525	7.475	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.113	0.256	1.585	0.032	0.187	0.433	0.032	0.034	0.3	1.204
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	1	286.	286.	286.	286.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	1	230.	230.	230.	230.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	46.	54.833	210.	7.	2641.242	51.393	10.9	31.5	55.	166.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	13.	14.083	34.	7.	48.811	6.986	7.3	9.5	15.75	28.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	35.	41.583	176.	9.	1939.538	44.04	9.6	20.25	42.	137.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	2.5	3.067	6.	0.6	4.292	2.072	0.72	1.3	5.25	6.
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.18	0.18	0.36	0.03	0.012	0.108	0.036	0.083	0.293	0.342
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.585	0.688	1.7	0.4	0.126	0.354	0.403	0.478	0.805	1.46
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	4.25	5.45	9.8	1.1	12.145	3.485	1.19	2.425	9.625	9.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.4	0.354	0.6	0.05	0.02	0.141	0.095	0.3	0.4	0.57
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	10	0.255	0.26	0.49	0.08	0.012	0.111	0.087	0.195	0.31	0.475
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	12	19.5	18.5	38.	4.	76.091	8.723	4.6	14.5	22.5	33.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	750.	1716.667	8000.	0.	5156060.606	2270.696	90.	325.	2800.	6620.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	2.866	2.773	3.903	0.	0.967	0.983	0.743	2.508	3.443	3.792
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			592.835								

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

Annual Analysis for 1983 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	14.5	15.364	29.	4.5	68.155	8.256	5.	7.5	21.5	28.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	11	440.	432.909	785.	160.	44409.691	210.736	162.2	238.	626.	757.8
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	8.4	8.073	11.	5.4	3.936	1.984	5.46	6.	9.8	10.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	5.	8.545	20.	3.	46.073	6.788	3.	4.	18.	19.6
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	11	36.	34.818	51.	20.	90.964	9.537	20.8	26.	43.	49.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.	6.955	7.5	6.5	0.069	0.262	6.54	6.8	7.	7.44
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.	6.887	7.5	6.5	0.074	0.272	6.54	6.8	7.	7.44
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.1	0.13	0.316	0.032	0.006	0.077	0.038	0.1	0.158	0.293
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	33.	37.636	68.	20.	213.055	14.596	20.4	25.	48.	64.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	8.	10.091	22.	3.	37.091	6.09	3.4	5.	13.	21.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	27.	27.545	61.	14.	164.073	12.809	14.6	20.	29.	56.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	3.2	3.455	7.	0.3	6.173	2.484	0.4	0.9	6.	7.
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.06	0.117	0.33	0.01	0.014	0.119	0.012	0.03	0.24	0.326
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.64	0.81	1.4	0.38	0.129	0.359	0.412	0.57	1.3	1.38
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	5.5	5.255	12.5	0.8	15.623	3.953	0.84	1.2	7.9	11.96
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.2	0.224	0.4	0.1	0.012	0.109	0.106	0.13	0.3	0.4
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	0.15	0.195	0.39	0.1	0.009	0.093	0.104	0.13	0.27	0.37
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	11	15.	15.	24.	9.	20.8	4.561	9.2	11.	18.	23.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	1000.	1186.364	3200.	50.	1337545.455	1156.523	50.	50.	2100.	3060.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	3.	2.667	3.505	1.699	0.579	0.761	1.699	1.699	3.322	3.484
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			464.162								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	10	18.	17.3	29.	8.	63.567	7.973	8.05	9.625	26.125	28.75
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	10	462.	395.3	628.	46.	38635.789	196.56	57.4	216.25	537.25	627.7
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	5.35	6.61	13.	2.6	13.519	3.677	2.62	3.55	9.8	12.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	10	4.5	5.2	12.	2.	9.289	3.048	2.	2.75	6.5	11.6
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	10	37.5	41.2	82.	13.	548.4	23.418	13.8	23.25	55.25	81.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	6.7	6.662	7.15	5.7	0.214	0.463	5.74	6.4	7.085	7.145
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	6.7	6.391	7.15	5.7	0.296	0.544	5.74	6.4	7.085	7.145
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.2	0.407	1.995	0.071	0.357	0.597	0.072	0.082	0.436	1.875
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	32.	31.6	49.	13.	86.489	9.3	14.2	27.25	36.5	47.9
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10	7.5	9.9	27.	4.	51.878	7.203	4.	4.	13.	25.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	24.	21.7	33.	2.	99.567	9.978	2.7	15.	30.5	32.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	2.7	3.209	8.5	0.1	8.834	2.972	0.129	0.398	5.15	8.45
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	0.105	0.134	0.26	0.03	0.01	0.098	0.03	0.038	0.243	0.259
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	0.665	0.646	1.3	0.1	0.103	0.32	0.125	0.425	0.798	1.255
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	10	5.5	5.18	12.1	0.5	15.495	3.936	0.53	1.1	7.35	11.94
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	10	0.3	0.263	0.4	0.11	0.011	0.103	0.111	0.18	0.325	0.4
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	10	0.205	0.205	0.33	0.11	0.005	0.069	0.111	0.143	0.258	0.325
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	10	20.	17.5	27.	6.	40.278	6.346	6.5	11.75	21.5	26.6
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	400.	1490.	8000.	100.	6421000.	2533.969	100.	325.	1550.	7580.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	2.602	2.749	3.903	2.	0.362	0.602	2.	2.452	3.072	3.871
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			561.458								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	10	12.9	16.13	28.4	1.5	91.009	9.54	1.87	9.85	25.75	28.21
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	10	329.5	383.6	682.	221.	24307.378	155.908	223.4	268.25	483.25	676.6
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	7.75	7.62	11.4	4.3	8.284	2.878	4.33	4.75	10.425	11.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	10	6.	7.2	13.	3.	12.622	3.553	3.1	4.75	10.	13.
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	10	34.5	36.2	67.	16.	195.956	13.998	17.	26.75	44.5	64.9
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	6.95	6.79	7.3	6.	0.205	0.453	6.04	6.4	7.15	7.3
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	6.947	6.572	7.3	6.	0.258	0.508	6.04	6.4	7.15	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.113	0.268	1.	0.05	0.089	0.298	0.05	0.072	0.398	0.94
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	1	206.	206.	206.	206.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	1	175.	175.	175.	175.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	40.	38.8	68.	9.	446.844	21.139	9.7	17.5	59.25	67.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10	12.	11.9	20.	3.	28.544	5.343	3.3	7.5	16.	19.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	29.5	26.9	48.	5.	305.656	17.483	5.1	6.	42.75	48.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	9	3.8	3.667	6.5	0.7	4.318	2.078	0.7	1.8	5.5	6.5
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	9	0.17	0.192	0.55	0.02	0.032	0.179	0.02	0.035	0.32	0.55
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	9	0.93	0.948	1.45	0.36	0.103	0.321	0.36	0.75	1.175	1.45
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	6	6.95	5.6	8.	0.8	7.46	2.731	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	7	0.3	0.264	0.4	0.05	0.012	0.111	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	9	0.17	0.701	5.	0.09	2.6	1.613	0.09	0.145	0.215	5.
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	10	10.	12.6	32.	6.	59.156	7.691	6.1	7.75	15.	30.6
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	750.	1580.	4500.	100.	2619555.556	1618.504	110.	275.	2950.	4420.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	2.849	2.911	3.653	2.	0.335	0.579	2.03	2.433	3.466	3.645
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			815.112								

** - 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 1986 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	17.	16.333	31.	0.	100.515	10.026	1.35	7.125	25.25	30.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	537.	441.25	749.	149.	43195.841	207.836	152.	203.	581.5	716.6
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	8.3	8.358	12.6	4.	8.101	2.846	4.39	5.725	10.9	12.48
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	8.	7.667	14.	1.	23.697	4.868	1.3	2.5	12.75	14.
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	12	29.	28.417	66.	5.	317.72	17.825	5.6	12.75	33.75	61.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.245	7.208	8.	5.9	0.354	0.595	6.08	6.925	7.753	7.952
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.243	6.757	8.	5.9	0.575	0.758	6.08	6.925	7.753	7.952
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.057	0.175	1.259	0.01	0.123	0.351	0.011	0.018	0.119	0.976
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	24.5	27.	47.	5.	232.182	15.238	5.6	13.5	42.5	47.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	8.	9.542	19.	0.	37.248	6.103	0.75	4.5	16.	18.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	16.5	17.458	30.	2.5	89.794	9.476	3.85	9.	27.75	30.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	4.65	5.283	12.	0.2	19.34	4.398	0.23	0.725	8.5	12.
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.205	0.185	0.45	0.005	0.026	0.163	0.005	0.01	0.345	0.423
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.81	0.897	1.58	0.08	0.165	0.406	0.245	0.655	1.173	1.541
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	7.75	8.258	18.	0.5	41.655	6.454	0.5	1.2	14.75	17.55
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.3	0.288	0.6	0.05	0.039	0.197	0.05	0.088	0.45	0.6
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	0.15	0.14	0.32	0.04	0.006	0.08	0.042	0.05	0.18	0.294
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	12	9.5	9.	13.	4.	8.545	2.923	4.3	6.25	11.75	12.7
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	500.	1383.333	8000.	50.	5437424.242	2331.829	50.	150.	1150.	6770.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	2.699	2.686	3.903	1.699	0.457	0.676	1.699	2.119	3.059	3.809
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			484.781								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	13	15.	17.877	31.2	3.5	127.274	11.282	3.7	4.25	29.25	31.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	379.	388.	654.	108.	38145.273	195.308	137.4	214.5	573.5	636.6
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	6.55	7.483	11.9	3.8	9.482	3.079	3.92	4.5	11.1	11.69
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	11.	10.583	27.	3.	41.902	6.473	3.3	5.	12.	23.4
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	12	30.5	30.583	48.	10.	128.992	11.357	12.7	22.	39.5	46.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	13	7.5	7.433	7.62	6.9	0.047	0.216	6.992	7.345	7.615	7.62
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	13	7.5	7.373	7.62	6.9	0.051	0.225	6.992	7.345	7.615	7.62
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	13	0.032	0.042	0.126	0.024	0.001	0.029	0.024	0.024	0.045	0.105
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	31.5	29.208	51.	2.5	263.884	16.245	4.75	13.	44.	49.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	7.5	9.542	21.	1.	42.521	6.521	1.45	5.	15.5	20.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	18.5	19.875	50.	2.5	238.188	15.433	3.25	6.	31.5	45.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	6.25	5.754	14.	0.2	22.338	4.726	0.29	0.925	10.125	13.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.095	0.123	0.27	0.01	0.011	0.106	0.013	0.023	0.238	0.261
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.565	0.653	1.26	0.42	0.065	0.255	0.432	0.478	0.71	1.2
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	8.75	9.483	30.	0.7	80.489	8.972	0.7	1.575	13.	27.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.3	0.288	0.7	0.05	0.028	0.168	0.065	0.2	0.375	0.61
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	12	0.155	0.18	0.6	0.05	0.02	0.142	0.056	0.113	0.205	0.483
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	8	11.	10.125	12.	8.	3.268	1.808	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	450.	1145.833	8000.	50.	5066571.97	2250.905	50.	62.5	675.	6320.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	2.651	2.547	3.903	1.699	0.474	0.689	1.699	1.774	2.828	3.746
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			352.085								

** - 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

Annual Analysis for 1988 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	15.8	19.036	28.8	8.5	59.139	7.69	8.7	13.	27.	28.64
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	11	621.	664.273	1000.	401.	26644.218	163.231	426.4	544.	775.	957.2
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	7.5	6.955	8.8	4.3	2.309	1.519	4.5	5.7	8.3	8.76
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	10	11.5	13.9	42.	7.	103.433	10.17	7.1	8.	14.	39.2
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	11	38.	43.818	78.	28.	302.364	17.389	28.4	32.	45.	77.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.385	7.501	8.04	7.06	0.114	0.338	7.074	7.268	7.883	8.034
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.385	7.401	8.04	7.06	0.125	0.354	7.074	7.268	7.882	8.034
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.041	0.04	0.087	0.009	0.001	0.025	0.009	0.013	0.054	0.085
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	33.	34.455	48.	23.	85.473	9.245	23.	24.	44.	47.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	10.	11.364	19.	5.	20.055	4.478	5.4	7.	15.	18.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	23.	23.091	33.	13.	37.891	6.156	13.4	18.	29.	32.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	9.05	9.27	17.6	2.3	23.144	4.811	2.47	5.35	12.475	17.38
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	0.35	0.367	0.7	0.13	0.041	0.202	0.132	0.188	0.518	0.699
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	0.98	0.848	1.55	0.15	0.18	0.425	0.172	0.43	1.113	1.51
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	12.75	16.868	32.	6.8	72.741	8.529	7.24	9.5	23.	31.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.4	0.382	0.5	0.2	0.01	0.098	0.22	0.3	0.5	0.5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	0.21	0.205	0.35	0.11	0.005	0.074	0.114	0.14	0.24	0.338
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	8	8.55	8.837	12.1	6.3	4.083	2.021	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	2	93.	93.	99.	87.	72.	8.485	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	600.	809.091	3200.	50.	1007909.091	1003.947	50.	50.	1000.	2980.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	2.778	2.51	3.505	1.699	0.486	0.697	1.699	1.699	3.	3.469
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			323.656								

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

Annual Analysis for 1989 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	19.4	20.333	32.1	10.9	60.802	7.798	11.08	12.325	28.25	31.74
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	7	470.	421.857	544.	281.	12013.143	109.604	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	4	273.	400.5	852.	204.	92385.	303.949	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	6.55	7.167	12.1	3.4	6.166	2.483	3.67	5.7	9.275	11.26
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	9.	9.364	15.	6.	8.055	2.838	6.	7.	11.	14.6
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	11	36.	35.818	58.	16.	197.364	14.049	16.4	20.	48.	56.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.29	7.31	8.05	6.91	0.089	0.298	6.949	7.09	7.4	7.915
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.29	7.236	8.05	6.91	0.095	0.308	6.949	7.09	7.4	7.915
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.051	0.058	0.123	0.009	0.001	0.031	0.014	0.04	0.081	0.113
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	11	7.3	7.236	7.6	6.8	0.057	0.238	6.82	7.1	7.4	7.58
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	11	7.3	7.174	7.6	6.8	0.061	0.247	6.82	7.1	7.4	7.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	11	0.05	0.067	0.158	0.025	0.002	0.041	0.026	0.04	0.079	0.152
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	11	55.	58.545	103.	27.	423.673	20.583	30.	47.	75.	98.
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	9	274.	278.111	400.	185.	5304.861	72.834	185.	213.5	337.5	400.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	9	48.	49.222	69.	33.	112.944	10.628	33.	42.5	56.	69.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	9	230.	228.889	339.	144.	4276.361	65.394	144.	172.	279.	339.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	36.	39.591	98.	0.5	730.541	27.029	2.6	28.	40.	93.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	10.	9.682	20.	0.5	27.914	5.283	1.2	6.	13.	18.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	27.	29.955	78.	0.5	500.723	22.377	1.8	16.	31.	74.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	10	3.4	4.41	10.8	0.54	12.462	3.53	0.567	1.26	7.15	10.66
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	9	0.16	0.143	0.22	0.03	0.004	0.064	0.03	0.09	0.2	0.22
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.71	0.756	2.26	0.23	0.286	0.535	0.27	0.44	0.83	1.98
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	6.9	9.755	35.	1.3	92.495	9.617	1.64	4.	12.5	31.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.3	0.473	2.	0.2	0.266	0.516	0.2	0.2	0.4	1.7
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	0.13	0.183	0.4	0.09	0.011	0.107	0.092	0.11	0.2	0.394
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	10	9.75	9.99	13.5	6.1	5.921	2.433	6.25	8.2	12.65	13.43
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	10	55.	54.2	70.	40.	60.844	7.8	41.	50.	57.	69.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	9	31.	46.	144.	18.	1511.25	38.875	18.	24.	54.	144.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	9	44.	60.667	179.	23.	2420.5	49.199	23.	33.5	76.5	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 1989 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	1200.	2950.	8000.	50.	11873500.	3445.795	60.	100.	8000.	8000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	3.079	2.973	3.903	1.699	0.689	0.83	1.759	2.	3.903	3.903
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			939.365								

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

Annual Analysis for 1990 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	13	19.5	18.638	32.	8.3	69.114	8.313	8.54	10.	26.9	30.28
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	1	484.	484.	484.	484.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	11	375.	351.182	623.	142.	26357.164	162.349	145.6	185.	495.	597.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	4	8.5	7.675	8.7	5.	3.216	1.793	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	5.8	7.836	20.3	3.1	25.481	5.048	3.1	3.9	10.8	18.44
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	8.	13.818	55.	2.	243.764	15.613	2.4	5.	17.	49.8
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	11	29.	34.636	98.	14.	574.255	23.964	14.	17.	42.	88.6
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	13	6.85	6.921	8.33	6.24	0.283	0.532	6.304	6.595	7.23	7.93
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	13	6.85	6.724	8.33	6.24	0.325	0.57	6.304	6.595	7.23	7.93
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	13	0.141	0.189	0.575	0.005	0.025	0.159	0.022	0.059	0.255	0.505
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	12	7.35	7.45	9.5	6.7	0.557	0.747	6.73	6.9	7.7	8.99
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	12	7.347	7.149	9.5	6.7	0.656	0.81	6.73	6.9	7.7	8.99
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	12	0.045	0.071	0.2	0.	0.004	0.065	0.005	0.02	0.126	0.187
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	12	67.5	59.083	89.	24.	490.265	22.142	25.8	33.25	75.25	86.
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	12	262.5	251.083	392.	112.	8167.356	90.373	120.4	162.5	326.	374.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	11	40.	42.727	98.	20.	390.218	19.754	22.2	35.	44.	87.8
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	12	196.5	209.333	350.	92.	7619.879	87.292	94.4	126.75	293.75	333.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	36.5	36.25	76.	8.	468.205	21.638	9.8	17.25	56.5	71.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	10.	14.	41.	3.	144.	12.	3.3	4.75	22.75	37.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	19.5	24.417	50.	5.	259.174	16.099	6.5	10.25	43.25	49.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	1.93	2.492	7.4	0.2	5.825	2.413	0.206	0.34	3.6	7.12
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.09	0.116	0.28	0.005	0.011	0.103	0.006	0.02	0.24	0.274
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.56	0.618	1.37	0.32	0.094	0.307	0.322	0.4	0.77	1.264
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	3.	4.968	15.4	0.35	24.764	4.976	0.4	0.9	9.5	14.52
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.3	0.264	0.6	0.1	0.023	0.15	0.1	0.1	0.3	0.56
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	0.08	0.101	0.17	0.06	0.002	0.045	0.06	0.06	0.15	0.17
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	11	7.7	7.7	10.4	5.6	1.896	1.377	5.78	6.5	8.6	10.08
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	12	66.	61.667	83.	39.	203.333	14.259	40.5	46.5	69.5	82.1
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	12	43.5	37.333	56.	14.	288.061	16.972	14.3	16.	51.	54.8
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	12	49.5	54.167	123.	18.	1120.333	33.471	18.3	21.75	82.25	111.6
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	200.	1125.	5500.	50.	3973472.222	1993.357	50.	50.	1500.	5370.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	10	2.301	2.444	3.74	1.699	0.548	0.74	1.699	1.699	2.989	3.729
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			278.15								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

Annual Analysis for 1991 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	13	20.4	19.915	28.8	6.2	66.121	8.132	6.68	13.15	27.15	28.76
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	10	406.	414.2	575.	197.	21160.844	145.468	200.1	265.5	557.	574.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	9	5.	5.722	8.7	2.5	3.834	1.958	2.5	4.45	7.45	8.7
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	7	6.6	6.6	8.7	4.4	2.817	1.678	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	10	7.	9.2	23.	3.	39.067	6.25	3.1	4.	14.	22.1
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	11	40.	42.909	87.	21.	303.691	17.427	22.8	31.	49.	80.6

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Annual Analysis for 1991 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	13	6.7	6.763	7.27	6.4	0.076	0.276	6.416	6.56	6.96	7.242
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	13	6.7	6.692	7.27	6.4	0.081	0.285	6.416	6.56	6.96	7.242
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	13	0.2	0.203	0.398	0.054	0.012	0.109	0.057	0.112	0.277	0.384
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	10	7.45	7.35	7.7	6.9	0.078	0.28	6.91	7.075	7.6	7.69
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	10	7.447	7.266	7.7	6.9	0.086	0.293	6.91	7.075	7.6	7.69
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	10	0.036	0.054	0.126	0.02	0.001	0.037	0.02	0.025	0.085	0.123
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	10	76.5	71.4	96.	34.	472.044	21.727	34.8	51.75	89.25	95.7
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	10	288.5	278.3	376.	142.	6417.344	80.108	145.7	203.	351.75	374.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	10	44.5	44.	62.	23.	142.667	11.944	24.1	36.25	52.5	61.8
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	10	236.5	234.3	329.	94.	5722.233	75.645	100.2	171.75	297.5	328.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	33.5	30.9	40.	19.	66.322	8.144	19.1	20.75	37.5	39.9
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10	6.5	7.6	13.	4.	9.6	3.098	4.1	5.	10.5	12.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	23.5	23.3	35.	12.	61.344	7.832	12.3	15.75	30.25	34.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	3.025	3.32	7.9	0.04	4.432	2.105	0.373	1.875	4.525	7.21
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.175	0.177	0.48	0.02	0.019	0.137	0.023	0.053	0.238	0.438
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.64	0.724	1.67	0.25	0.147	0.383	0.295	0.49	0.77	1.538
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	4.85	5.192	11.7	1.	9.055	3.009	1.18	3.3	6.8	10.59
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.3	0.275	0.5	0.2	0.007	0.087	0.2	0.2	0.3	0.44
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	7	0.1	0.113	0.18	0.07	0.002	0.042	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	11	7.7	8.082	13.	4.4	8.126	2.851	4.58	5.4	10.5	12.82
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	10	62.	72.9	132.	52.	715.656	26.752	52.	53.5	90.75	129.3
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	10	42.5	45.3	74.	16.	498.9	22.336	16.2	25.5	67.75	73.9
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	10	45.	45.6	70.	0.	554.711	23.552	2.	30.5	68.25	69.9
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	13	800.	1242.308	4000.	50.	2082019.231	1442.92	50.	75.	2150.	4000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	13	2.903	2.683	3.602	1.699	0.526	0.726	1.699	1.849	3.318	3.602
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			481.438								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	8	0.105	0.121	0.18	0.08	0.002	0.04	**	**	**	**

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Annual Analysis for 1992 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	16.95	16.942	29.5	4.1	64.923	8.057	4.61	11.925	24.175	29.02
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	12	353.	380.5	662.	178.	26231.545	161.962	184.	252.	534.25	638.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	12	5.	6.	10.	2.9	5.898	2.429	2.96	4.425	8.55	9.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	4.	7.833	23.	2.	47.788	6.913	2.3	3.	14.25	20.9
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	12	25.	31.	93.	13.	455.636	21.346	13.9	18.25	32.	78.3
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.565	6.571	7.14	6.08	0.113	0.336	6.128	6.28	6.913	7.086
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.565	6.464	7.14	6.08	0.126	0.354	6.128	6.28	6.913	7.086
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.272	0.344	0.832	0.072	0.055	0.234	0.084	0.123	0.525	0.755
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	12	7.7	7.575	8.	7.	0.118	0.344	7.	7.25	7.8	7.97
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	12	7.7	7.438	8.	7.	0.139	0.373	7.	7.25	7.8	7.97
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	12	0.02	0.037	0.1	0.01	0.001	0.033	0.011	0.016	0.057	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	12	61.5	68.917	134.	32.	1172.811	34.246	33.2	40.	94.75	131.
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	12	252.	261.083	459.	146.	8586.447	92.663	154.4	177.75	330.75	422.1
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	12	46.5	46.75	83.	29.	240.386	15.504	29.9	33.	55.5	76.1
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	12	209.	214.333	376.	117.	6128.606	78.285	122.1	143.5	275.25	347.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	26.5	28.833	53.	7.	245.97	15.683	7.9	12.75	44.	51.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	5.5	7.083	15.	1.	21.538	4.641	1.3	3.5	10.	15.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	21.5	21.75	38.	6.	134.932	11.616	6.3	9.75	34.25	37.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	1.81	3.223	7.7	0.46	7.309	2.703	0.568	0.89	5.7	7.565
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.125	0.249	0.92	0.03	0.084	0.29	0.036	0.08	0.243	0.878
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.65	0.826	1.81	0.23	0.219	0.467	0.29	0.44	1.085	1.696
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	3.5	4.4	11.	0.8	11.567	3.401	0.8	1.5	6.825	10.46
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.195	0.247	0.7	0.1	0.03	0.172	0.1	0.1	0.33	0.595
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	12	6.6	8.892	25.5	2.4	37.746	6.144	3.21	5.25	11.575	21.96

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Annual Analysis for 1992 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	12	65.	68.833	100.	48.	265.061	16.281	49.2	55.5	79.	98.2
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	9	43.	39.222	66.	13.	330.194	18.171	13.	24.	55.5	66.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	9	41.	48.444	85.	20.	534.278	23.114	20.	29.5	71.	85.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	400.	1475.	8000.	100.	5269318.182	2295.5	100.	200.	1850.	6650.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	12	2.602	2.766	3.903	2.	0.378	0.615	2.	2.301	3.267	3.795
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			583.658								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	12	0.09	0.121	0.47	0.04	0.014	0.117	0.043	0.063	0.115	0.386

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Annual Analysis for 1993 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	17.75	17.775	29.3	4.8	64.244	8.015	6.39	10.65	25.75	28.79
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	12	356.5	385.75	693.	175.	24669.477	157.065	191.8	258.25	453.	678.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	12	5.5	5.925	9.7	3.1	5.833	2.415	3.13	3.625	8.05	9.46
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	5.	7.	24.	3.	32.364	5.689	3.3	4.	7.5	19.8
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	12	32.	32.333	53.	20.	86.424	9.296	20.9	25.	39.	49.1
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.57	6.636	7.08	6.36	0.046	0.213	6.378	6.478	6.785	7.035
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.57	6.594	7.08	6.36	0.048	0.218	6.378	6.477	6.785	7.035
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.269	0.255	0.437	0.083	0.011	0.106	0.093	0.164	0.335	0.42
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	12	7.4	7.442	8.1	6.9	0.164	0.406	6.9	7.125	7.75	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	12	7.4	7.292	8.1	6.9	0.189	0.435	6.9	7.125	7.75	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	12	0.04	0.051	0.126	0.008	0.002	0.041	0.008	0.018	0.075	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	12	64.	65.083	115.	33.	516.629	22.729	35.1	51.	73.5	108.7
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	12	236.5	256.75	458.	133.	7879.841	88.768	148.6	196.75	289.5	435.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	12	45.5	46.583	90.	9.	450.265	21.219	14.7	30.75	60.5	84.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	12	191.	210.167	394.	105.	6004.152	77.486	119.1	160.	235.75	369.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	26.	25.25	40.	10.	89.659	9.469	11.5	16.5	31.25	40.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	8.	7.917	17.	3.	13.356	3.655	3.3	5.25	9.	15.2
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	18.	17.333	32.	7.	46.242	6.8	7.9	11.5	20.75	29.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	2.	2.852	7.4	0.4	4.133	2.033	0.58	1.38	4.5	6.88
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.09	0.105	0.23	0.02	0.004	0.06	0.028	0.06	0.16	0.218
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.61	0.758	1.64	0.2	0.187	0.432	0.23	0.36	1.06	1.55
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	3.5	4.655	8.5	1.3	6.907	2.628	1.46	2.5	7.2	8.5
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.21	0.237	0.45	0.13	0.008	0.091	0.136	0.17	0.27	0.426
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	12	10.15	10.975	20.4	7.1	11.958	3.458	7.43	8.85	11.925	18.33
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	12	62.	63.5	104.	40.	335.364	18.313	41.2	49.	73.5	98.6
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	12	39.5	42.667	95.	11.	557.515	23.612	12.5	24.5	55.5	87.5
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	12	43.5	47.25	100.	21.	479.841	21.905	22.8	29.5	57.5	91.6
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	500.	813.636	3700.	50.	1115045.455	1055.957	60.	200.	1100.	3260.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	11	2.699	2.626	3.568	1.699	0.292	0.541	1.759	2.301	3.041	3.49
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			422.674								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	11	0.09	0.105	0.17	0.06	0.001	0.034	0.064	0.08	0.14	0.166

** - Less than 9 observations ## - Computed with 50% or 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 PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	13	20.8	19.646	35.1	0.3	118.173	10.871	2.9	8.95	29.65	33.42
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	2	326.	326.	486.	166.	51200.	226.274	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	11	426.	416.727	707.	236.	19903.018	141.078	238.4	264.	501.	671.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	13	7.5	8.808	17.9	3.4	16.311	4.039	3.6	6.3	11.1	16.3
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	7.9	11.055	25.	2.	71.151	8.435	2.14	4.	21.	24.6

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Annual Analysis for 1994 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	11	52.	49.636	72.	22.	245.855	15.68	23.2	39.	62.	71.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	13	6.92	7.194	9.04	6.15	0.612	0.782	6.31	6.66	7.47	8.772
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	13	6.92	6.809	9.04	6.15	0.773	0.879	6.31	6.66	7.47	8.772
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	13	0.12	0.155	0.708	0.001	0.036	0.19	0.002	0.034	0.225	0.538
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	11	7.4	7.473	8.5	6.7	0.26	0.51	6.72	7.2	7.8	8.36
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	11	7.4	7.235	8.5	6.7	0.322	0.568	6.72	7.2	7.8	8.36
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	11	0.04	0.058	0.2	0.003	0.004	0.063	0.006	0.016	0.063	0.191
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	11	75.	70.455	96.	39.	377.873	19.439	41.2	52.	89.	95.6
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	11	277.	290.364	448.	162.	8370.855	91.492	167.	228.	349.	445.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	11	39.	46.182	81.	26.	304.164	17.44	27.	34.	62.	78.2
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	11	232.	244.182	414.	131.	7436.364	86.234	134.6	180.	287.	402.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	25.	46.955	182.	1.5	2715.523	52.111	4.	14.	52.	165.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	10.	12.773	37.	1.5	151.268	12.299	1.8	4.	19.	36.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	18.	34.318	148.	1.5	1711.114	41.366	3.2	11.	42.	130.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	3.05	3.305	8.4	0.02	5.925	2.434	0.188	1.62	5.05	7.948
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.23	0.235	0.57	0.005	0.031	0.177	0.01	0.09	0.36	0.538
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	11	0.66	0.953	2.37	0.22	0.486	0.697	0.228	0.56	1.42	2.278
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	11	5.	5.3	9.5	1.5	5.92	2.433	1.64	3.8	7.3	9.28
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.24	0.261	0.5	0.11	0.017	0.132	0.114	0.14	0.36	0.494
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	11	12.4	12.255	17.1	5.9	13.037	3.611	6.22	10.3	15.5	16.86
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	11	57.	58.273	75.	42.	83.218	9.122	44.	52.	66.	73.4
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	11	45.	46.909	80.	22.	263.291	16.226	23.	39.	57.	76.8
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	11	62.	62.364	141.	26.	994.055	31.529	26.2	39.	76.	128.6
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	6	150.	141.667	200.	50.	4416.667	66.458	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	6	2.151	2.1	2.301	1.699	0.06	0.246	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			125.992								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	11	0.09	0.105	0.17	0.04	0.001	0.038	0.048	0.08	0.14	0.166

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Annual Analysis for 1995 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	16.85	17.617	33.	3.4	91.34	9.557	3.91	8.325	25.55	31.53
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	8	470.	410.625	532.	184.	15488.554	124.453	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	12	354.	370.	612.	166.	25198.545	158.74	174.4	214.25	509.75	595.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	12	7.55	7.458	13.2	2.9	11.044	3.323	3.05	4.375	10.125	12.57
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	5.2	6.725	17.7	1.7	19.927	4.464	2.09	3.275	9.4	15.69
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	12	29.	28.5	46.	14.	89.727	9.472	15.5	19.5	36.25	43.3
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.91	6.883	7.46	6.57	0.058	0.241	6.597	6.675	7.01	7.337
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.909	6.831	7.46	6.57	0.061	0.247	6.597	6.675	7.01	7.337
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.123	0.148	0.269	0.035	0.005	0.068	0.051	0.098	0.211	0.254
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	12	7.15	7.083	7.6	6.6	0.136	0.369	6.6	6.65	7.375	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	12	7.147	6.946	7.6	6.6	0.157	0.396	6.6	6.65	7.375	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	12	0.071	0.113	0.251	0.025	0.008	0.091	0.025	0.042	0.228	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	12	60.	57.917	88.	30.	455.356	21.339	30.6	34.	78.5	86.2
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	12	241.	238.667	381.	117.	8969.697	94.708	119.1	147.25	323.75	376.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	12	36.	39.417	63.	8.	262.265	16.195	13.7	28.5	53.75	62.7
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	12	205.	200.083	329.	97.	6669.356	81.666	100.6	114.75	263.75	323.9
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	23.5	29.	74.	8.	358.909	18.945	8.3	19.	36.75	68.3
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	7.	7.833	14.	1.5	20.652	4.544	1.5	4.25	13.	13.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	16.	21.083	60.	6.	240.811	15.518	6.3	11.75	24.75	54.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	1.86	2.341	6.5	0.35	4.308	2.075	0.353	0.555	3.725	6.17
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.19	0.153	0.35	0.01	0.015	0.121	0.013	0.03	0.24	0.338
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	12	0.64	0.734	2.12	0.35	0.208	0.456	0.374	0.54	0.708	1.739
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	12	3.35	3.625	8.2	0.6	6.224	2.495	0.72	1.375	5.475	7.9
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.155	0.165	0.36	0.07	0.007	0.086	0.07	0.087	0.228	0.324

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Annual Analysis for 1995 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	12	10.75	10.175	13.4	5.4	7.164	2.677	5.85	7.25	12.575	13.22
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	12	57.	61.167	96.	44.	222.697	14.923	45.2	50.5	71.	90.6
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	12	37.5	39.583	71.	14.	429.356	20.721	15.2	19.75	60.25	68.3
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	12	43.	44.25	75.	16.	377.477	19.429	18.7	27.75	62.	73.8
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	12	0.08	0.09	0.16	0.05	0.001	0.032	0.053	0.07	0.118	0.148

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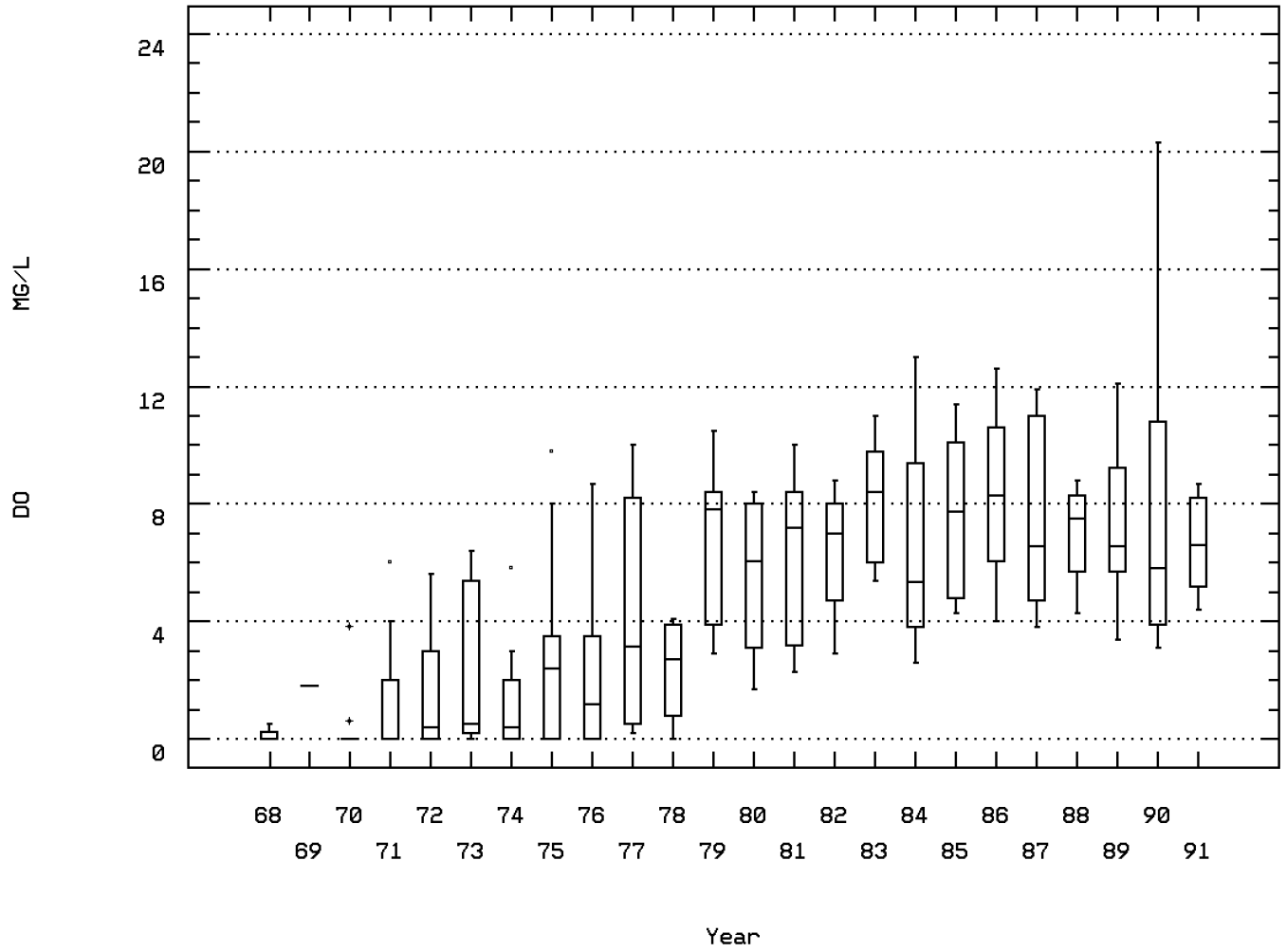
Annual Analysis for 1996 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	8	16.75	17.15	30.	7.4	79.011	8.889	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	8	285.	328.25	573.	95.	24866.214	157.69	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	8	270.	309.5	550.	96.	20965.429	144.794	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	8	8.8	8.238	12.9	4.8	6.971	2.64	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	8	5.5	5.125	9.	1.	7.268	2.696	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	7	38.	37.286	55.	15.	213.238	14.603	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	8	6.665	6.719	7.31	6.23	0.171	0.414	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	8	6.647	6.573	7.31	6.23	0.196	0.442	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	8	0.225	0.267	0.589	0.049	0.042	0.205	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	8	7.1	7.175	7.7	6.9	0.094	0.306	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	8	7.1	7.1	7.7	6.9	0.1	0.316	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	8	0.079	0.079	0.126	0.02	0.002	0.04	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	8	42.	48.125	87.	19.	483.268	21.983	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	8	192.	211.125	322.	142.	4649.554	68.188	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	8	40.	37.5	46.	25.	43.143	6.568	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	8	151.5	173.625	290.	109.	4427.982	66.543	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	27.	31.5	83.	6.	588.857	24.266	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	8	6.5	7.938	14.	1.5	23.46	4.844	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	20.5	23.625	69.	5.	410.268	20.255	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	7	3.05	2.521	5.59	0.16	4.215	2.053	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	7	0.06	0.121	0.4	0.02	0.018	0.135	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	7	0.44	0.61	1.4	0.3	0.141	0.375	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	7	3.3	3.757	7.4	0.9	7.026	2.651	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	7	0.16	0.153	0.25	0.08	0.003	0.056	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	8	10.25	11.113	17.8	6.7	15.978	3.997	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	7	54.	50.429	62.	28.	139.286	11.802	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	8	31.	35.	67.	8.	305.429	17.477	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	8	29.	34.125	62.	10.	273.839	16.548	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	7	0.08	0.089	0.13	0.05	0.001	0.032	**	**	**	**

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Station: PETE0018 Parameter Code: 00300

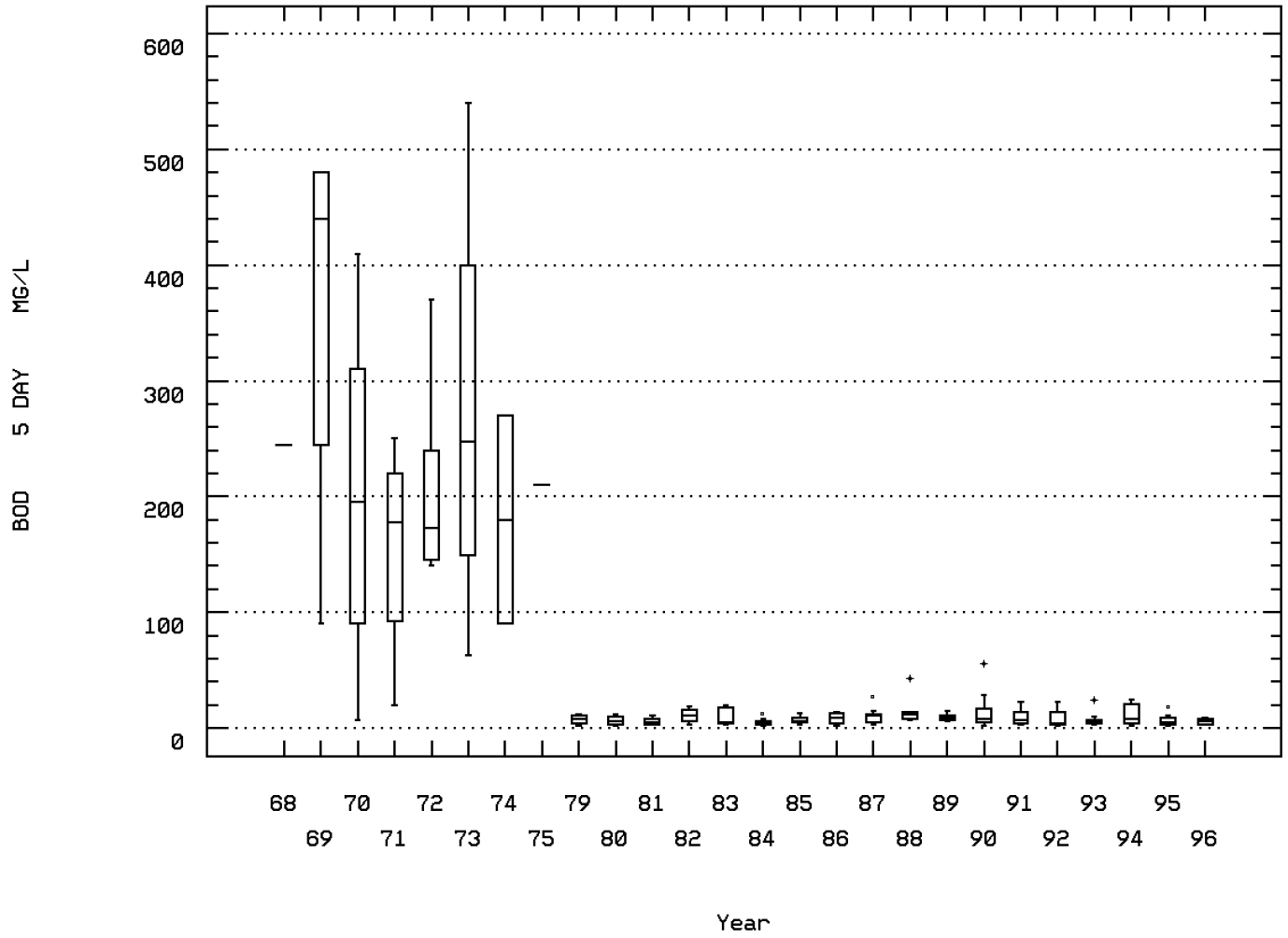
OXYGEN, DISSOLVED



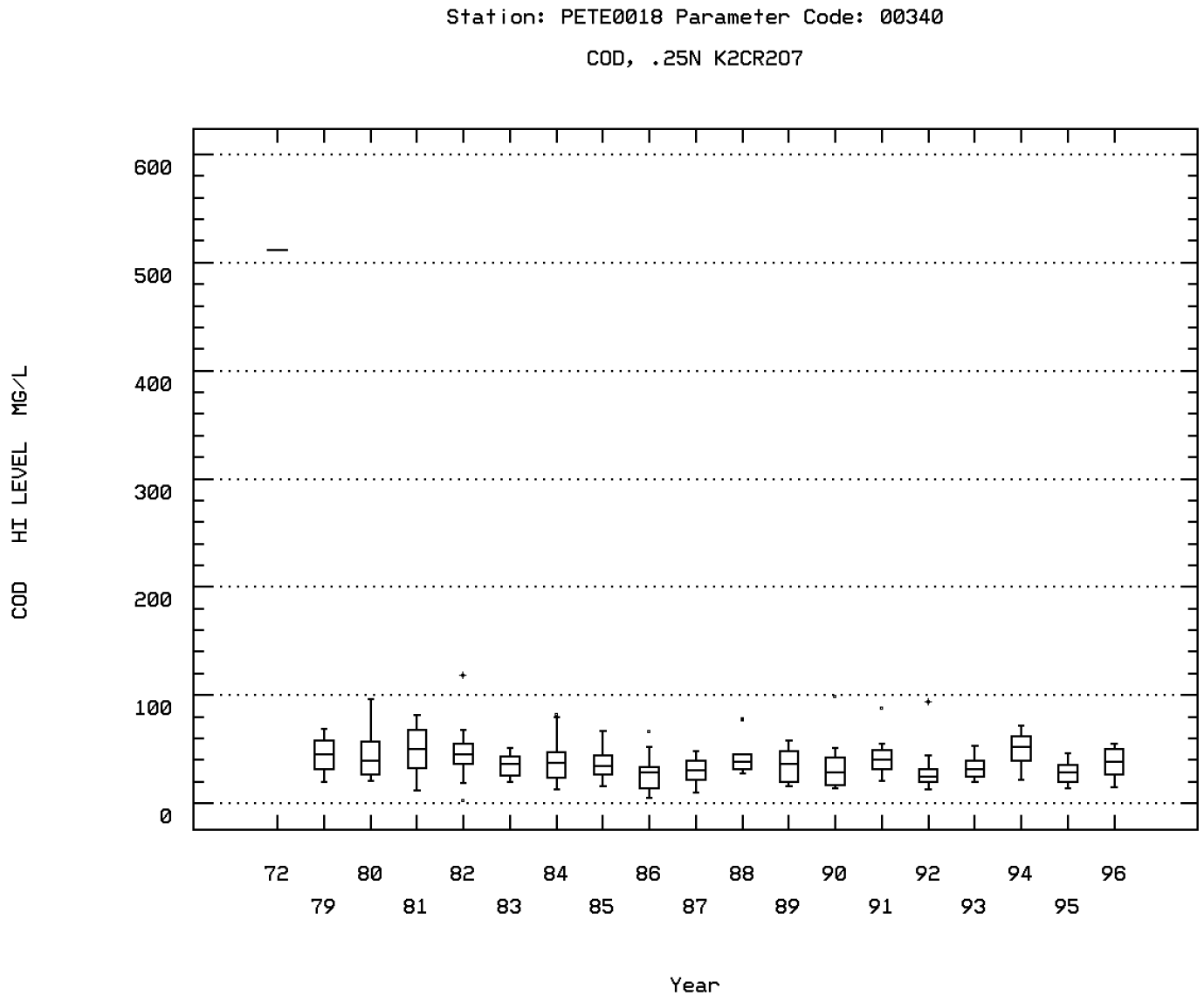
RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00310

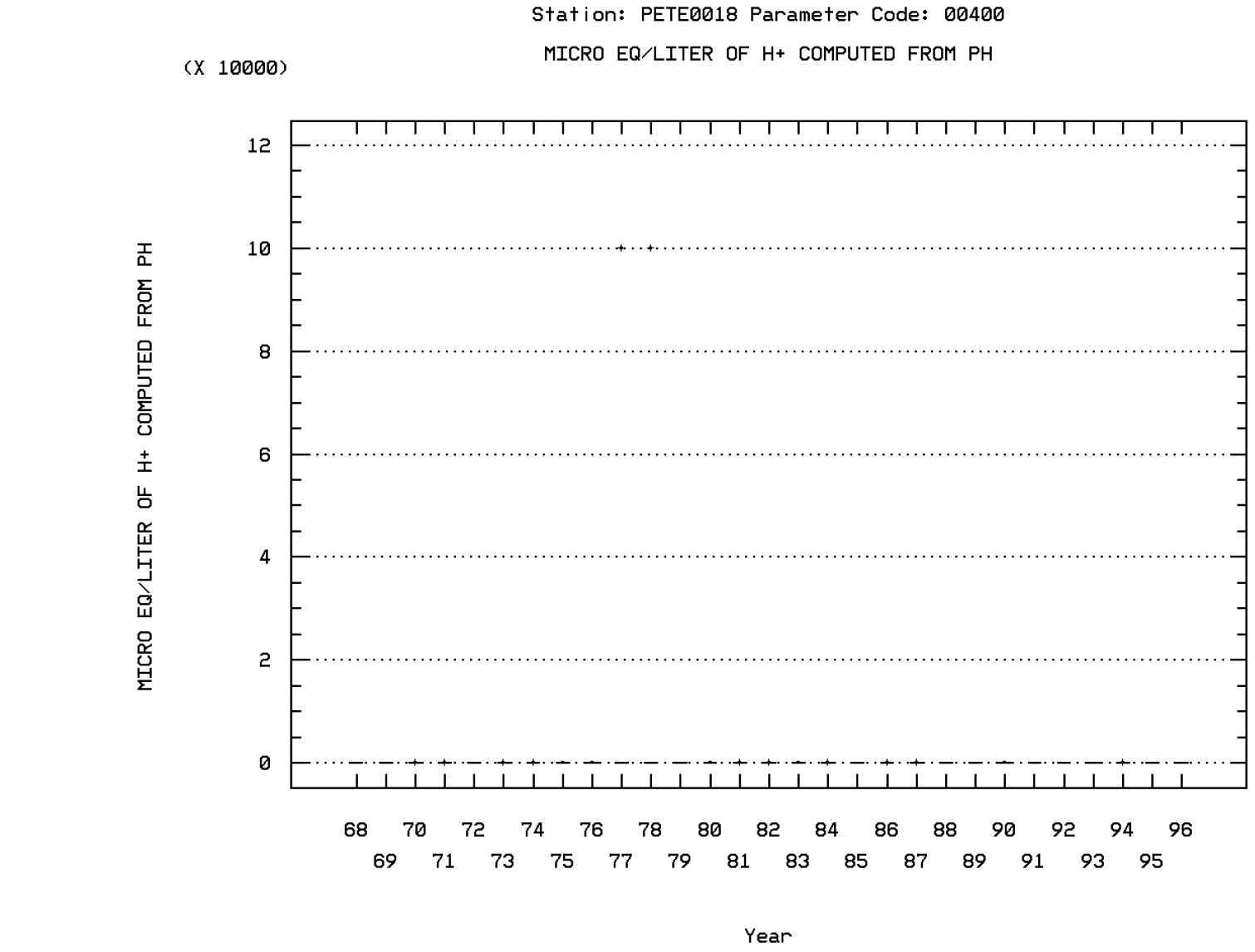
BOD, 5 DAY, 20 DEG C



RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00340
COD, .25N K2CR2O7
COD HI LEVEL MG/L
600
500
400
300
200
100
0
72
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
Year

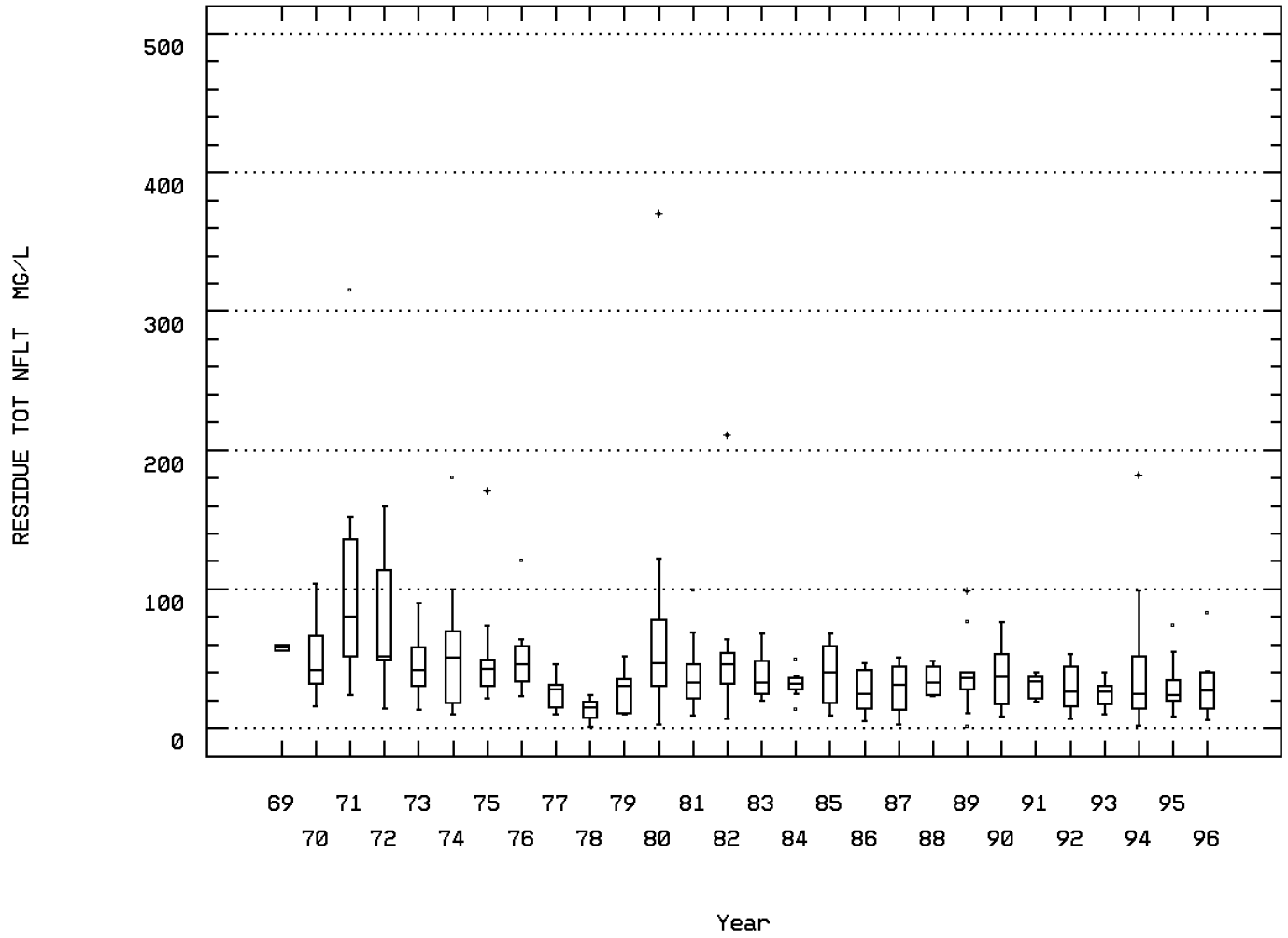
RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00400
MICRO EQ/LITER OF H+ COMPUTED FROM PH
(X 10000)
MICRO EQ/LITER OF H+ COMPUTED FROM PH
12
10
8
6
4
2
0
68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96
Year

RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00530

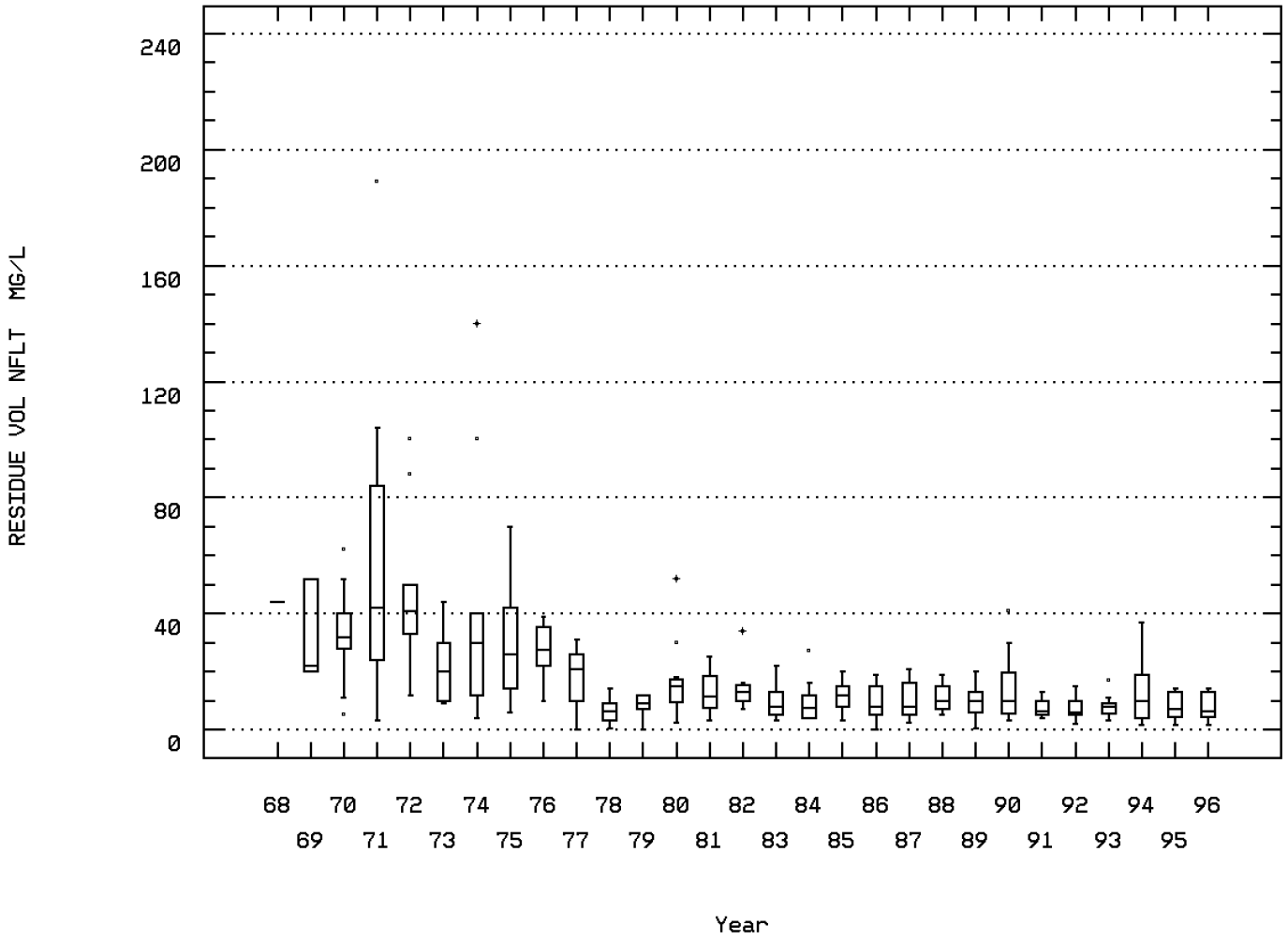
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00535

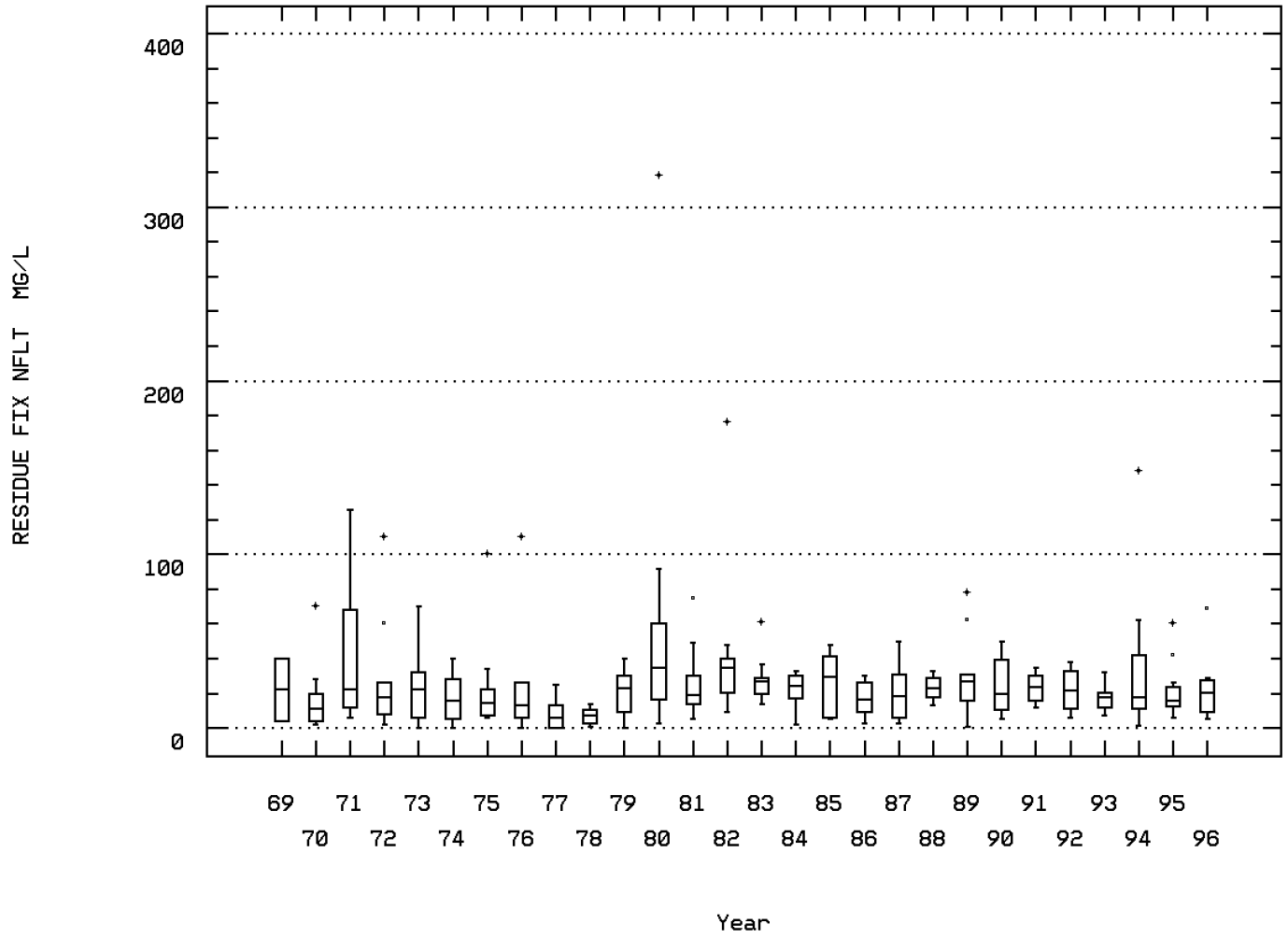
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00540

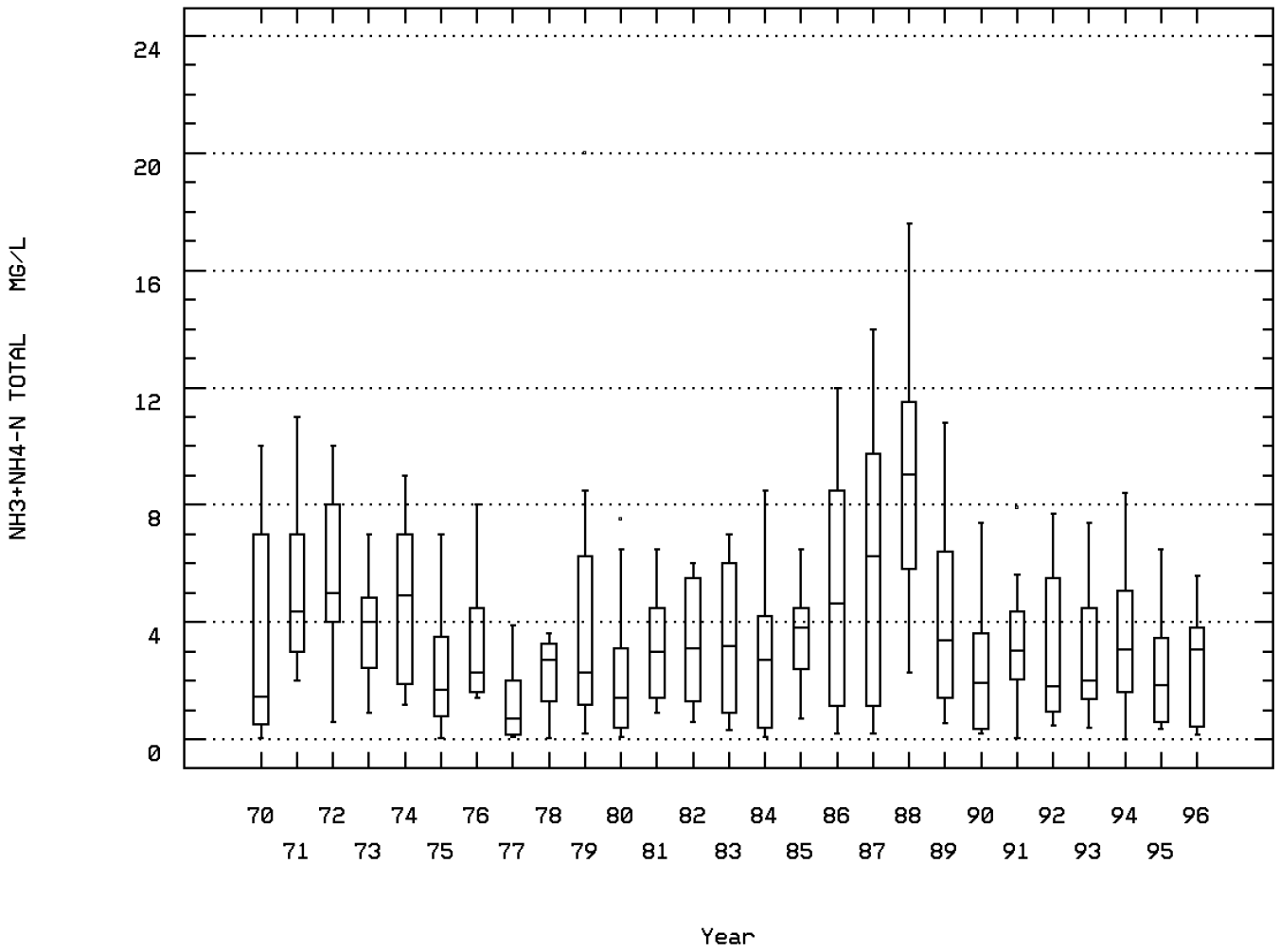
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00610

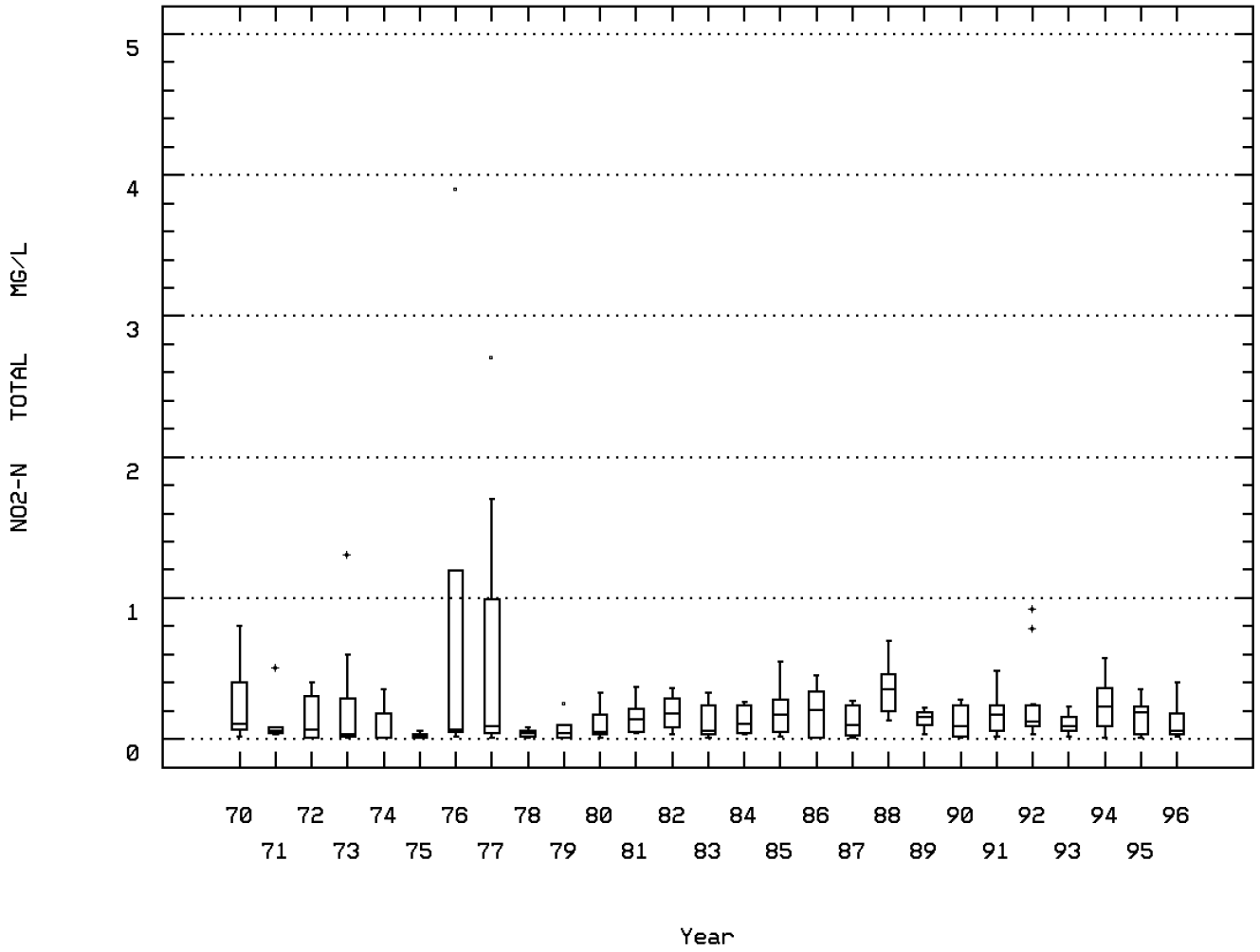
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00615

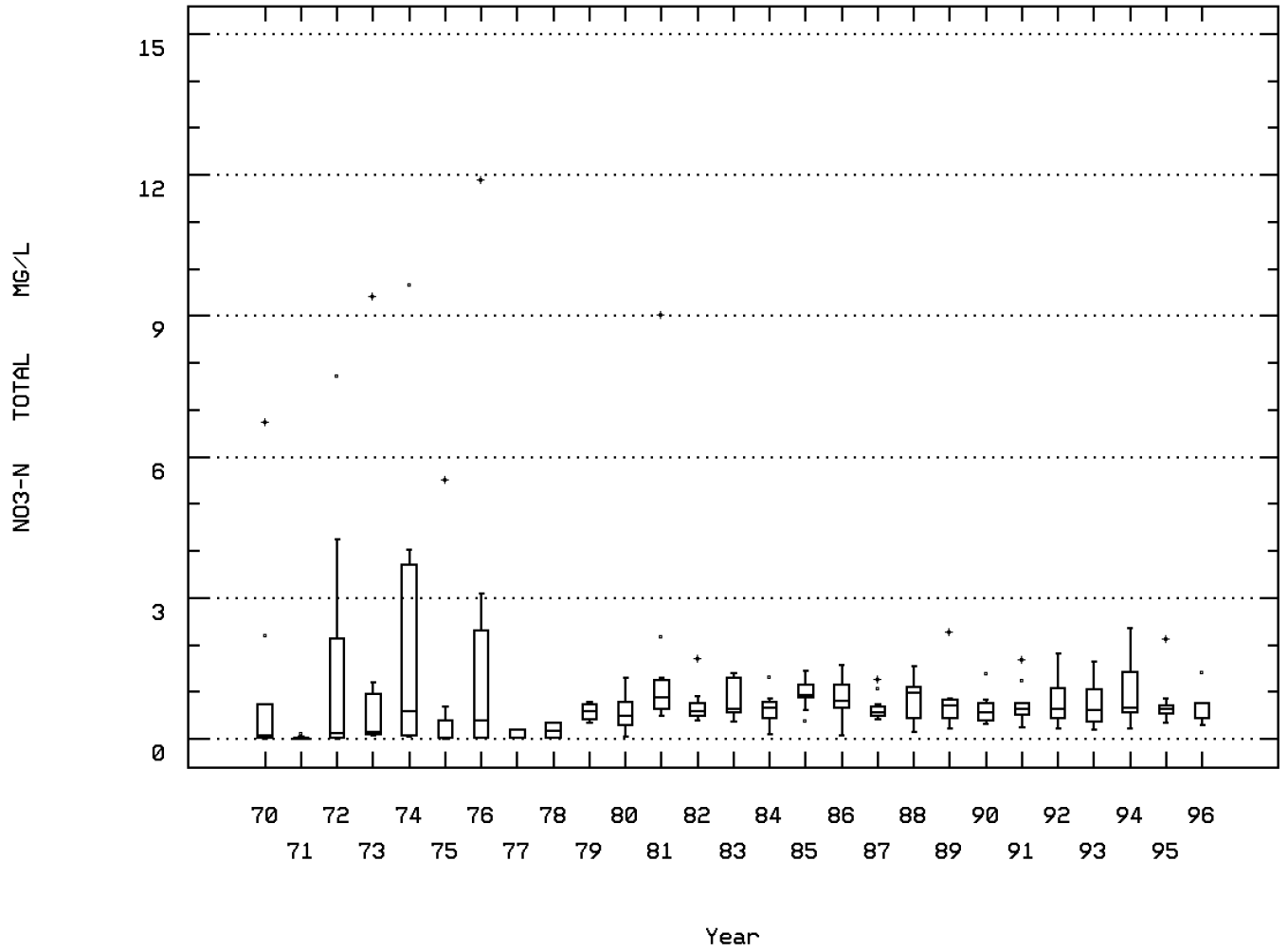
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00620

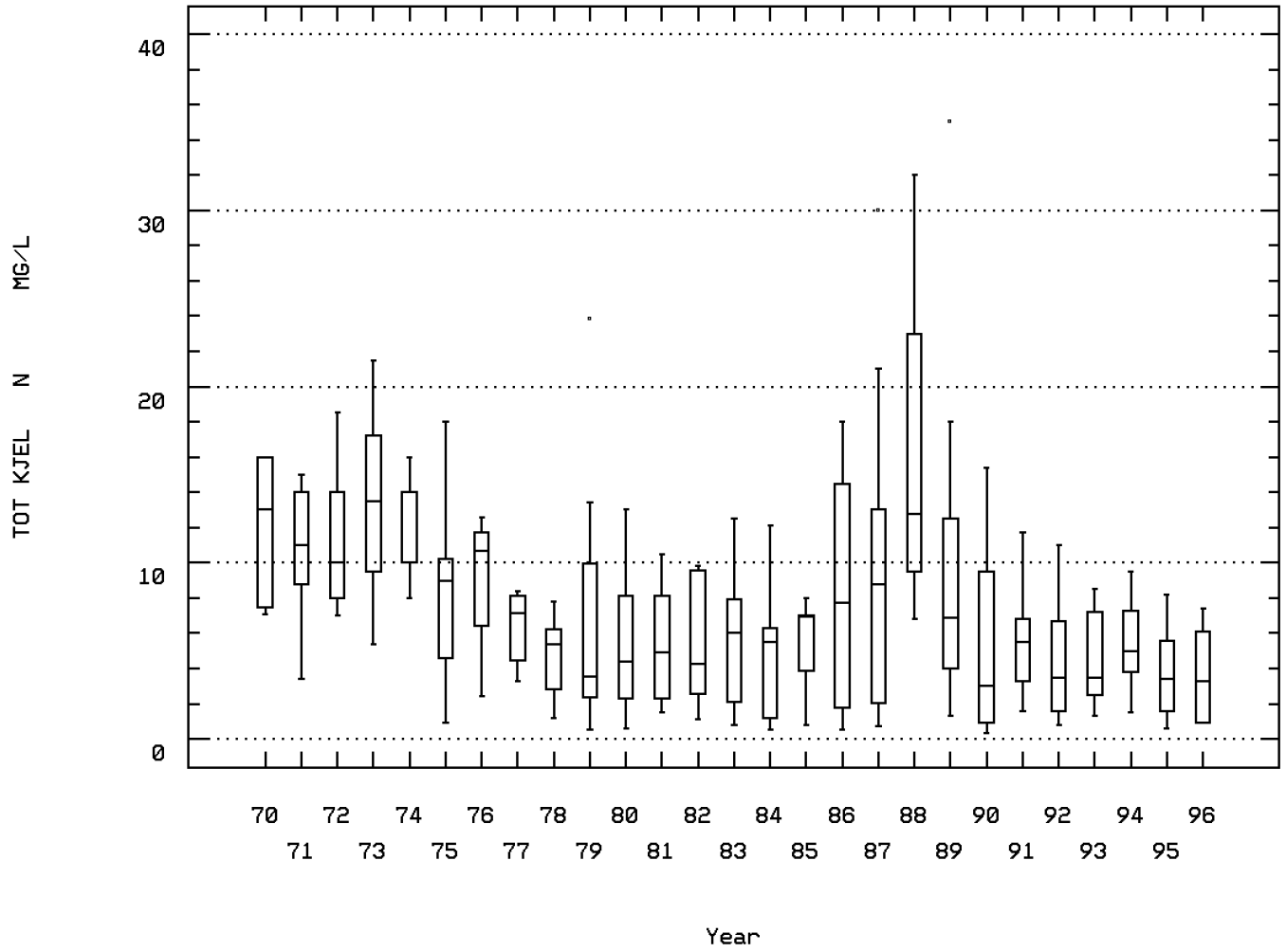
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00625

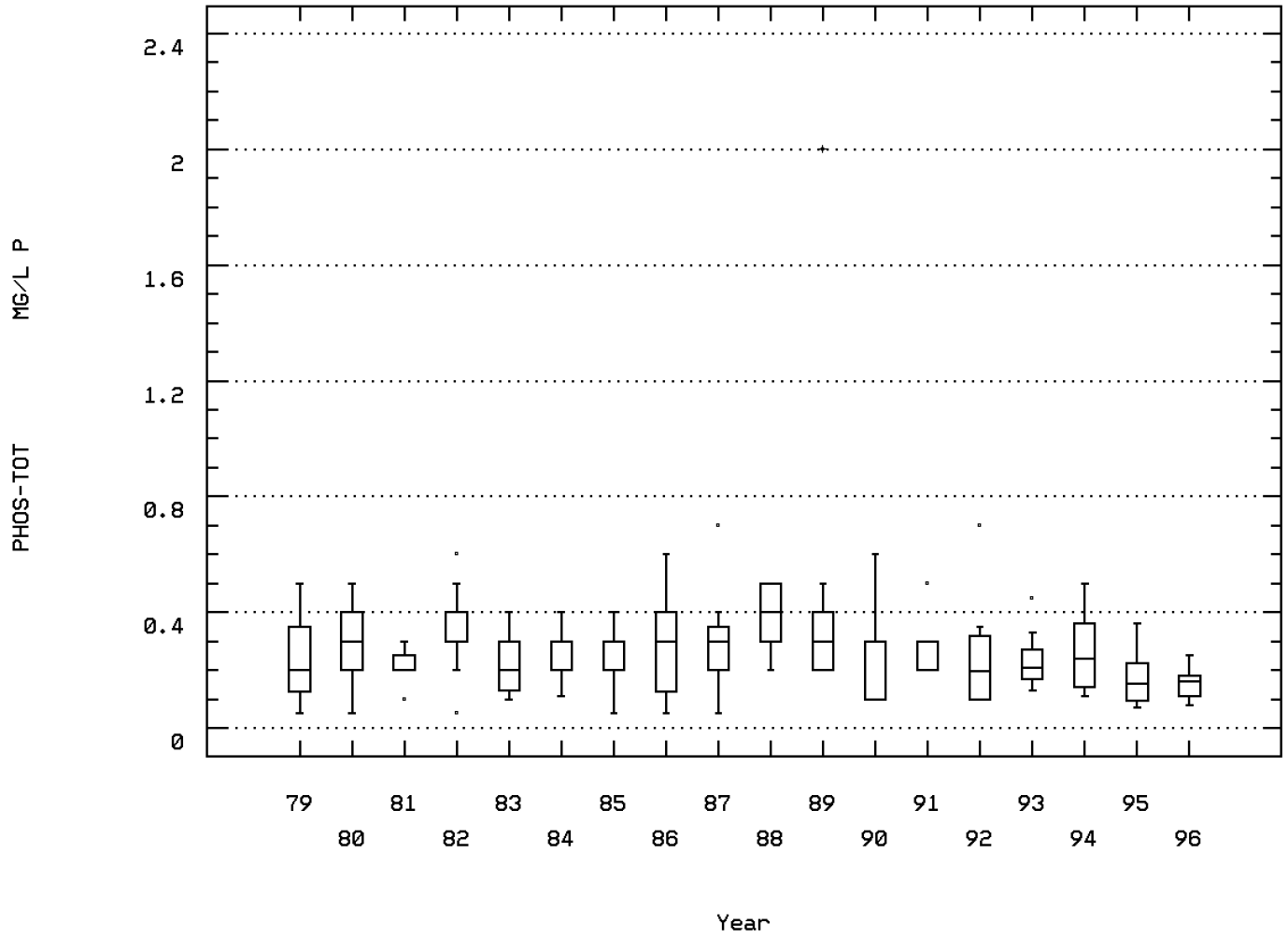
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00665

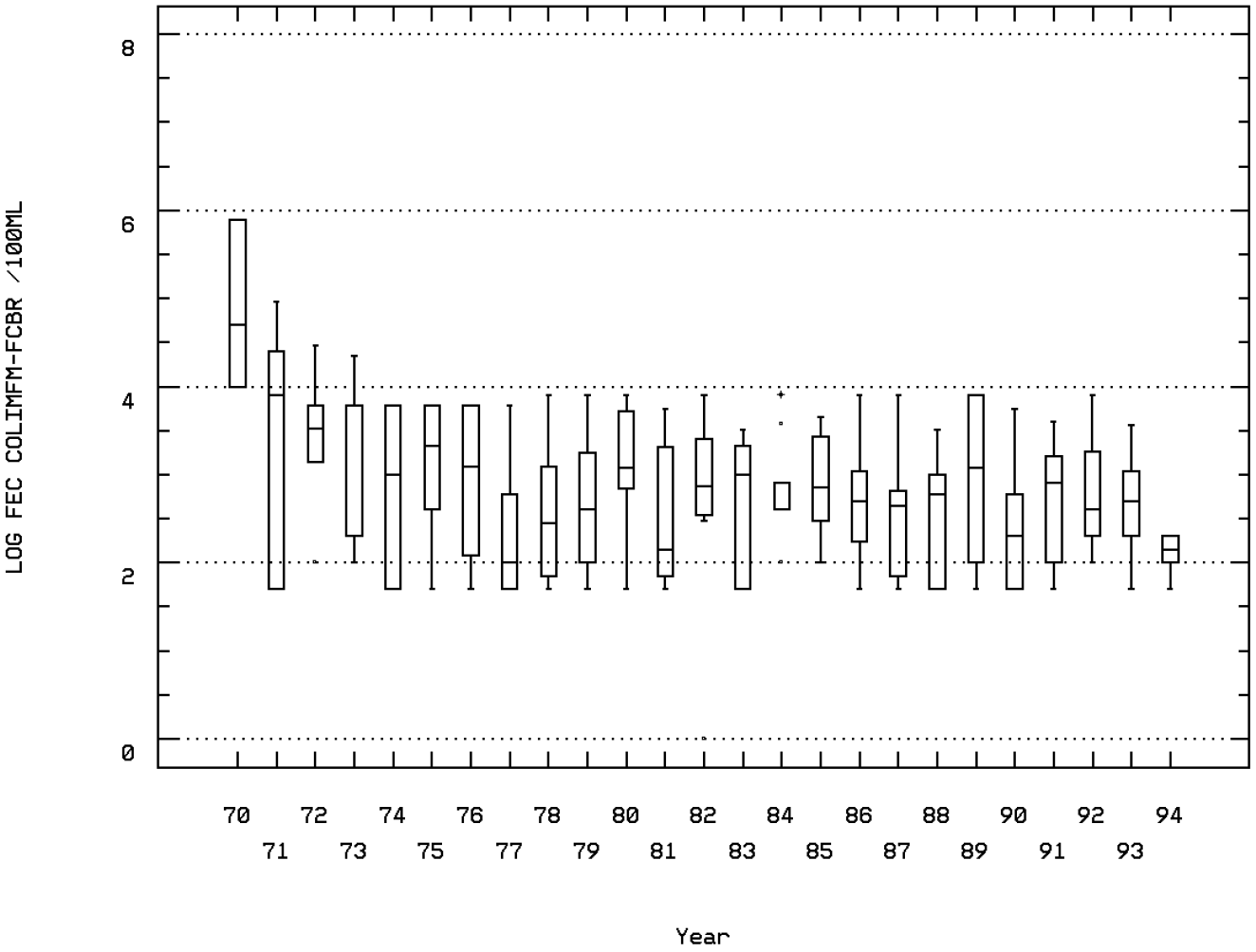
PHOSPHORUS, TOTAL (MG/L AS P)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



RT. 10 BRIDGE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	88	27.7	26.843	35.1	11.1	18.352	4.284	20.9	25.	29.375	32.02
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	9	34.	36.111	59.	13.	221.111	14.87	13.	28.	48.	59.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	39	509.	533.846	868.	95.	27147.449	164.765	370.	437.	649.	775.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	25	442.	434.32	707.	96.	21036.143	145.038	264.	320.	518.5	674.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	21	4.6	5.848	17.9	2.5	12.836	3.583	2.94	3.4	8.2	9.76
00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	62	3.45	3.537	20.3	0.	13.171	3.629	0.	0.	5.2	8.
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	66	12.	44.315	410.	3.	8034.541	89.636	5.	6.	23.	175.
00340	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	56	43.5	44.857	98.	18.	285.034	16.883	26.4	34.25	51.75	68.3
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	86	7.295	7.502	10.	6.	0.919	0.959	6.594	6.9	7.65	9.26
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	86	7.295	6.992	10.	6.	1.182	1.087	6.594	6.9	7.65	9.26
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	86	0.051	0.102	1.	0.	0.02	0.141	0.001	0.023	0.126	0.255
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	29	7.5	7.607	9.5	6.9	0.371	0.609	7.	7.2	7.7	8.6
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	29	7.5	7.368	9.5	6.9	0.43	0.656	7.	7.2	7.7	8.6
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	29	0.032	0.043	0.126	0.	0.001	0.036	0.003	0.02	0.063	0.1
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	29	71.	73.241	189.	19.	931.618	30.522	42.	58.5	80.	96.
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	52	357.5	767.577	2459.	149.	490267.19	700.191	222.4	286.5	1183.5	2072.1
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	53	63.	159.509	622.	26.	26034.024	161.351	33.4	48.	260.5	450.
00510p	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	53	296.	619.321	1973.	109.	297613.953	545.54	184.4	230.	992.	1574.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	82	39.5	46.854	370.	0.5	2554.182	50.539	16.6	28.	51.25	68.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	81	13.	19.407	189.	0.5	507.201	22.521	7.	11.	20.5	39.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	82	23.	27.854	318.	0.	1403.392	37.462	3.3	14.5	31.25	47.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	81	3.6	4.225	20.	0.05	11.156	3.34	0.92	2.	5.425	8.9
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	78	0.185	0.209	1.699	0.005	0.055	0.234	0.019	0.06	0.263	0.382
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	75	0.57	0.63	9.	0.005	1.105	1.051	0.028	0.18	0.72	1.066
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	80	7.05	8.784	30.	0.9	29.682	5.448	3.41	4.8	11.593	16.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	55	0.3	0.317	0.6	0.07	0.012	0.111	0.2	0.23	0.4	0.5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	34	0.2	0.206	0.46	0.07	0.005	0.07	0.135	0.17	0.23	0.29
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	55	12.1	14.889	34.	5.8	51.603	7.184	8.26	9.4	20.	24.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	24	66.5	67.917	104.	28.	280.862	16.759	50.	55.75	77.5	95.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	26	51.	48.	95.	8.	374.48	19.351	24.4	29.75	62.	70.2
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	26	59.	60.	141.	10.	722.88	26.886	32.1	40.5	74.5	89.5
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/19/93	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/19/93	4 ##	12.5	17.5	40.	5.	275.	16.583	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/19/93	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/19/93	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/19/93	4	29.	416.75	1589.	20.	610814.25	781.546	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	70	1000.	3165.714	29000.	50.	23330908.903	4830.208	50.	200.	6000.	8000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	70	3.	2.944	4.462	1.699	0.664	0.815	1.699	2.301	3.778	3.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			878.937								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	25	1.8	1.924	4.	0.3	1.371	1.171	0.52	0.8	3.	3.7
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	42	0.34	0.806	2.799	0.05	0.82	0.906	0.08	0.1	1.5	2.44
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/19/93	5 ##	0.25	0.26	0.5	0.15	0.021	0.143	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more 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: 10/16 to 3/09 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	116	10.	10.124	25.6	0.	29.041	5.389	3.78	5.85	13.3	17.86
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	13	25.	27.377	57.	2.8	303.275	17.415	4.76	12.05	38.5	55.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	49	369.	443.653	1204.	108.	70155.898	264.87	171.	221.5	615.5	786.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	31	347.	363.065	852.	142.	29647.529	172.185	194.6	226.	463.	620.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	30	7.9	7.883	12.3	4.5	3.935	1.984	4.91	6.575	9.5	10.18
00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	85	7.4	6.616	13.	0.	12.311	3.509	0.4	4.2	9.05	11.08
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	88	6.	39.326	540.	1.	8294.738	91.075	2.97	4.	11.	181.5
00340	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	77	31.	41.	512.	5.	3434.263	58.603	14.	21.	39.5	77.2

** - 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: 10/16 to 3/09 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	110	7.	7.257	10.	1.	1.537	1.24	6.346	6.643	7.478	9.3
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	110	7.	3.041	10.	1.	19.474	4.413	6.346	6.642	7.477	9.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	110	0.1	909.296	100000.	0.	90908715.654	9534.606	0.001	0.033	0.228	0.451
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	39	7.3	7.377	9.5	6.6	0.36	0.6	6.8	6.9	7.7	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	39	7.3	7.128	9.5	6.6	0.424	0.651	6.8	6.9	7.7	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	39	0.05	0.075	0.251	0.	0.004	0.066	0.01	0.02	0.126	0.158
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	39	57.	79.154	473.	24.	6207.028	78.785	30.	39.	89.	117.
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	68	360.	653.912	2669.	112.	383132.738	618.977	145.6	208.75	899.25	1772.5
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	68	55.	129.191	512.	20.	15061.441	122.725	29.	37.	215.75	309.2
00510p	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	66	284.	506.348	2413.	85.	242659.523	492.605	115.5	165.75	674.25	1303.3
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	107	25.	35.827	210.	0.5	1173.845	34.261	9.	14.	44.	74.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	109	8.	15.94	140.	0.	479.263	21.892	2.5	4.	18.5	42.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	107	15.	20.065	176.	0.	520.713	22.819	3.7	7.	24.	37.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	106	2.075	3.173	17.6	0.04	9.562	3.092	0.335	0.883	5.113	7.
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	106	0.06	0.133	1.199	0.005	0.029	0.169	0.01	0.02	0.19	0.35
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	101	0.75	1.165	9.649	0.005	2.513	1.585	0.084	0.465	1.215	2.078
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	108	5.249	6.574	35.	0.5	41.205	6.419	0.8	1.65	9.5	14.14
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	76	0.2	0.194	0.4	0.05	0.009	0.097	0.064	0.1	0.3	0.3
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	51	0.12	0.134	0.33	0.05	0.004	0.062	0.06	0.09	0.17	0.208
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	71	10.	11.835	38.	2.4	53.285	7.3	5.44	7.	14.	22.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	35	60.	62.657	132.	39.	302.585	17.395	44.4	52.	66.	84.2
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	35	41.	49.	250.	11.	1965.882	44.338	16.	22.	53.	91.8
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	32	39.5	48.688	179.	0.	1145.19	33.841	20.9	26.25	62.75	77.8
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	8 ##	5.	21.563	140.	2.5	2290.96	47.864	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/19/93	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/19/93	13	10.	21.538	60.	5.	451.603	21.251	5.	5.	40.	60.
01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/19/93	13	16.	18.385	50.	5.	240.59	15.511	5.	5.	30.	46.
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/19/93	13	10.	15.615	64.	5.	294.756	17.168	5.	5.	24.5	50.4
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/19/93	13	46.	173.231	650.	5.	49631.359	222.781	8.6	18.5	350.	594.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	96	600.	11082.813	780000.	50.	6405334043.586	80033.331	50.	100.	1800.	6000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	96	2.778	2.76	5.892	1.699	0.687	0.829	1.699	2.	3.255	3.778
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			576.039								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	32	0.925	1.228	4.	0.05	1.076	1.037	0.23	0.4	1.875	2.94
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	54	0.135	0.489	3.	0.03	0.464	0.681	0.06	0.08	0.625	1.749
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/19/93	13 ##	0.25	0.204	0.25	0.15	0.003	0.052	0.15	0.15	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 box-and-whisker plot

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	101	20.5	19.995	36.7	2.2	45.926	6.777	10.24	15.	25.9	27.78
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	11	31.	36.273	100.	19.	500.018	22.361	19.2	26.	40.	88.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	44	378.5	403.205	1052.	9.	47623.283	218.228	128.	245.25	563.5	638.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	24	278.5	341.208	582.	160.	20856.694	144.418	170.5	226.25	460.25	573.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	19	6.2	7.153	13.9	2.9	11.804	3.436	3.1	4.1	8.9	13.2
00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	79	4.8	4.611	11.2	0.	12.495	3.535	0.	0.7	7.8	9.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	75	8.	42.732	480.	1.	9480.986	97.37	3.	5.	14.	177.
00340	COD, .25N K2CR2O7 MG/L	10/26/72-08/13/96	61	36.	36.475	82.	2.	233.587	15.284	17.4	26.5	47.	55.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	95	7.29	7.566	11.5	1.	2.035	1.427	6.412	6.7	8.	10.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	95	7.29	2.978	11.5	1.	23.308	4.828	6.412	6.7	8.	10.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	95	0.051	1052.773	100000.	0.	105262857.4	10259.769	0.	0.01	0.2	0.387
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	33	7.3	7.53	9.5	6.6	0.447	0.668	6.84	7.1	7.8	8.64
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	33	7.3	7.235	9.5	6.6	0.537	0.733	6.84	7.1	7.8	8.64
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	33	0.05	0.058	0.251	0.	0.003	0.058	0.003	0.016	0.079	0.145
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	33	65.	89.03	460.	32.	7962.53	89.233	34.2	43.	87.5	190.8
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	62	379.	775.468	3123.	15.	536172.646	732.238	157.	242.	1196.	2033.1

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

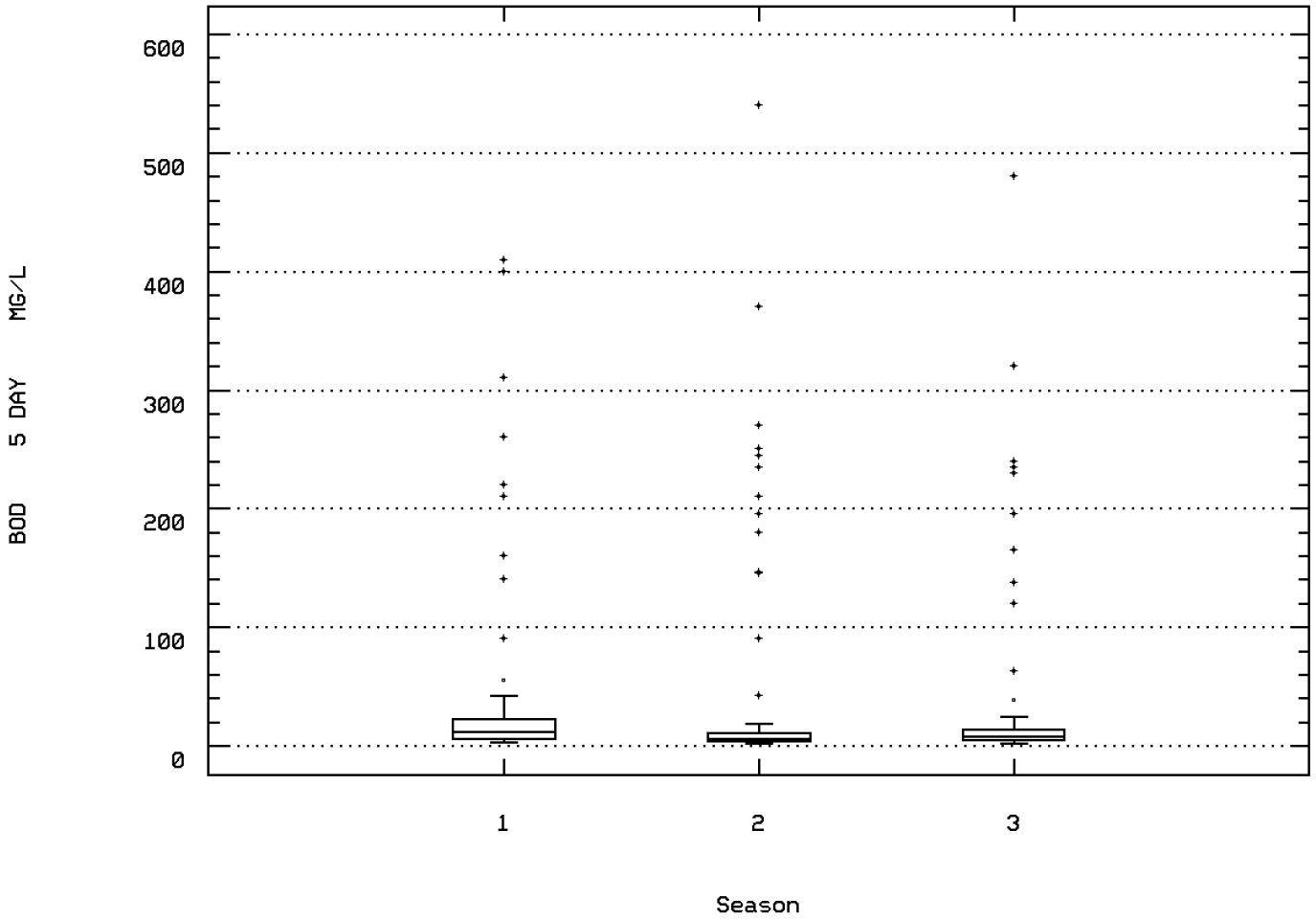
Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	62	84.	162.758	701.	8.	25090.711	158.4	32.	41.	294.25	372.1
00510p	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	61	329.	622.279	2653.	36.	348067.204	589.972	124.2	182.	906.5	1564.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	96	38.5	46.885	182.	7.	1279.071	35.764	15.7	24.	52.	99.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	96	11.5	18.104	104.	2.	323.884	17.997	5.	7.	25.5	39.3
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	96	24.5	28.885	148.	0.	648.103	25.458	6.	12.	33.75	60.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-08/13/96	96	2.85	3.823	14.	0.02	10.842	3.293	0.4	1.2	6.3	8.515
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	95	0.08	0.213	3.899	0.005	0.257	0.507	0.016	0.04	0.2	0.354
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-08/13/96	92	0.535	0.803	11.89	0.005	2.221	1.49	0.025	0.225	0.718	1.349
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-08/13/96	94	7.45	7.658	21.5	0.35	24.267	4.926	1.3	3.3	11.	14.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	59	0.3	0.341	2.	0.05	0.071	0.267	0.12	0.2	0.4	0.5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	45	0.18	0.318	5.	0.04	0.524	0.724	0.086	0.12	0.3	0.394
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-08/13/96	60	11.	12.52	28.	4.	37.395	6.115	6.32	8.125	15.	23.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	27	54.	55.704	105.	40.	182.986	13.527	43.6	48.	60.	70.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/72-08/13/96	25	31.	36.96	74.	13.	349.29	18.689	14.	22.5	53.	69.4
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	25	34.	41.08	96.	16.	402.41	20.06	19.6	25.5	54.	69.4
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	10 ##	2.25	2.7	5.	1.	2.844	1.687	1.	1.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/19/93	10 ##	5.	4.1	5.	0.5	3.6	1.897	0.5	3.875	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/19/93	16 ##	5.	17.688	90.	3.	583.563	24.157	4.4	5.	27.5	62.
01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/19/93	16	10.	16.125	40.	5.	192.25	13.865	5.	5.	27.5	40.
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/19/93	12	5.	12.083	49.	1.	190.811	13.813	1.6	4.	20.	40.9
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/19/93	16	105.	211.25	1000.	10.	72057.4	268.435	14.2	34.75	312.5	720.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	84	500.	2960.714	80000.	0.	84817895.869	9209.663	50.	100.	2350.	7000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-07/06/94	84	2.699	2.739	4.903	0.	0.714	0.845	1.699	2.	3.371	3.841
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			548.408								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	35	1.5	1.653	4.5	0.2	1.097	1.047	0.42	1.	2.2	3.14
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-08/13/96	52	0.32	0.741	4.	0.04	0.709	0.842	0.073	0.113	1.199	1.925
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/19/93	13 ##	0.25	0.212	0.25	0.15	0.003	0.051	0.15	0.15	0.25	0.25

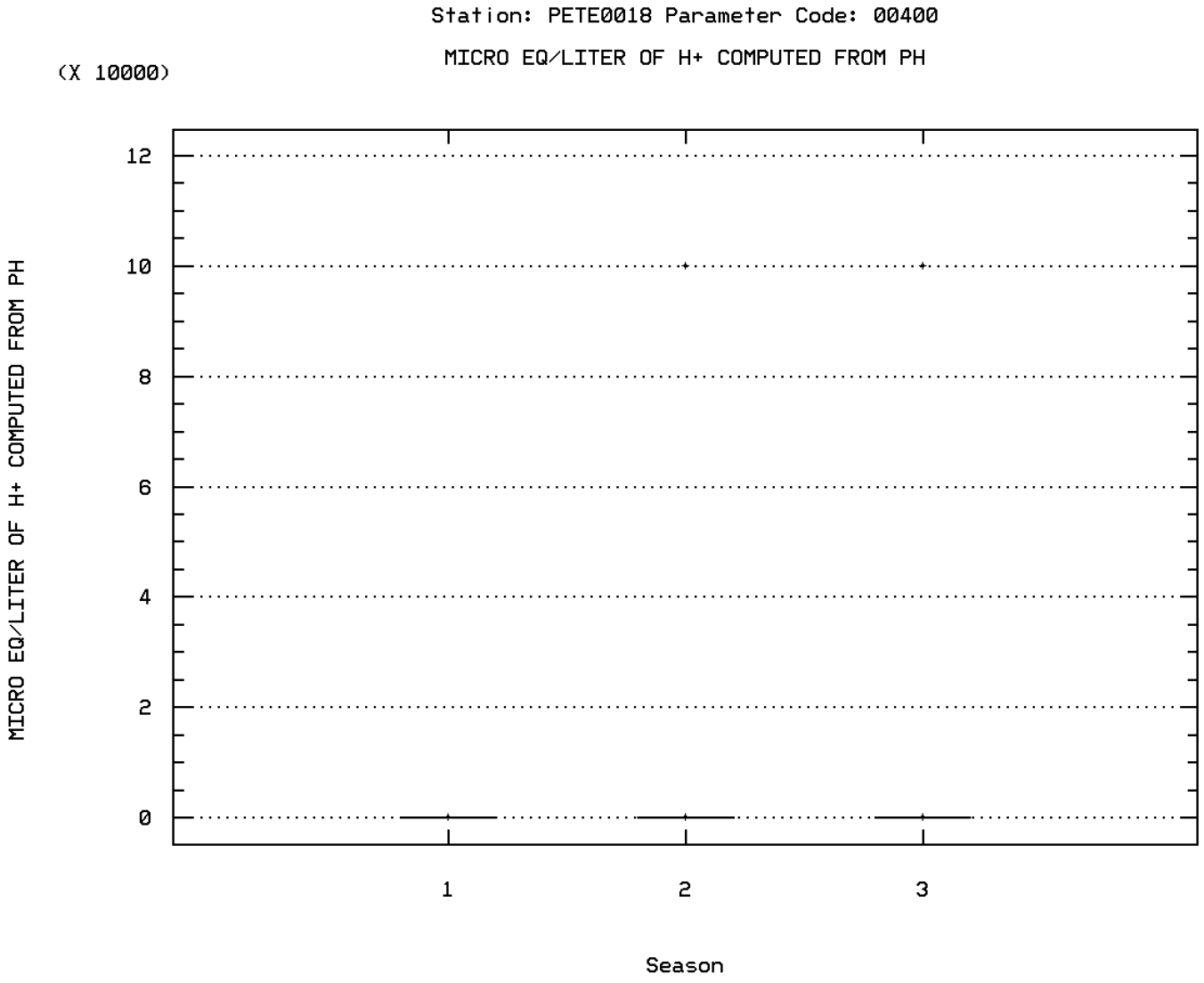
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PETE0018 Parameter Code: 00310

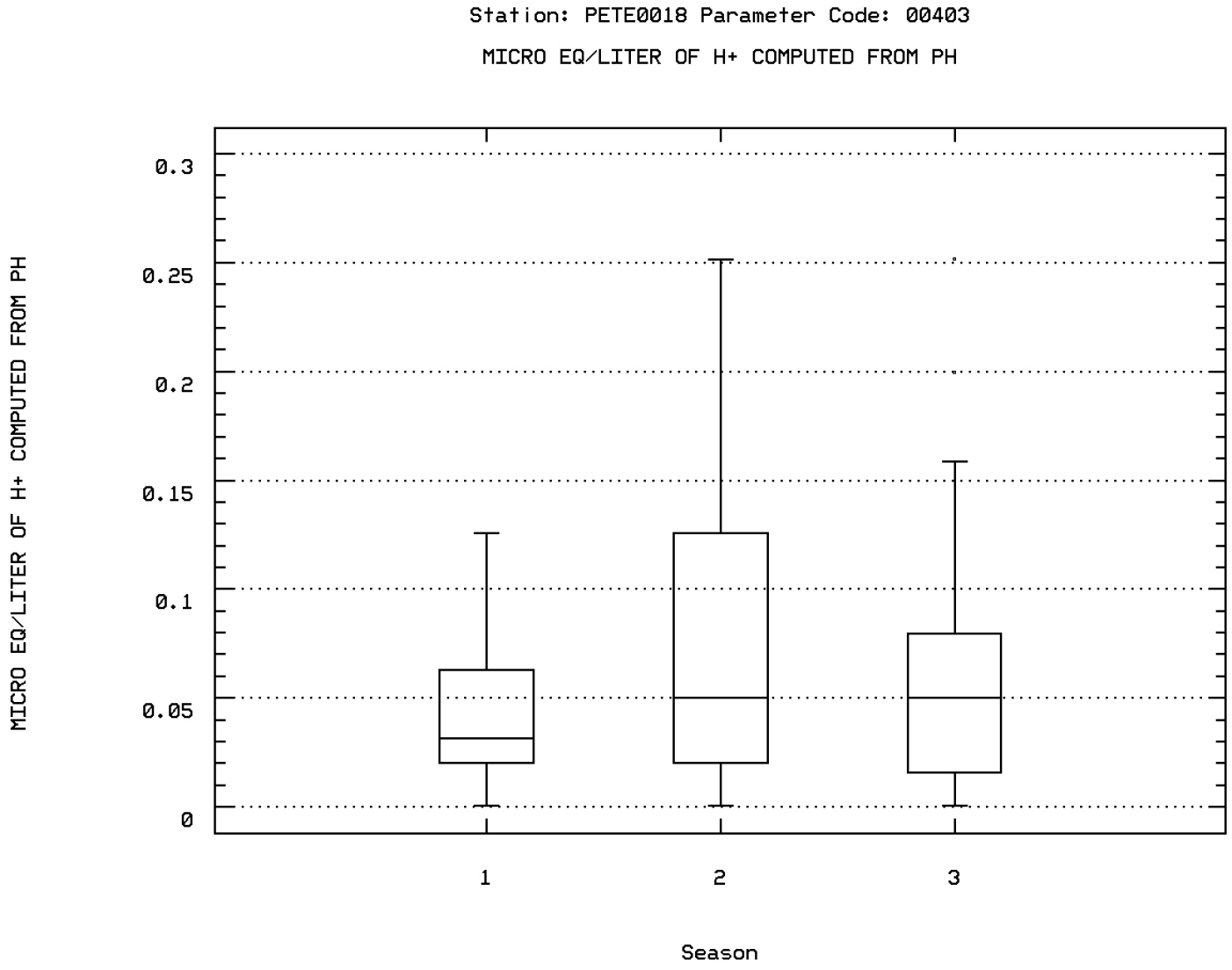
BOD, 5 DAY, 20 DEG C



RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00400
MICRO EQ/LITER OF H+ COMPUTED FROM PH
(X 10000)
MICRO EQ/LITER OF H+ COMPUTED FROM PH
12
10
8
6
4
2
0
1
2
3
Season

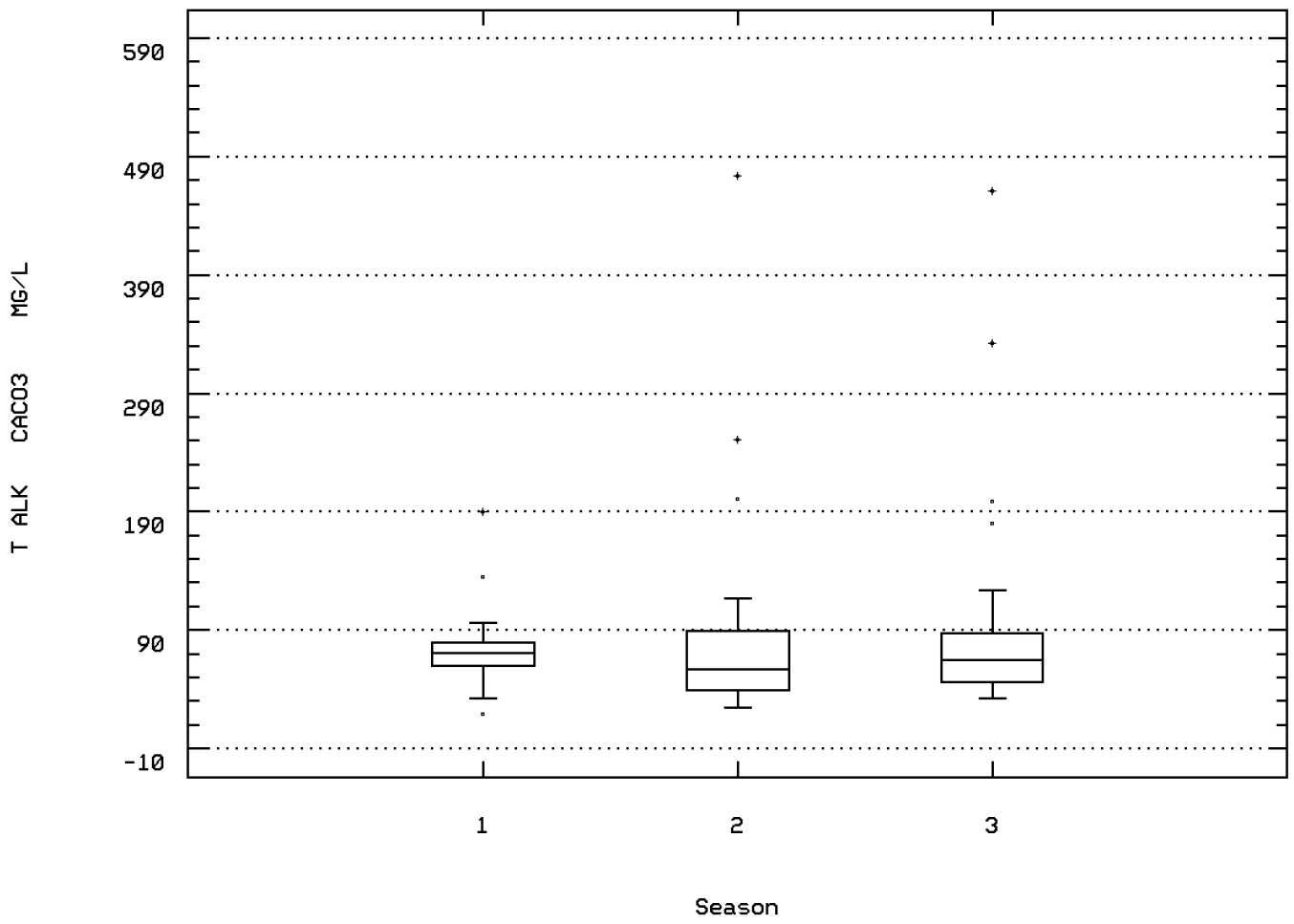
RT. 10 BRIDGE


Station: PETE0018 Parameter Code: 00403
MICRO EQ/LITER OF H+ COMPUTED FROM PH
MICRO EQ/LITER OF H+ COMPUTED FROM PH
0.3
0.25
0.2
0.15
0.1
0.05
0
1
2
3
Season

RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00410

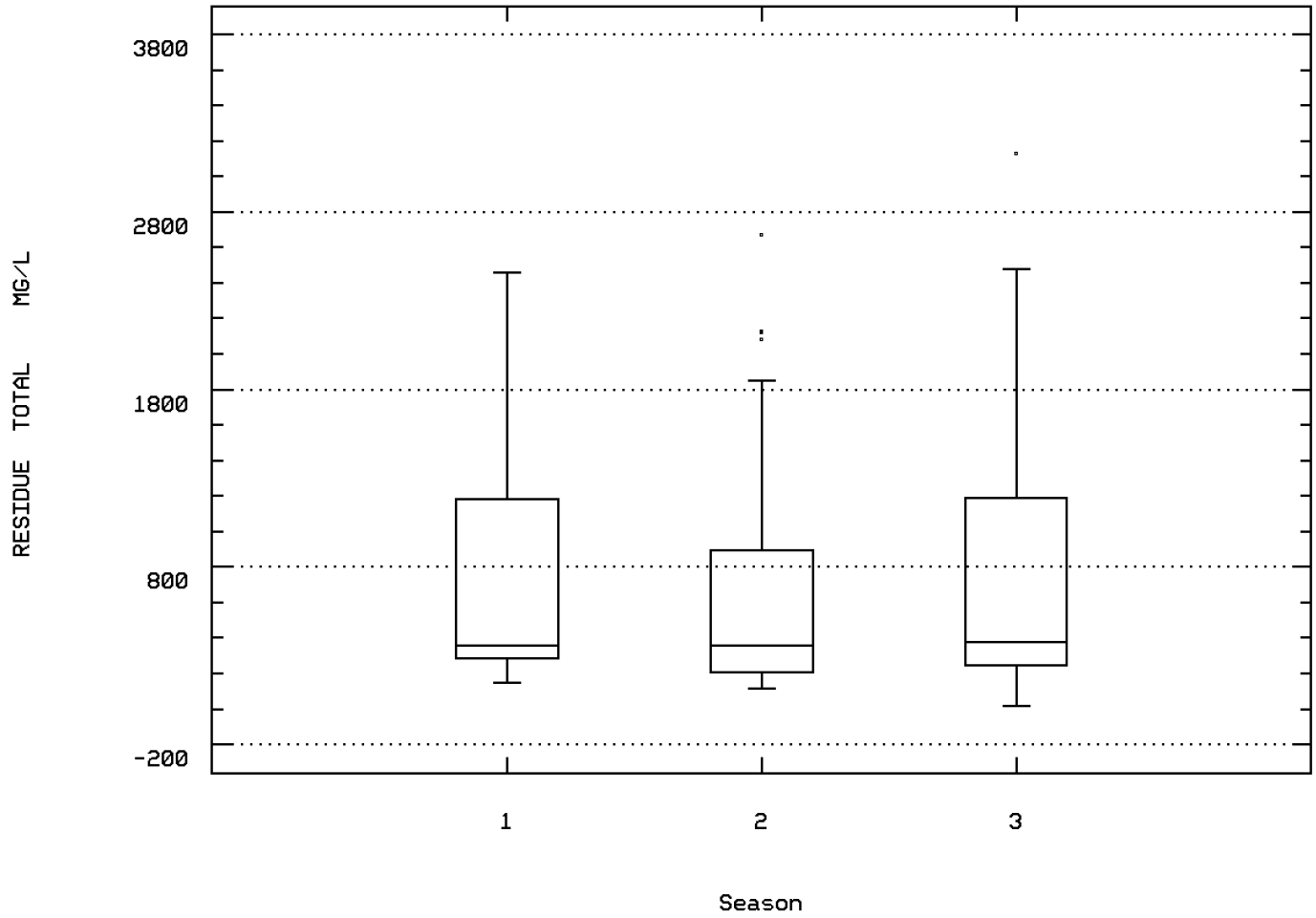
ALKALINITY, TOTAL (MG/L AS CACO3)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00500

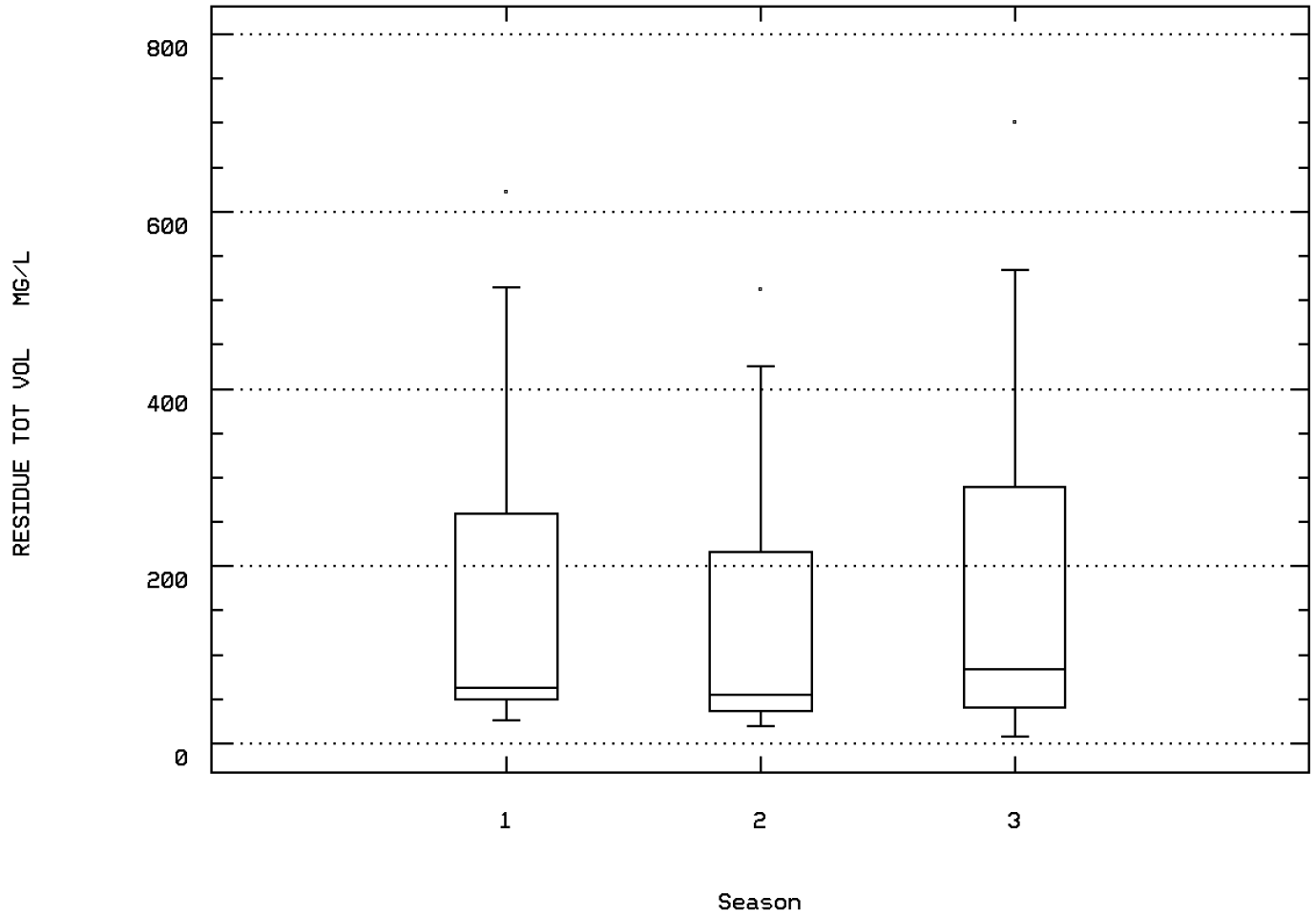
RESIDUE, TOTAL (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00505

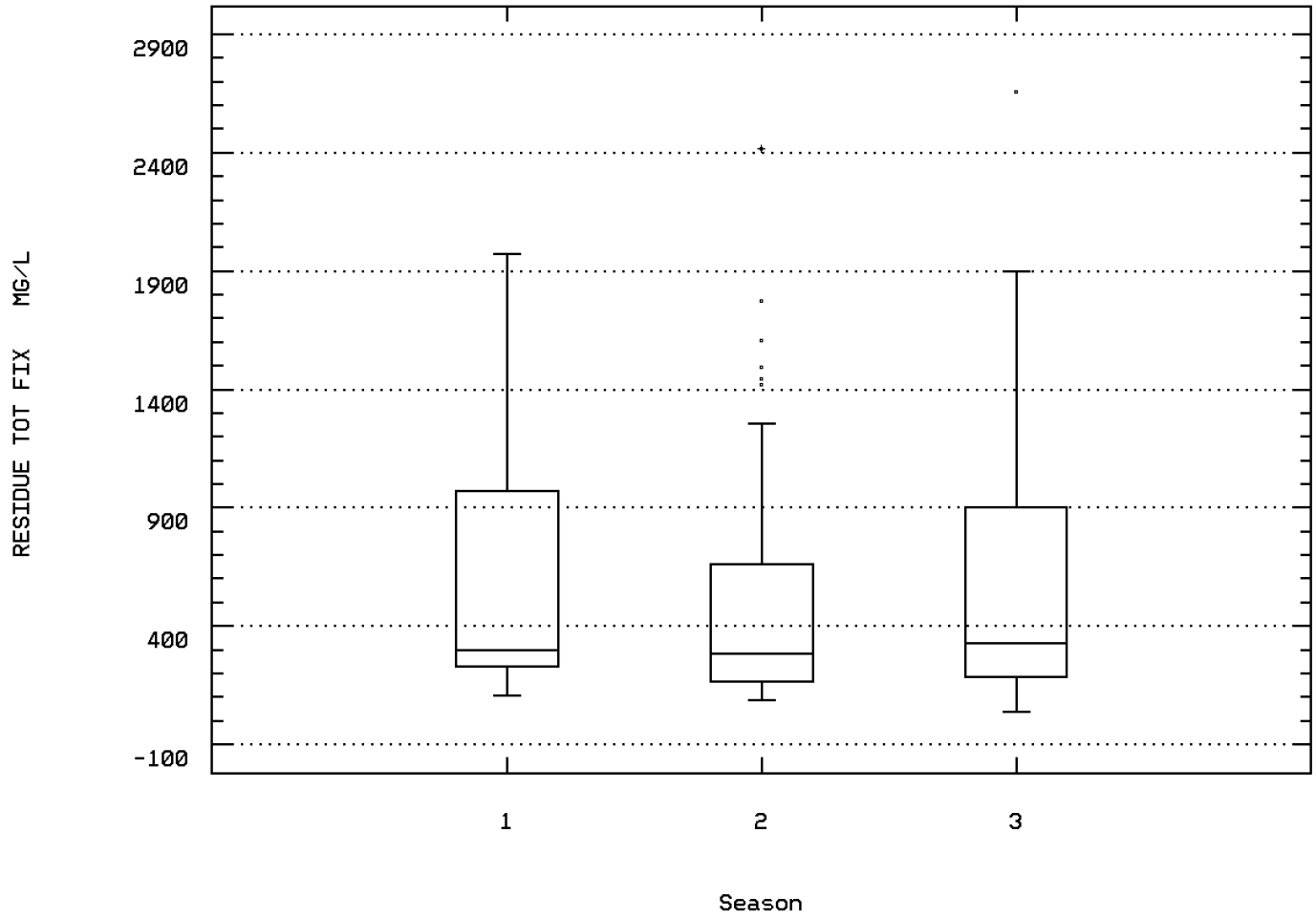
RESIDUE, TOTAL VOLATILE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00510

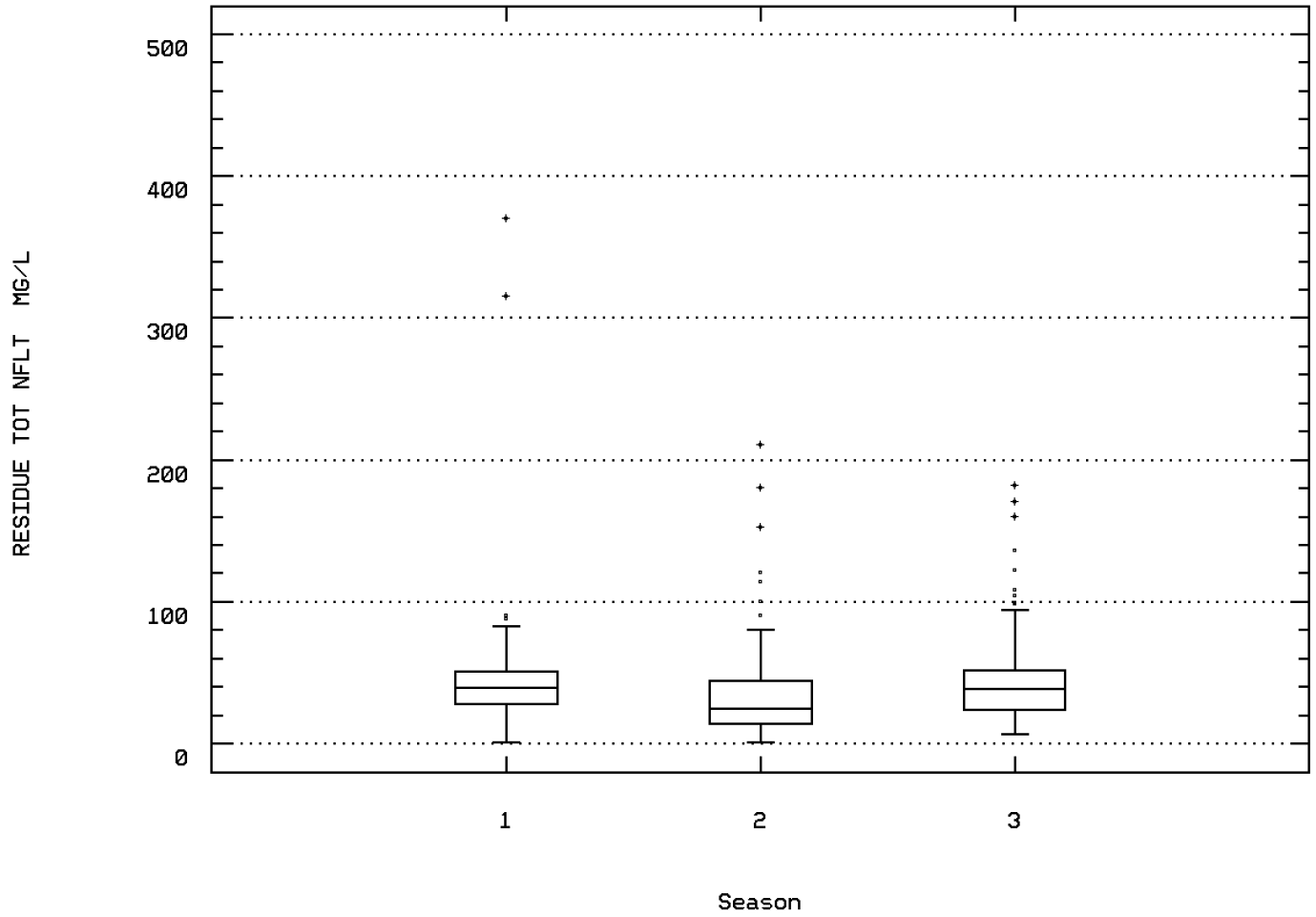
RESIDUE, TOTAL FIXED (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00530

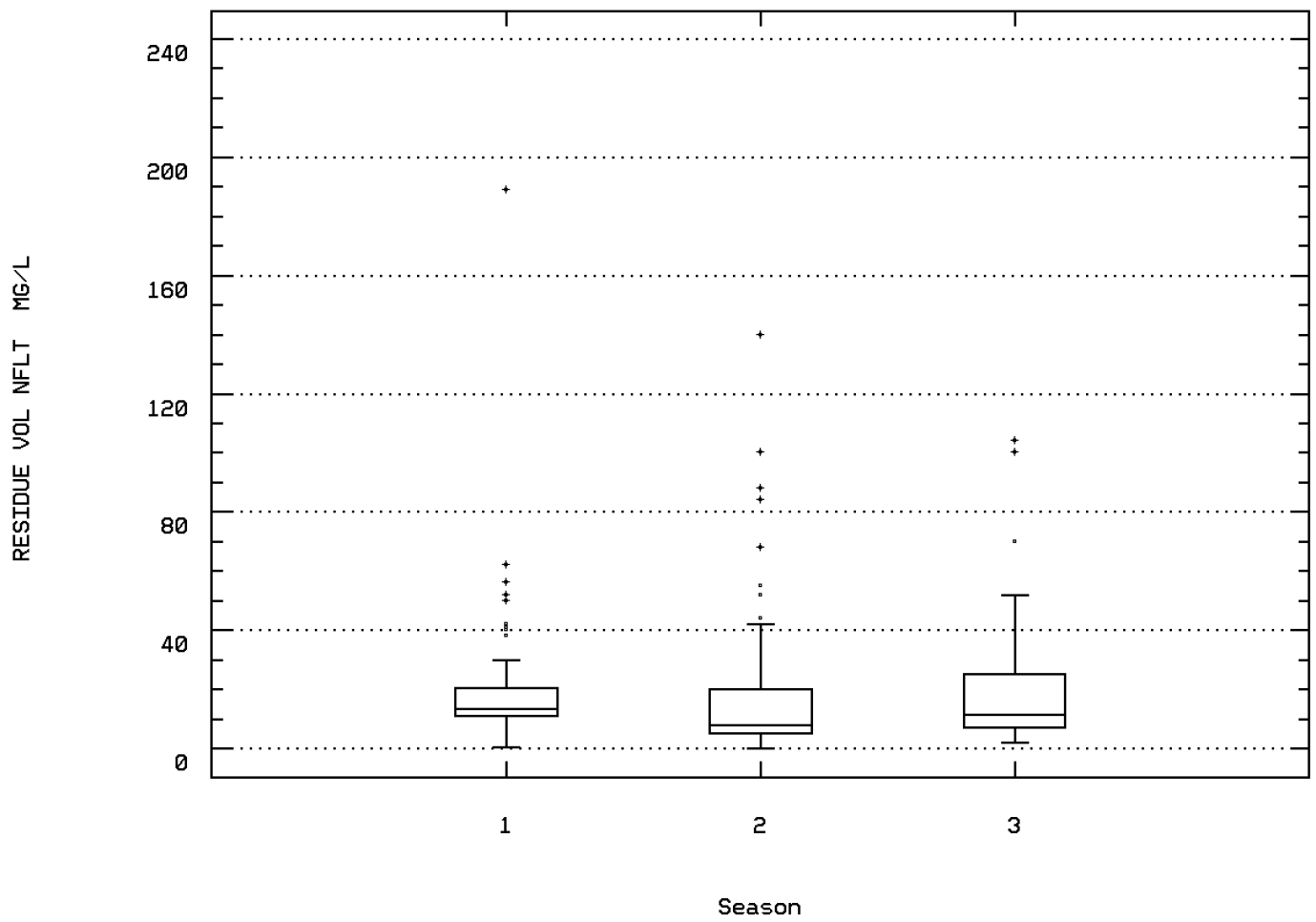
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00535

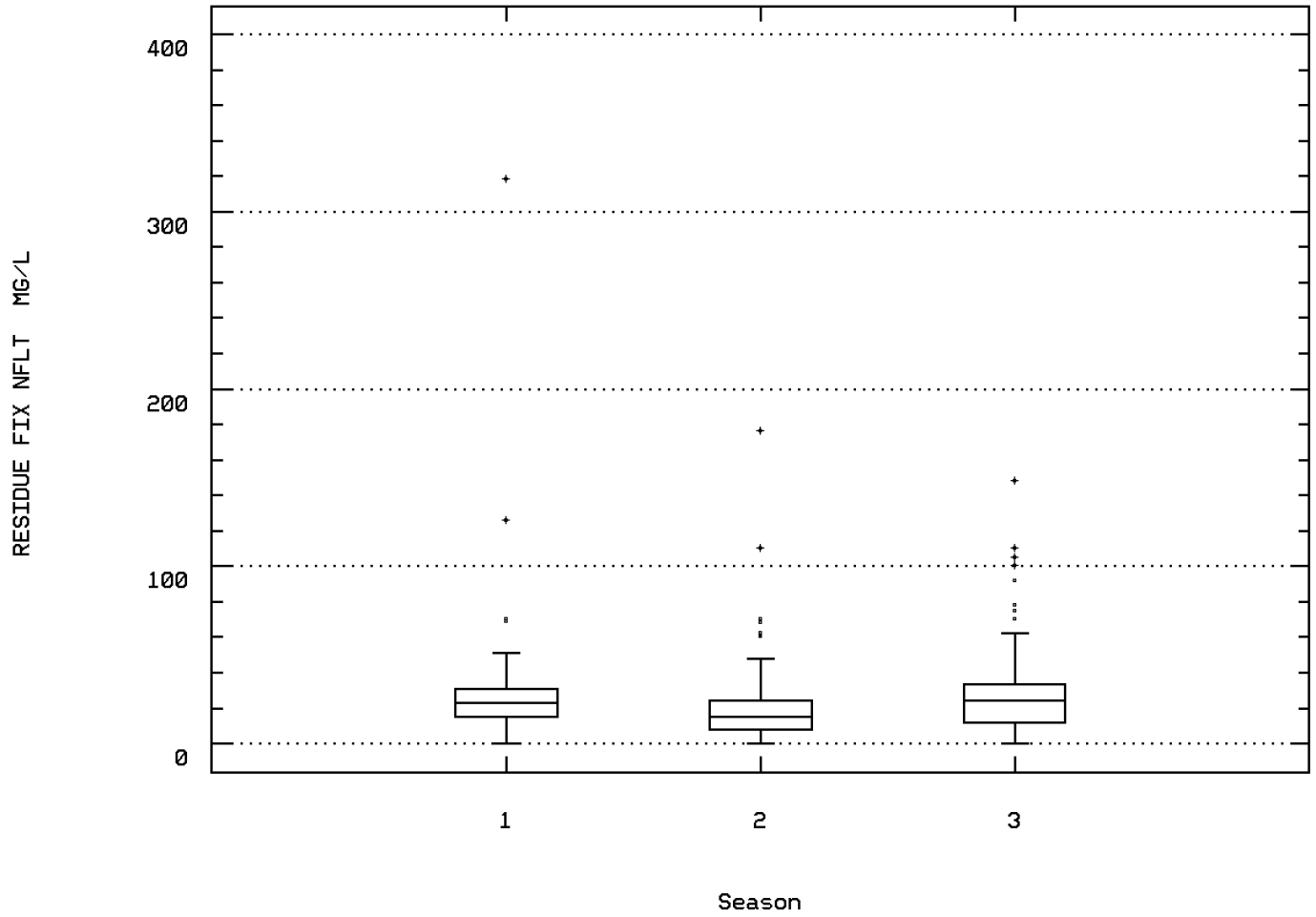
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00540

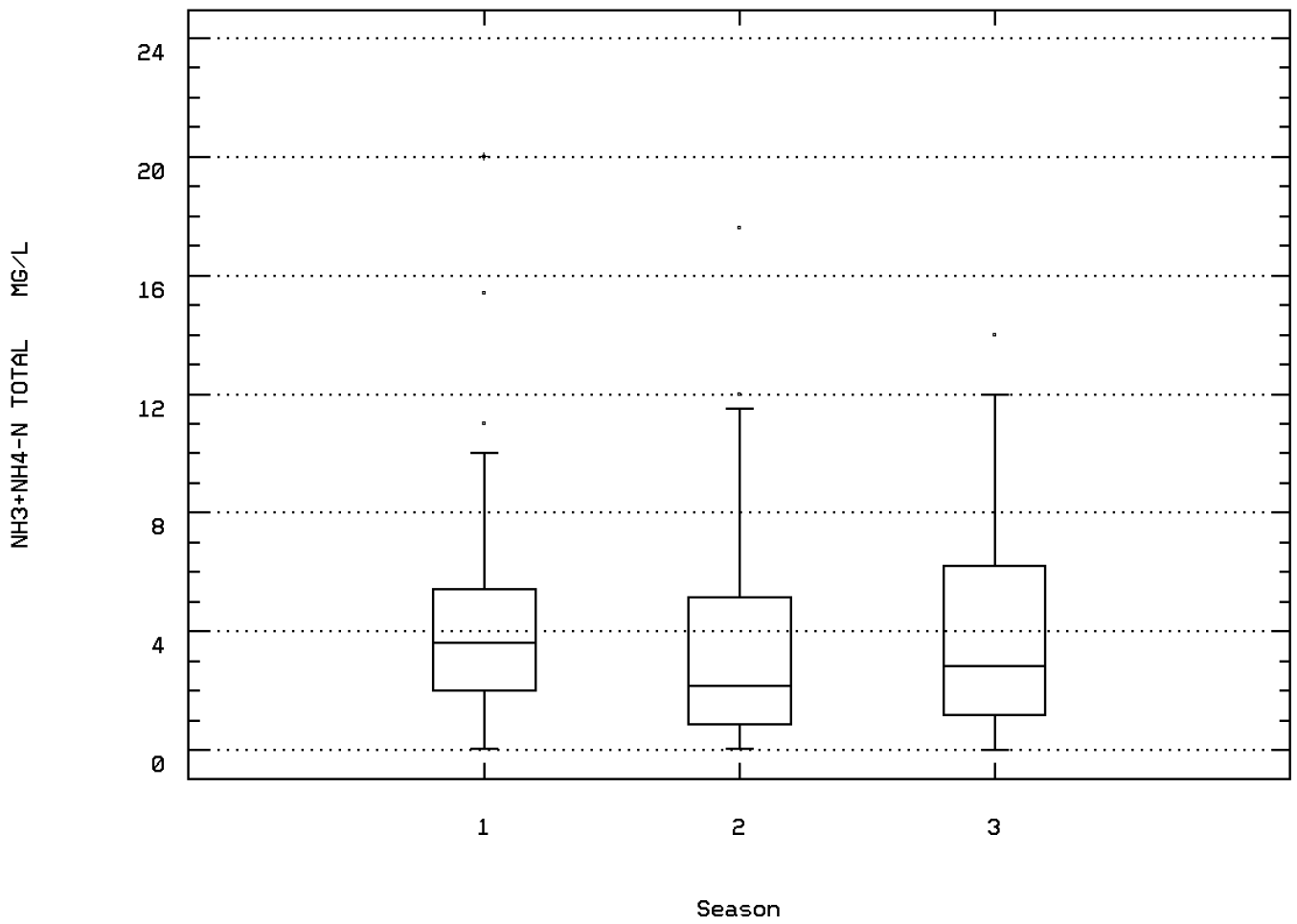
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00610

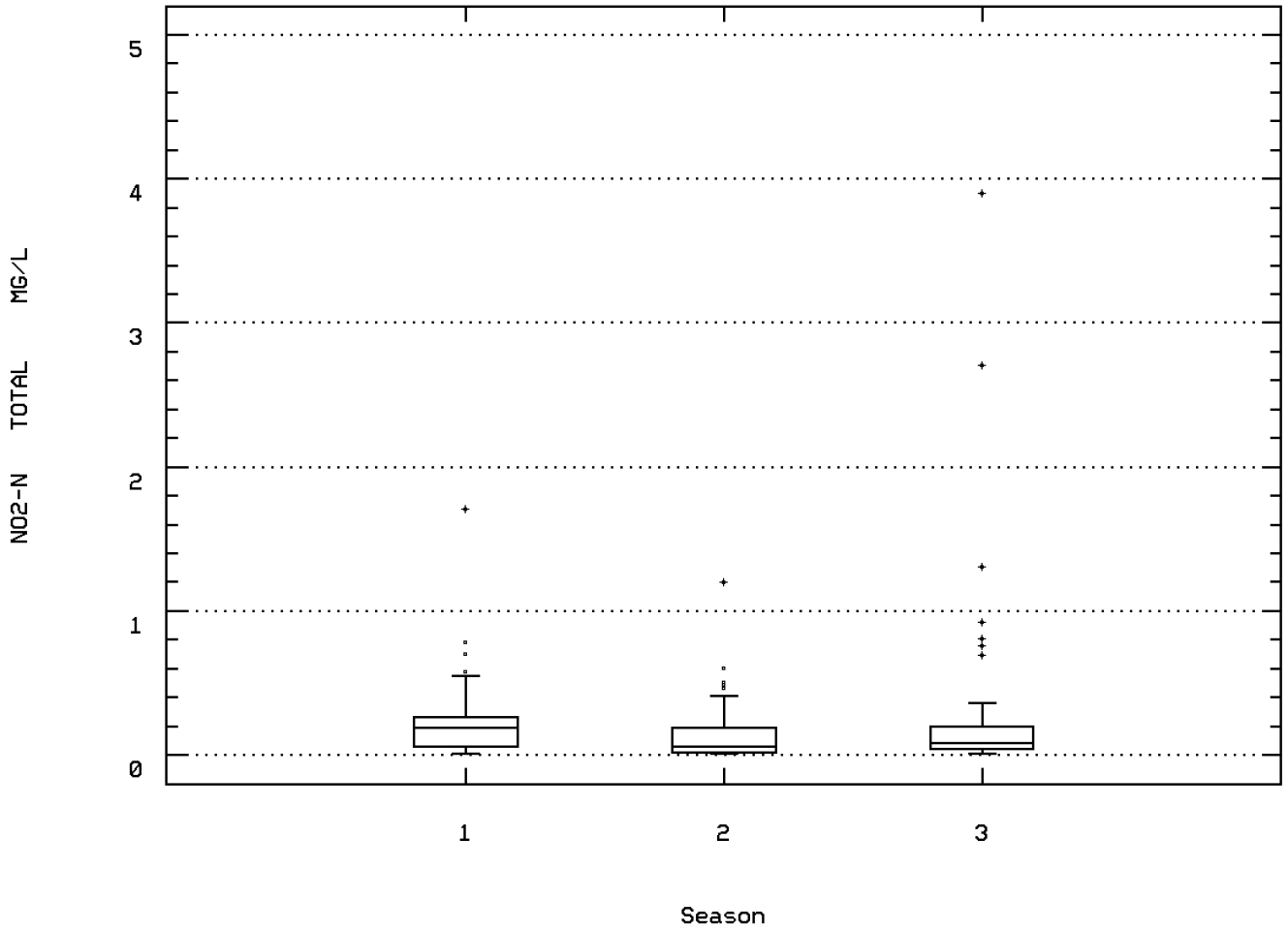
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00615

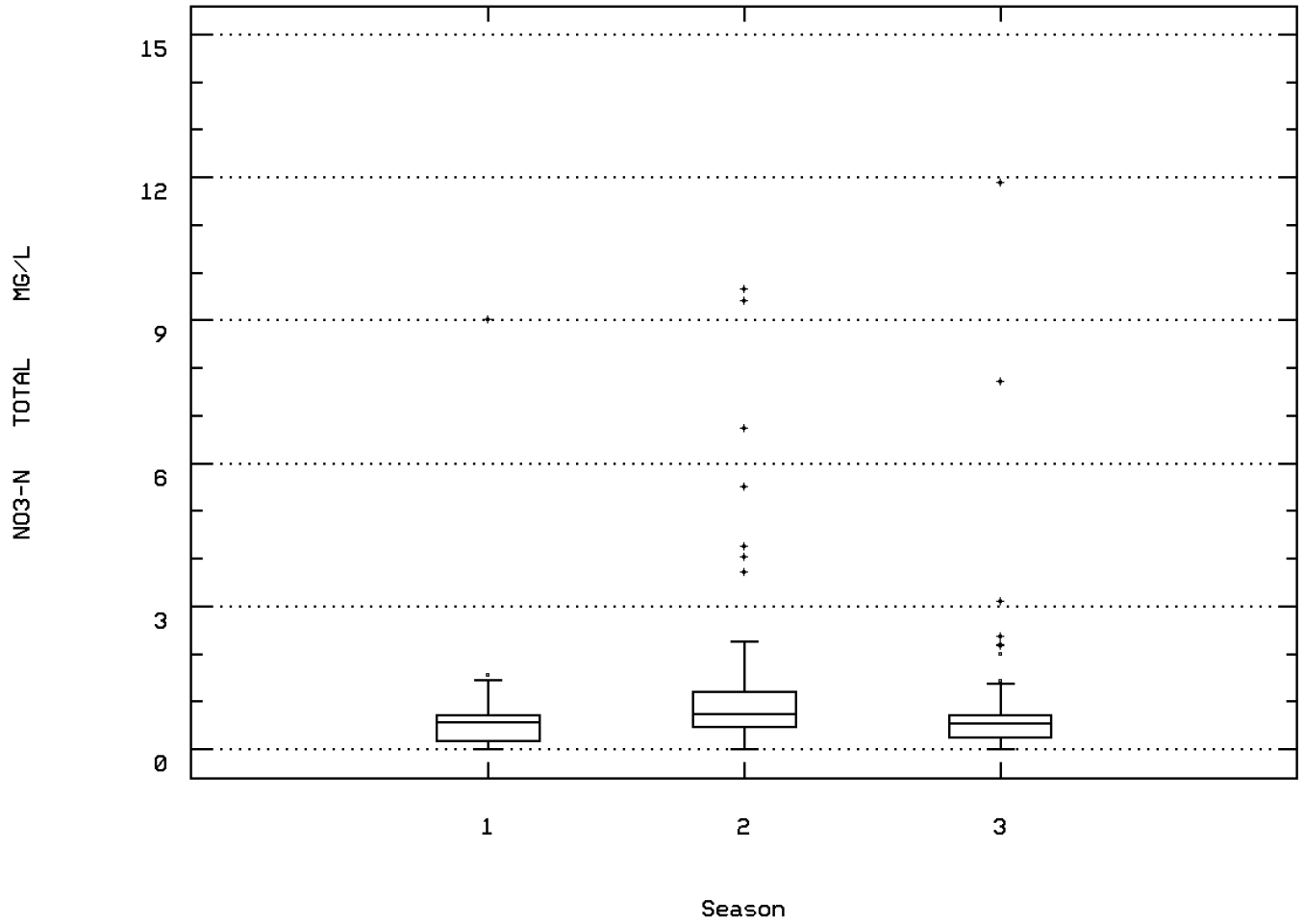
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00620

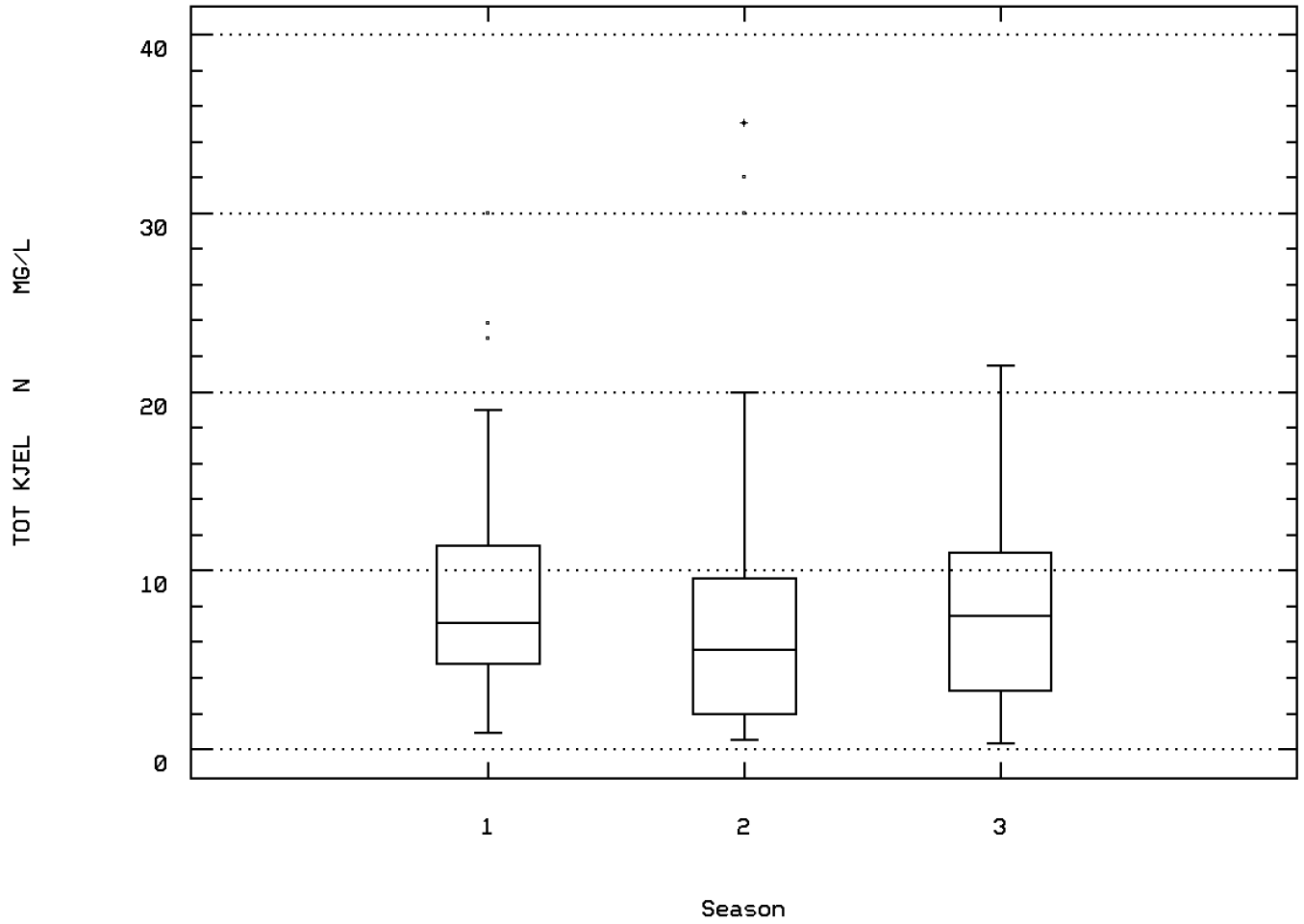
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 00625

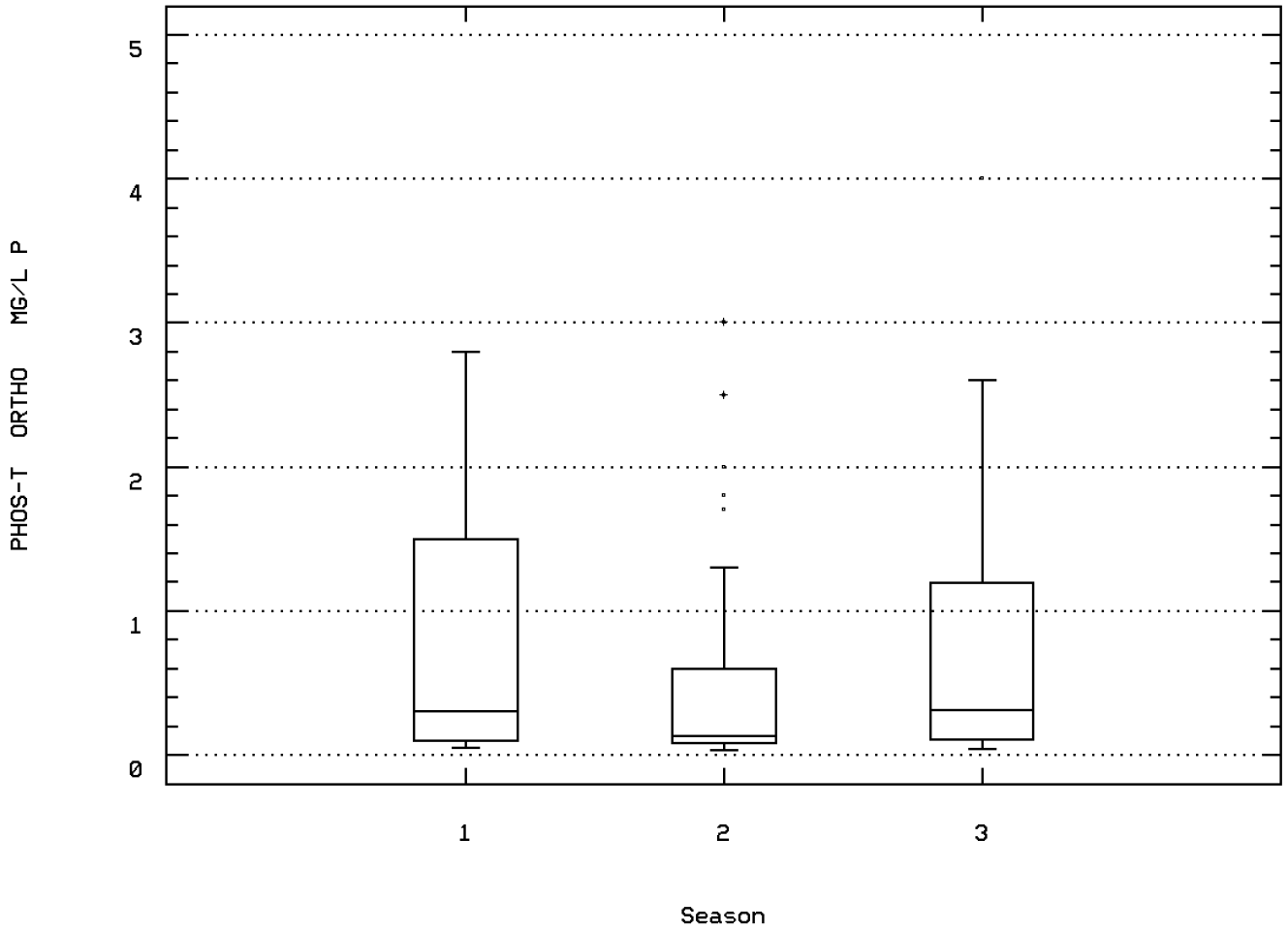
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 10 BRIDGE

Station: PETE0018 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 10 BRIDGE

Station Inventory for Station: PETE0019

NPS Station ID: PETE0019
LAT/LON: 37.297503/ -77.259170
Agency: 1113VABD
Date Created: / /
Location: BRIDGE NEAR CONTINENTAL CAN CO.
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GRA 001 /GRAVELLY R 1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: JAMES RIVER
Elevation: 0
Water Body Id:
Minor Basin: GRAVELLY RUN UNDERNEATH
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 7.020
Distance from RF1: 1.00
On/Off RF1: OFF
RF3 Index: 02080206005204.35
RF3 Mile Point: 4.74
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0019

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: PETE0020

NPS Station ID: PETE0020 LAT/LON: 37.309726/ -77.261392 Agency: 21VASWCB Date Created: / /
Location: BUOY 112 FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS076.81 /VA2-02-X0128/VA2-4X0128
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206043 RF1 Mile Point: 8.390 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02080206016800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.16 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/05/74	7	25.6	25.329	27.8	22.8	3.552	1.885	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/26/74-08/05/74	7	6.4	6.586	8.4	5.	1.095	1.046	**	**	**	**
00400	PH (STANDARD UNITS)	05/26/74-08/05/74	7	7.	7.171	7.5	7.	0.049	0.221	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/05/74	7	7.	7.128	7.5	7.	0.051	0.226	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/05/74	7	0.1	0.075	0.1	0.032	0.001	0.032	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/26/74-05/26/74	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-05/26/74	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-05/26/74	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-05/26/74	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/26/74-06/07/74	2	131.5	131.5	151.	112.	760.5	27.577	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-06/07/74	2	52.5	52.5	67.	38.	420.5	20.506	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-06/07/74	2	79.	79.	113.	45.	2312.	48.083	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/26/74	6	18.	18.333	32.	7.	77.867	8.824	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/26/74	6	3.5	4.167	10.	1.	10.967	3.312	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/26/74	6	14.5	14.167	22.	5.	48.567	6.969	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-07/26/74	6	0.25	0.283	0.7	0.1	0.05	0.223	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-07/26/74	6	0.02	0.031	0.08	0.005	0.001	0.029	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-07/26/74	6	0.255	0.283	0.44	0.1	0.018	0.134	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-07/26/74	6	0.4	0.517	1.099	0.3	0.085	0.292	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/26/74	6	8.	9.	13.	7.	6.	2.449	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/26/74-05/26/74	1 ##	320.	320.	320.	320.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/26/74-05/26/74	1 ##	2.505	2.505	2.505	2.505	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			320.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-08/05/74	7 ##	50.	57.143	100.	50.	357.143	18.898	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-08/05/74	7 ##	1.699	1.742	2.	1.699	0.013	0.114	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			55.204								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/26/74-07/26/74	6 ##	0.05	0.067	0.1	0.05	0.001	0.026	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-07/26/74	6 ##	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: PETE0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	3	0	0.00				4	0	0.00			
00400	PH	Other-Hi Lim.	9.	7	0	0.00	3	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	3	0	0.00				4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	2	0	0.00				4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	2	0	0.00				4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	2	0	0.00				4	0	0.00			
		Drinking Water	250.	6	0	0.00	2	0	0.00				4	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.	7	0	0.00	3	0	0.00				4	0	0.00			

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

Station Inventory for Station: PETE0021

NPS Station ID: PETE0021
LAT/LON: 37.307781/ -77.261392
Agency: 11NORCOR
Date Created: 06/09/79
Location: CONTINENTAL CAN
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR186
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 7.020
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 020802060041O1.70
RF3 Mile Point: 1.75
Distance from RF3: 0.71
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0021

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)	05/13/77-05/13/77	1	2.99	2.99	2.99	2.99	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	19.15	19.15	19.15	19.15	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	130.	130.	130.	130.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0022

NPS Station ID: PETE0022 LAT/LON: 37.309448/ -77.262782 Agency: 21VASWCB Date Created: / /
Location: BUOY 114 FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS076.92 /VA2-02-X0129/VA2-4X0129
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206043 RF1 Mile Point: 8.390 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02080206015500.00 RF3 Mile Point: 0.12 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	33	23.	22.012	30.	5.6	46.908	6.849	11.	17.6	28.	29.
00068	DEPTH, MAXIMUM, OF SAMPLE (FEET)	09/08/81-09/08/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/28/75-07/16/80	2	13.05	13.05	19.	7.1	70.805	8.415	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/18/82-06/28/83	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-06/28/83	13	191.	218.154	412.	130.	6992.308	83.62	139.2	157.5	279.	376.4
00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	34	7.8	7.803	12.5	4.5	3.053	1.747	5.55	6.475	9.125	10.2
00310	BOD, 5 DAY, 20 DEG C MG/L	07/28/75-06/28/83	14	3.5	3.429	5.	2.	1.341	1.158	2.	2.	4.25	5.
00340	COD, .25N K2CR2O7 MG/L	05/19/80-06/28/83	13	17.	17.	25.	8.	37.333	6.11	8.	11.5	23.5	24.6
00400	PH (STANDARD UNITS)	05/01/75-06/28/83	34	7.5	7.553	8.7	6.7	0.201	0.448	7.	7.3	7.725	8.25
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-06/28/83	34	7.5	7.373	8.7	6.7	0.234	0.484	7.	7.3	7.725	8.25
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-06/28/83	34	0.032	0.042	0.2	0.002	0.002	0.04	0.007	0.019	0.05	0.1
00480	SALINITY - PARTS PER THOUSAND	11/18/82-06/28/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/19/80-06/28/83	13	135.	164.692	309.	106.	3918.064	62.594	108.8	117.	212.5	285.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/19/80-06/28/83	13	26.	37.077	132.	20.	892.077	29.868	20.4	22.5	42.	97.6
00510	RESIDUE, TOTAL FIXED (MG/L)	05/19/80-06/28/83	13	109.	127.615	228.	82.	1934.923	43.988	83.6	95.	167.	207.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/81-07/27/81	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	32	21.	22.031	41.	11.	60.741	7.794	12.	16.25	28.5	34.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	32	6.	6.031	24.	0.	17.128	4.139	2.	3.25	8.	9.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	32	16.5	16.	32.	6.	46.71	6.834	8.	10.	20.	24.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	34	0.2	0.324	3.5	0.05	0.341	0.584	0.075	0.1	0.3	0.55
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	34	0.02	0.039	0.14	0.005	0.002	0.039	0.005	0.01	0.053	0.115
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	34	0.305	0.354	1.27	0.09	0.049	0.222	0.17	0.21	0.433	0.64
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	34	0.55	0.735	4.899	0.2	0.657	0.811	0.2	0.4	0.8	0.95
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-06/28/83	13	0.1	0.108	0.2	0.05	0.002	0.045	0.05	0.1	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/19/80-06/28/83	13	0.07	0.065	0.1	0.03	0.	0.022	0.03	0.045	0.08	0.096
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-06/28/83	12	6.5	7.	13.	2.	9.636	3.104	2.6	5.	9.75	12.1
00940	CHLORIDE,TOTAL IN WATER MG/L	05/01/75-04/24/79	20	10.	12.15	29.	2.	51.503	7.177	6.	7.25	14.75	28.1
01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-10/28/82	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-10/28/82	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-10/28/82	6 ##	3.	2.833	5.	0.5	5.667	2.38	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-10/28/82	7 ##	5.	8.571	20.	5.	30.952	5.563	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-10/28/82	7	3.	3.286	8.	1.	6.905	2.628	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-05/22/78	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	11/16/81-10/28/82	4 ##	15.	21.25	50.	5.	406.25	20.156	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-10/28/82	7	10.	22.143	90.	5.	940.476	30.667	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	32 ##	50.	175.	2300.	50.	161774.194	402.212	50.	50.	100.	370.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	32 ##	1.699	1.948	3.362	1.699	0.15	0.388	1.699	1.699	2.	2.565
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			88.635								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/01/75-05/01/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/01/75-04/24/79	21 ##	0.05	0.071	0.2	0.05	0.001	0.037	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/01/75-04/24/79	21	0.05	0.045	0.13	0.005	0.001	0.029	0.01	0.02	0.05	0.092
71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-10/28/82	7 ##	0.15	0.193	0.25	0.15	0.003	0.053	**	**	**	**

** - 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: PETE0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-3/09---------- Obs	Exceed	Prop.	----------3/10-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	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.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
00400	PH	Other-Hi Lim.	9.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	20	0	0.00	7	0	0.00	2	0	0.00	11	0	0.00			
		Drinking Water	250.	20	0	0.00	7	0	0.00	2	0	0.00	11	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00			
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.	6	0	0.00				2	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14				2	1	0.50	5	0	0.00			
		Drinking Water	1300.	7	0	0.00				2	0	0.00	5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	15.	7	0	0.00				2	0	0.00	5	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.	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.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	5000.	7	0	0.00				2	0	0.00	5	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	32	6	0.19	12	2	0.17	5	1	0.20	15	3	0.20			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00				1	0	0.00	1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00				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	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	2.	7	0	0.00				2	0	0.00	5	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	12	28.	27.242	30.	21.7	5.048	2.247	22.69	26.025	28.825	29.7
00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	12	6.6	6.8	9.1	4.5	2.091	1.446	4.65	5.875	8.15	9.04
00400	PH (STANDARD UNITS)	05/01/75-06/28/83	12	7.5	7.65	8.7	6.9	0.277	0.527	6.99	7.35	7.825	8.67
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-06/28/83	12	7.5	7.443	8.7	6.9	0.324	0.569	6.99	7.35	7.825	8.67
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-06/28/83	12	0.032	0.036	0.126	0.002	0.001	0.033	0.002	0.016	0.045	0.107
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	10	27.5	26.5	41.	13.	86.056	9.277	13.5	18.	34.5	40.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	10	6.	7.6	24.	3.	36.711	6.059	3.1	4.	8.25	22.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	10	17.	18.9	32.	9.	67.433	8.212	9.3	12.	25.75	31.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	12	0.1	0.225	0.7	0.05	0.049	0.221	0.05	0.1	0.35	0.67
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	12	0.04	0.054	0.14	0.005	0.002	0.043	0.005	0.02	0.093	0.131
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	12	0.325	0.343	0.56	0.2	0.015	0.121	0.203	0.213	0.438	0.539
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	12	0.6	0.675	2.1	0.2	0.268	0.517	0.2	0.325	0.8	1.77
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	12 ##	50.	112.5	500.	50.	16875.	129.904	50.	50.	100.	410.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	12 ##	1.699	1.908	2.699	1.699	0.101	0.318	1.699	1.699	2.	2.58
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			80.86								

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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	6	11.	11.517	19.	5.6	20.362	4.512	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	6	9.9	9.567	12.5	6.5	4.035	2.009	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/75-06/28/83	6	7.4	7.383	8.	6.7	0.19	0.436	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-06/28/83	6	7.389	7.199	8.	6.7	0.23	0.48	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-06/28/83	6	0.041	0.063	0.2	0.01	0.005	0.069	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	6	20.	22.167	34.	14.	63.767	7.985	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	6	8.	6.833	10.	2.	9.767	3.125	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	6	17.	15.333	24.	6.	50.267	7.09	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	6	0.25	0.292	0.5	0.2	0.014	0.12	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	6	0.035	0.049	0.13	0.005	0.002	0.049	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	6	0.595	0.635	1.27	0.29	0.132	0.363	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	6	0.65	0.683	0.9	0.5	0.022	0.147	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	5 ##	50.	130.	400.	50.	23250.	152.48	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	5 ##	1.699	1.94	2.602	1.699	0.154	0.392	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			87.055								

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	15	22.	22.027	29.4	12.2	25.329	5.033	13.88	18.	26.	28.86
00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	16	8.05	7.894	10.2	5.3	1.781	1.334	6.07	6.8	9.025	9.64
00400	PH (STANDARD UNITS)	05/01/75-06/28/83	16	7.5	7.544	8.5	7.	0.156	0.395	7.	7.3	7.775	8.15
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-06/28/83	16	7.5	7.406	8.5	7.	0.176	0.42	7.	7.3	7.775	8.15
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-06/28/83	16	0.032	0.039	0.1	0.003	0.001	0.03	0.008	0.017	0.05	0.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	16	20.5	19.188	29.	11.	30.696	5.54	11.7	13.	22.	27.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	16	4.	4.75	8.	0.	6.467	2.543	1.4	3.	7.	8.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	16	16.	14.438	22.	6.	30.929	5.561	7.4	9.25	19.75	21.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	16	0.2	0.409	3.5	0.05	0.693	0.832	0.085	0.1	0.3	1.4
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	16	0.02	0.024	0.12	0.005	0.001	0.027	0.005	0.01	0.03	0.057
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	16	0.225	0.257	0.49	0.09	0.012	0.11	0.132	0.17	0.338	0.441
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	16	0.5	0.8	4.899	0.2	1.234	1.111	0.2	0.4	0.775	2.1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	15 ##	50.	240.	2300.	50.	329714.286	574.208	50.	50.	100.	1100.

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0022

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	05/01/75-06/28/83	15 ##	1.699	1.982	3.362	1.699	0.207	0.455	1.699	1.699	2.	2.831
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			95.964								

** - Less than 9 observations ## - Computed 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: PETE0023

NPS Station ID: PETE0023
LAT/LON: 37.282503/ -77.265281
Agency: 11NORCOR
Date Created: 06/09/79
Location: BAILEY CREEK
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR189
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 7.380
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 020802060004105.17
RF3 Mile Point: 5.17
Distance from RF3: 0.04
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0023

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)	05/13/77-05/13/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	19.2	19.2	19.2	19.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	420.	420.	420.	420.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0024

NPS Station ID: PETE0024
LAT/LON: 37.334171/ -77.266948
Agency: CHESBAY
Date Created: 01/29/83
Location: VIMS STATION J68 - JAMES RIVER
FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XPA0040
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206063
RF1 Mile Point: 0.850
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206003509.94
RF3 Mile Point: 10.33
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0024

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: PETE0025

NPS Station ID: PETE0025
LAT/LON: 37.333892/ -77.267226
Agency: CHESBAY
Date Created: 01/29/83
Location: VIMS STATION C54 - JAMES RIVER
FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XPA9636
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206063
RF1 Mile Point: 0.740
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206004103.91
RF3 Mile Point: 5.95
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0025

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: PETE0026

NPS Station ID: PETE0026 LAT/LON: 37.363059/ -77.267781 Agency: 21VASWCB Date Created: 10/16/93
Location: JAMES RIVER AVOBE GRAVELLY RUN (HPA 1) FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS084.63
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2- JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/25/92-06/25/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	06/25/92-06/25/92	3 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/25/92-06/25/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/25/92-06/25/92	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/25/92-06/25/92	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/25/92-06/25/92	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/25/92-06/25/92	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	06/25/92-06/25/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	06/25/92-06/25/92	3 ##	1.	4.5	11.5	1.	36.75	6.062	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/25/92-06/25/92	1	94.	94.	94.	94.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/25/92-06/25/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	06/25/92-06/25/92	3	0.45	0.433	0.57	0.28	0.021	0.146	**	**	**	**
34252	BERYLLIUM WET WGTTISMG/KG	06/25/92-06/25/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34258	B-BHC-BETA WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34664	PCB - 1221 WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34667	PCB - 1232 WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34674	PCB - 1016 WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	06/25/92-06/25/92	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
38744	CHLORPYRIFOS-METHYL TISWETWGTMG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/25/92-06/25/92	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	06/25/92-06/25/92	2	2.1	2.1	2.6	1.6	0.5	0.707	**	**	**	**
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/25/92-06/25/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/25/92-06/25/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/25/92-06/25/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/25/92-06/25/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	06/25/92-06/25/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/25/92-06/25/92	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
45651	PCB - 1262, TISSUE, WET WEIGHT MG/KG	06/25/92-06/25/92	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/25/92-06/25/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/25/92-06/25/92	3 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/25/92-06/25/92	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/25/92-06/25/92	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/25/92-06/25/92	3	8.	12.333	22.	7.	70.333	8.386	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	06/25/92-06/25/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/25/92-06/25/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/25/92-06/25/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/25/92-06/25/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/25/92-06/25/92	3	6.	5.667	6.	5.	0.333	0.577	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	06/25/92-06/25/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	06/25/92-06/25/92	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	06/25/92-06/25/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	06/25/92-06/25/92	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

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

Station Inventory for Station: PETE0027

NPS Station ID: PETE0027 LAT/LON: 37.338309/ -77.268253 Agency: 21VASWCB Date Created: / /
Location: BUOY 126 FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS078.99 /VA2-02AX0133/VA2-4X0133
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206063 RF1 Mile Point: 1.140 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206004103.91 RF3 Mile Point: 5.31 Distance from RF3: 0.34 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/15/96	61	26.1	24.897	32.4	10.	19.859	4.456	18.32	21.85	28.3	29.36
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/06/71-07/23/71	4	16.5	16.75	24.	10.	40.917	6.397	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-08/15/96	19	204.	225.579	324.	139.	3485.368	59.037	155.	173.	276.	316.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/95-07/31/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/94-08/15/96	23	6.9	7.148	10.	5.4	1.641	1.281	5.44	6.1	7.9	9.32
00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	40	6.8	7.15	15.	4.8	3.132	1.77	5.02	6.05	8.	8.6
00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-05/26/74	10	2.05	2.15	5.1	0.8	1.343	1.159	0.82	1.6	2.25	4.83
00400	PH (STANDARD UNITS)	07/22/68-08/15/96	63	7.21	7.272	8.7	6.27	0.21	0.459	6.8	7.	7.5	7.964
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-08/15/96	63	7.21	7.065	8.7	6.27	0.254	0.504	6.8	7.	7.5	7.964
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-08/15/96	63	0.062	0.086	0.537	0.002	0.01	0.101	0.011	0.032	0.1	0.158
00403	PH, LAB, STANDARD UNITS SU	03/20/69-05/26/74	6	7.	6.95	7.3	6.4	0.091	0.302	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/20/69-05/26/74	6	7.	6.847	7.3	6.4	0.104	0.322	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/69-05/26/74	6	0.1	0.142	0.398	0.05	0.016	0.128	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/69-05/26/74	6	33.5	33.5	43.	21.	59.1	7.688	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/20/69-06/07/74	7	151.	128.571	171.	25.	2719.619	52.15	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/20/69-06/07/74	7	56.	54.143	82.	27.	409.143	20.227	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/20/69-06/07/74	7	95.	78.286	123.	10.	1997.905	44.698	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-08/30/74	20	25.5	23.9	41.	7.	96.095	9.803	7.3	15.75	31.5	36.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-08/30/74	20	5.5	7.35	27.	2.	38.871	6.235	2.	3.25	9.	19.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-08/30/74	20	17.	16.55	30.	4.	70.682	8.407	5.	8.25	24.5	27.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-08/30/74	36	0.2	0.228	0.49	0.01	0.014	0.12	0.097	0.153	0.3	0.422
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-08/30/74	35	0.02	0.095	1.019	0.005	0.038	0.195	0.005	0.01	0.11	0.214
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-08/30/74	35	0.41	0.448	1.039	0.01	0.063	0.25	0.108	0.28	0.58	0.86
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-08/30/74	36	0.6	0.698	3.199	0.2	0.256	0.506	0.37	0.5	0.775	1.12
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-10/02/69	3	0.19	0.143	0.21	0.03	0.01	0.099	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-08/30/74	17	8.	7.824	14.	3.	11.154	3.34	3.8	5.	10.5	13.2
01002	ARSENIC, TOTAL (UG/L AS AS)	06/13/71-05/02/72	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/72-08/20/72	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/21/70-05/03/73	8 ##	5.	6.25	10.	5.	5.357	2.315	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/21/70-05/03/73	8 ##	5.	8.75	30.	5.	76.786	8.763	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/13/71-10/04/72	6 ##	5.	8.333	20.	5.	36.667	6.055	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/21/70-04/21/70	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	04/21/70-05/03/73	8 ##	7.5	13.75	50.	5.	241.071	15.526	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-08/26/70	12	3350.	5329.583	23000.	15.	42706883.902	6535.05	73.5	1072.5	8125.	19400.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/68-08/26/70	12	3.507	3.306	4.362	1.176	0.736	0.858	1.52	3.02	3.892	4.266
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2024.535								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/94-08/15/96	24	170.	1024.833	16000.	9.	10441036.319	3231.259	13.5	26.25	487.5	1750.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/94-08/15/96	24	2.23	2.209	4.204	0.954	0.664	0.815	1.105	1.389	2.688	3.243
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			161.904								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/06/71-08/30/74	28	100.	616.071	6500.	50.	1964083.995	1401.458	50.	50.	525.	1840.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/06/71-08/30/74	28	2.	2.229	3.813	1.699	0.385	0.621	1.699	1.699	2.703	3.244
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			169.303								
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/13/71-06/13/71	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/13/71-07/05/71	2 ##	0.023	0.023	0.03	0.015	0.	0.011	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/21/70-08/30/74	33 ##	0.05	0.076	0.2	0.05	0.002	0.04	0.05	0.05	0.1	0.106
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/21/70-08/30/74	33	0.05	0.043	0.1	0.01	0.	0.019	0.02	0.03	0.05	0.07
71900	MERCURY, TOTAL (UG/L AS HG)	06/13/71-05/03/73	7 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-3/09---------- Obs	Exceed	Prop.	----------3/10-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	0	0.00	14	0	0.00	2	0	0.00	7	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	40	0	0.00	24	0	0.00	1	0	0.00	15	0	0.00			
00400	PH	Other-Hi Lim.	9.	63	0	0.00	38	0	0.00	3	0	0.00	22	0	0.00			
		Other-Lo Lim.	6.5	63	3	0.05	38	2	0.05	3	0	0.00	22	1	0.05			
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00	1	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	6	1	0.17	1	0	0.00				5	1	0.20			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	35	1	0.03	19	1	0.05	1	0	0.00	15	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	35	0	0.00	19	0	0.00	1	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	17	0	0.00	10	0	0.00				7	0	0.00			
		Drinking Water	250.	17	0	0.00	10	0	0.00				7	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00							2	0	0.00			
		Drinking Water	50.	2	0	0.00							2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	4	0	0.00				4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	1	0.13	4	0	0.00				4	1	0.25			
		Drinking Water	1300.	8	0	0.00	4	0	0.00				4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	4	0	0.00				2	0	0.00			
		Drinking Water	15.	6	1	0.17	4	1	0.25				2	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.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	5000.	8	0	0.00	4	0	0.00				4	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	12	9	0.75	7	5	0.71				5	4	0.80			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	24	11	0.46	15	6	0.40	2	1	0.50	7	4	0.57			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	28	12	0.43	17	7	0.41	1	1	1.00	10	4	0.40			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	2.	7	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 10/15 - Station PETE0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/15/96	36	27.9	27.197	32.4	21.1	7.737	2.782	22.29	25.65	28.975	30.
00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	24	6.9	7.229	15.	4.8	4.144	2.036	4.9	6.05	7.95	8.8
00400p	PH (STANDARD UNITS)	07/22/68-08/15/96	38	7.29	7.347	8.7	6.27	0.255	0.505	6.8	7.045	7.5	8.03
00400p	CONVERTED PH (STANDARD UNITS)	07/22/68-08/15/96	38	7.29	7.101	8.7	6.27	0.317	0.563	6.8	7.045	7.5	8.03
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-08/15/96	38	0.051	0.079	0.537	0.002	0.011	0.103	0.01	0.032	0.09	0.158

** - 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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0027

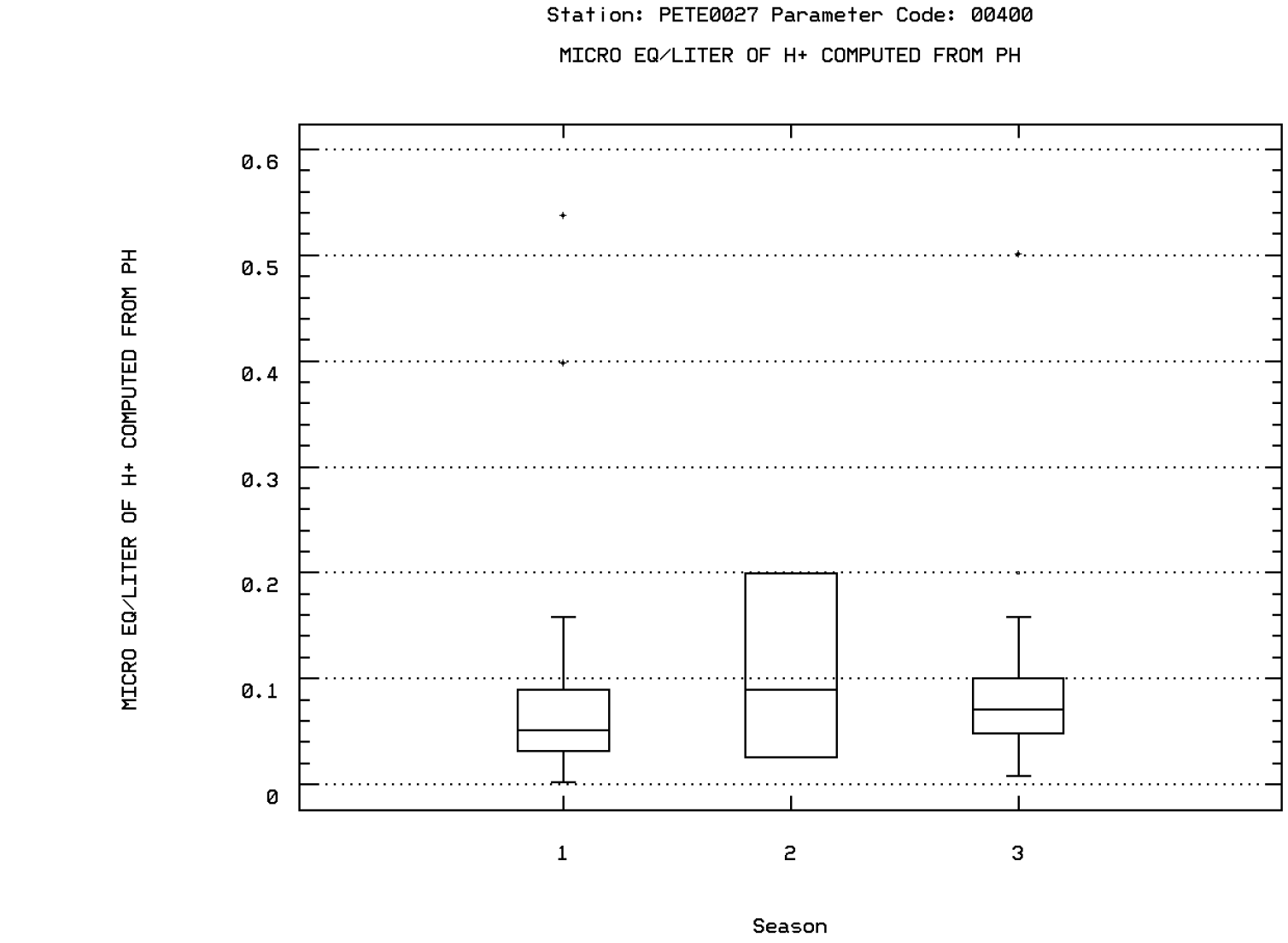
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/15/96	3	18.8	17.933	18.9	16.1	2.523	1.589	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/68-08/15/96	3	7.05	7.113	7.59	6.7	0.201	0.448	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/22/68-08/15/96	3	7.05	6.98	7.59	6.7	0.228	0.477	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-08/15/96	3	0.089	0.105	0.2	0.026	0.008	0.088	**	**	**	**

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/15/96	22	22.7	22.082	27.8	10.	19.303	4.393	16.7	19.1	25.725	27.2
00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	15	6.6	6.953	10.	5.	1.787	1.337	5.12	6.	8.	9.16
00400p	PH (STANDARD UNITS)	07/22/68-08/15/96	22	7.15	7.164	8.09	6.3	0.126	0.355	6.73	7.	7.35	7.5
00400p	CONVERTED PH (STANDARD UNITS)	07/22/68-08/15/96	22	7.147	7.021	8.09	6.3	0.148	0.384	6.73	7.	7.35	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-08/15/96	22	0.071	0.095	0.501	0.008	0.01	0.101	0.032	0.045	0.1	0.187

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


Station: PETE0027 Parameter Code: 00400
MICRO EQ/LITER OF H+ COMPUTED FROM PH
MICRO EQ/LITER OF H+ COMPUTED FROM PH
0.6
0.5
0.4
0.3
0.2
0.1
0
1
2
3
Season

BUOY 126

Station Inventory for Station: PETE0028

NPS Station ID: PETE0028 LAT/LON: 37.333059/ -77.269448 Agency: 21VASWCB Date Created: / /
Location: BUOY 124 FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS078.62 /VA2-02AX0132/VA2-4X0132
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206063 RF1 Mile Point: 0.740 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206003508.08 RF3 Mile Point: 8.46 Distance from RF3: 0.23 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	33	22.2	21.382	29.5	5.6	49.685	7.049	10.	16.4	27.9	29.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/28/75-07/16/80	2	10.2	10.2	15.	5.4	46.08	6.788	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/18/82-06/28/83	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-06/28/83	13	208.	217.769	362.	130.	5237.359	72.37	139.6	161.5	261.	354.4
00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	34	7.75	7.676	12.6	4.7	2.804	1.675	5.5	6.55	8.65	9.55
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/75-06/28/83	31	2.	2.29	4.	1.	0.813	0.902	1.	2.	3.	3.8
00340	COD, .25N K2CR2O7 MG/L	06/04/75-06/28/83	14	15.	15.357	29.	7.	43.94	6.629	7.5	9.75	19.25	26.5
00400	PH (STANDARD UNITS)	05/01/75-06/28/83	34	7.5	7.541	8.8	6.9	0.156	0.396	7.05	7.3	7.725	8.
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-06/28/83	34	7.5	7.409	8.8	6.9	0.174	0.418	7.05	7.3	7.725	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-06/28/83	34	0.032	0.039	0.126	0.002	0.001	0.029	0.01	0.019	0.05	0.09
00480	SALINITY - PARTS PER THOUSAND	11/18/82-06/28/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/19/80-06/28/83	13	154.	160.077	237.	99.	1850.91	43.022	102.6	128.5	192.5	232.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/19/80-06/28/83	13	34.	32.308	49.	17.	65.397	8.087	19.4	26.5	37.	44.6
00510	RESIDUE, TOTAL FIXED (MG/L)	05/19/80-06/28/83	13	120.	127.769	200.	72.	1398.359	37.395	77.2	100.5	158.	190.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/81-07/27/81	1	131.	131.	131.	131.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	32	18.	20.625	54.	1.	131.79	11.48	10.	12.	26.75	38.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	32	4.	4.906	12.	0.	11.701	3.421	0.	2.25	7.75	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	32	15.	15.734	44.	0.5	99.451	9.973	4.6	8.	22.25	27.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	34	0.15	0.165	0.3	0.05	0.01	0.098	0.05	0.088	0.3	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	34	0.02	0.028	0.11	0.005	0.001	0.025	0.005	0.01	0.04	0.065
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	34	0.335	0.357	1.1	0.07	0.039	0.197	0.16	0.2	0.418	0.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	34	0.5	0.484	0.9	0.1	0.04	0.201	0.2	0.3	0.6	0.75
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-06/28/83	13	0.1	0.112	0.2	0.05	0.003	0.055	0.05	0.075	0.15	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/19/80-06/28/83	13	0.07	0.082	0.15	0.04	0.001	0.037	0.04	0.055	0.105	0.15
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/01/75-06/28/83	32	7.	6.813	10.	2.	3.706	1.925	4.	6.	8.	9.7
00940	CHLORIDE,TOTAL IN WATER MG/L	05/01/75-04/24/79	21	10.	10.619	20.	5.	22.248	4.717	6.	6.	14.5	19.4
01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-10/28/82	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-10/28/82	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-10/28/82	7 ##	5.	3.143	5.	0.5	5.393	2.322	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-10/28/82	6 ##	5.	7.667	20.	1.	44.667	6.683	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-10/28/82	7 ##	1.	3.214	7.	0.5	8.655	2.942	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-05/22/78	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/16/81-10/28/82	4 ##	20.	23.75	50.	5.	422.917	20.565	**	**	**	**

** - Less than 9 observations ## - 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: PETE0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-10/28/82	7 ##	5.	14.286	60.	5.	411.905	20.295	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	33 ##	50.	251.515	2900.	50.	396013.258	629.296	50.	50.	100.	420.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	33 ##	1.699	1.963	3.462	1.699	0.214	0.463	1.699	1.699	2.	2.61
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			91.816								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/01/75-05/01/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/01/75-04/24/79	21 ##	0.05	0.067	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/01/75-04/24/79	21	0.05	0.048	0.11	0.01	0.001	0.024	0.012	0.025	0.06	0.08
71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-10/28/82	7 ##	0.15	0.193	0.25	0.15	0.003	0.053	**	**	**	**

** - 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: PETE0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 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.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
00400	PH	Other-Hi Lim.	9.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	21	0	0.00	8	0	0.00	2	0	0.00	11	0	0.00			
		Drinking Water	250.	21	0	0.00	8	0	0.00	2	0	0.00	11	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00			
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.	7	0	0.00				2	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6	1	0.17				2	1	0.50	4	0	0.00			
		Drinking Water	1300.	6	0	0.00				2	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	15.	7	0	0.00				2	0	0.00	5	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.	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.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	5000.	7	0	0.00				2	0	0.00	5	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	33	6	0.18	12	2	0.17	5	2	0.40	16	2	0.13			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00				1	0	0.00	1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00				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	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	2.	7	0	0.00				2	0	0.00	5	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	12	27.9	25.633	29.5	8.5	35.908	5.992	11.95	26.	29.	29.47
00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	12	6.9	6.758	8.6	4.7	1.444	1.202	4.94	5.625	7.675	8.57
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/75-06/28/83	11	3.	2.636	4.	1.	1.055	1.027	1.	2.	3.	4.
00400	PH (STANDARD UNITS)	05/01/75-06/28/83	12	7.5	7.683	8.8	7.2	0.231	0.48	7.26	7.4	7.775	8.71
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-06/28/83	12	7.5	7.536	8.8	7.2	0.254	0.504	7.26	7.4	7.775	8.71
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-06/28/83	12	0.032	0.029	0.063	0.002	0.	0.017	0.002	0.017	0.04	0.056
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	10	15.5	20.2	42.	1.	197.289	14.046	1.7	9.5	33.25	41.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	10	4.	4.3	12.	0.	12.678	3.561	0.1	1.75	5.75	11.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	10	12.5	15.95	38.	0.5	135.914	11.658	1.05	6.75	26.5	37.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	12	0.1	0.15	0.3	0.05	0.011	0.104	0.05	0.05	0.275	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	12	0.035	0.041	0.11	0.005	0.001	0.031	0.007	0.013	0.06	0.098
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	12	0.375	0.368	0.6	0.18	0.015	0.122	0.186	0.288	0.41	0.582
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	12	0.45	0.458	0.8	0.2	0.046	0.215	0.2	0.225	0.6	0.8
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/01/75-06/28/83	12	8.	8.167	10.	5.	2.333	1.528	5.6	7.	9.75	10.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	12 ##	50.	95.833	300.	50.	6117.424	78.214	50.	50.	100.	270.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	12 ##	1.699	1.889	2.477	1.699	0.073	0.271	1.699	1.699	2.	2.424
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			77.49								

** - Less than 9 observations ## - Computed with 50% or more 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: 10/16 to 3/09 - Station PETE0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	6	11.75	11.85	19.	5.6	20.615	4.54	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	6	9.55	9.567	12.6	6.2	4.291	2.071	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/75-06/28/83	5	2.	2.	3.	1.	1.	1.	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/75-06/28/83	6	7.45	7.433	8.	6.9	0.139	0.372	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-06/28/83	6	7.447	7.308	8.	6.9	0.158	0.397	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-06/28/83	6	0.036	0.049	0.126	0.01	0.002	0.041	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	6	22.	27.	54.	14.	230.	15.166	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	6	9.5	8.833	12.	4.	7.367	2.714	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	6	15.	18.167	44.	4.	216.967	14.73	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	6	0.25	0.225	0.3	0.05	0.01	0.099	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	6	0.03	0.034	0.08	0.005	0.001	0.028	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	6	0.535	0.593	1.1	0.33	0.083	0.288	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	6	0.575	0.592	0.7	0.5	0.008	0.092	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/01/75-06/28/83	6	6.	6.	8.	4.	3.6	1.897	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	5	100.	200.	500.	50.	38750.	196.85	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	5	2.	2.115	2.699	1.699	0.208	0.456	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			130.259								

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-06/28/83	15	22.	21.793	28.9	12.2	23.378	4.835	13.88	18.	26.	28.66
00300	OXYGEN, DISSOLVED MG/L	05/01/75-06/28/83	16	8.	7.656	9.2	4.7	1.576	1.255	5.4	6.875	8.6	9.06
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/75-06/28/83	15	2.	2.133	4.	1.	0.552	0.743	1.	2.	2.	3.4
00400	PH (STANDARD UNITS)	05/01/75-06/28/83	16	7.5	7.475	8.	7.	0.103	0.321	7.	7.225	7.775	8.
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-06/28/83	16	7.5	7.371	8.	7.	0.115	0.339	7.	7.225	7.775	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-06/28/83	16	0.032	0.043	0.1	0.01	0.001	0.029	0.01	0.017	0.06	0.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-06/28/83	16	17.	18.5	31.	10.	56.133	7.492	10.	11.25	25.75	30.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-06/28/83	16	3.5	3.813	8.	0.	6.429	2.536	0.	2.25	6.	7.3
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-06/28/83	16	16.5	14.688	27.	4.	48.096	6.935	6.1	8.	19.5	24.9

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-06/28/83	16	0.1	0.153	0.3	0.05	0.008	0.09	0.05	0.1	0.2	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	16	0.01	0.017	0.04	0.005	0.	0.011	0.005	0.01	0.028	0.033
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-06/28/83	16	0.21	0.26	0.5	0.07	0.014	0.12	0.126	0.173	0.353	0.458
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-06/28/83	16	0.45	0.463	0.9	0.1	0.047	0.216	0.17	0.3	0.6	0.76
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/01/75-06/28/83	14	6.	6.	9.	2.	2.769	1.664	3.	5.75	7.	8.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	16 ##	50.	384.375	2900.	50.	790906.25	889.329	50.	50.	100.	2550.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/01/75-06/28/83	16 ##	1.699	1.971	3.462	1.699	0.335	0.579	1.699	1.699	2.	3.405
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			93.477								

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

Station Inventory for Station: PETE0029

NPS Station ID: PETE0029 LAT/LON: 37.320281/ -77.270281 Agency: 21VASWCB Date Created: 12/07/84
Location: CITY POINT (IN JAMES RIVER) FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS077.70
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206041 RF1 Mile Point: 6.810 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206004101.70 RF3 Mile Point: 2.07 Distance from RF3: 0.51 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835108 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/83-10/03/83	3	25.5	24.167	26.	21.	7.583	2.754	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/03/83	6 ##	0.075	0.07	0.075	0.06	0.	0.008	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/83-10/03/83	3	430.	375.	440.	255.	10825.	104.043	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/16/83-10/03/83	3	7.2	7.533	8.4	7.	0.573	0.757	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/83-10/03/83	3	7.8	8.133	9.	7.6	0.573	0.757	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/83-10/03/83	3	7.8	7.854	9.	7.6	0.69	0.831	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/83-10/03/83	3	0.016	0.014	0.025	0.001	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/83-10/03/83	3	66.	64.	71.	55.	67.	8.185	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/16/83-10/03/83	3	232.	209.	235.	160.	1803.	42.462	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/83-10/03/83	3	25.	23.	29.	15.	52.	7.211	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/83-10/03/83	3	4.	6.	11.	3.	19.	4.359	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/16/83-10/03/83	4 ##	0.125	0.175	0.4	0.05	0.028	0.166	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/16/83-10/03/83	3	0.2	0.333	0.6	0.2	0.053	0.231	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/83-10/03/83	3	1.	0.9	1.	0.7	0.03	0.173	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	3	0.6	0.567	0.6	0.5	0.003	0.058	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/16/83-10/03/83	3	0.9	0.967	1.1	0.9	0.013	0.115	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	3	1.2	1.267	1.7	0.9	0.163	0.404	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/83-10/03/83	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	08/16/83-10/12/83	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/83-10/03/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/16/83-10/03/83	3	9.	9.	11.	7.	4.	2.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	3	930.	1153.333	2100.	430.	734633.333	857.108	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	3	2.968	2.975	3.322	2.633	0.119	0.344	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			943.46								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/16/83-10/03/83	3	93.	76.333	93.	43.	833.333	28.868	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/16/83-10/03/83	3	1.968	1.857	1.968	1.633	0.037	0.193	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			71.914								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	4	42.9	41.375	47.7	32.	51.443	7.172	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	4	23.9	23.45	25.7	20.3	6.63	2.575	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/16/83-10/03/83	3	0.1	0.1	0.2	0.	0.01	0.1	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	1	0.33	3	1	0.33									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	3	1	0.33	3	1	0.33									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	3	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	2	0.67	3	2	0.67									

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

Station Inventory for Station: PETE0030

NPS Station ID: PETE0030
LAT/LON: 37.321948/ -77.271477
Agency: 21VASWCB
Date Created: 11/08/80
Location: JAMES RIVER, BUOY 116
FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQA9363 /Y4132000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206042
RF1 Mile Point: 6.904
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206004503.92
RF3 Mile Point: 4.06
Distance from RF3: 0.05
On/Off RF3:
Description:
CHESAPEAKE BAY PROGRAM TISSUE AND SEDIMENT DATA ALL DATA FROM VIRGINIA SWCB DES KEPONE FISH MONITORING PROGRAM, ANALYZED BY DCLS / BIOLOGICAL STUDY 75-010 DES LAB SHEETS 8746,8747 APR-AUG 1975/

Parameter Inventory for Station: PETE0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	02/13/74-02/13/74	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	02/13/74-02/13/74	2	4.95	4.95	5.5	4.4	0.605	0.778	**	**	**	**
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/78-04/07/79	7	100.	108.571	200.	50.	4347.619	65.936	**	**	**	**
39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/78-04/07/79	4	200.	175.	200.	100.	2500.	50.	**	**	**	**
39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/78-04/07/79	15	80.	184.	600.	10.	40797.143	201.983	34.	70.	400.	540.
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	02/13/74-02/13/74	2	611.	611.	954.	268.	235298.	485.075	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	02/13/74-04/07/79	19	1.	1.895	13.	1.	8.544	2.923	1.	1.	1.	6.

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

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

Station Inventory for Station: PETE0031

NPS Station ID: PETE0031 LAT/LON: 37.321948/ -77.271477 Agency: 21VASWCB Date Created: / /
Location: BELOW AMERICAN TOBACCO, BUOY 118 FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS077.84 /VA2-02AX0131/VA2-4X0131
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206042 RF1 Mile Point: 6.904 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206138400.00 RF3 Mile Point: 2.93 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/68-08/30/74	33	26.7	25.391	32.2	11.1	22.094	4.7	17.88	22.8	28.9	30.
00300	OXYGEN, DISSOLVED MG/L	09/08/68-08/30/74	32	6.6	6.6	10.2	4.2	2.077	1.441	4.86	5.2	7.6	8.54
00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-05/26/74	7	2.7	3.157	5.	2.	1.51	1.229	**	**	**	**
00400	PH (STANDARD UNITS)	09/08/68-08/30/74	33	7.3	7.333	8.3	6.7	0.124	0.352	6.9	7.05	7.5	7.88
00400	CONVERTED PH (STANDARD UNITS)	09/08/68-08/30/74	33	7.3	7.215	8.3	6.7	0.139	0.372	6.9	7.05	7.5	7.88
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/08/68-08/30/74	33	0.05	0.061	0.2	0.005	0.002	0.044	0.014	0.032	0.09	0.126
00403	PH, LAB, STANDARD UNITS SU	03/20/69-05/26/74	4	7.	7.	7.3	6.7	0.087	0.294	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/20/69-05/26/74	4	6.955	6.929	7.3	6.7	0.093	0.306	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/69-05/26/74	4	0.111	0.118	0.2	0.05	0.005	0.073	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/69-05/26/74	4	36.	36.75	43.	32.	31.583	5.62	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/20/69-06/07/74	6	133.	130.333	169.	78.	1542.267	39.272	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/20/69-06/07/74	6	52.5	48.5	72.	10.	607.1	24.639	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/20/69-06/07/74	6	94.	81.833	129.	17.	2214.567	47.059	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-08/30/74	19	24.	23.316	47.	11.	76.228	8.731	12.	18.	27.	35.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-08/30/74	19	5.	6.105	17.	1.	14.877	3.857	2.	3.	9.	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-08/30/74	19	17.	17.211	33.	4.	66.175	8.135	5.	11.	22.	30.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/26/70-08/30/74	26	0.28	0.294	0.9	0.01	0.053	0.23	0.05	0.115	0.353	0.704
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/26/70-08/30/74	26	0.03	0.045	0.18	0.005	0.002	0.043	0.005	0.01	0.07	0.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/26/70-08/30/74	26	0.37	0.412	1.089	0.005	0.064	0.253	0.151	0.248	0.483	0.866
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/26/70-08/30/74	26	0.7	0.777	1.599	0.3	0.142	0.377	0.37	0.5	1.099	1.5
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/72-08/30/74	16	9.	9.625	17.	1.	17.85	4.225	3.8	7.	13.	15.6
01002	ARSENIC, TOTAL (UG/L AS AS)	05/16/72-05/16/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/16/72-08/17/72	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/16/72-10/12/72	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/16/72-10/12/72	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/16/72-10/12/72	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/16/72-10/12/72	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/08/68-08/10/73	8	2350.	7498.75	46000.	230.	243697526.786	15610.814	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	09/08/68-08/10/73	8	3.371	3.35	4.663	2.362	0.441	0.664	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2238.242								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/06/71-08/30/74	27	100.	824.074	6000.	50.	2746994.302	1657.406	50.	50.	600.	3600.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/06/71-08/30/74	27	2.	2.302	3.778	1.699	0.481	0.693	1.699	1.699	2.778	3.537
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			200.426								

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

Parameter Inventory for Station: PETE0031

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)	08/26/70-08/30/74	26 ##	0.05	0.079	0.2	0.05	0.002	0.043	0.05	0.05	0.1	0.13
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/26/70-08/30/74	26	0.05	0.05	0.1	0.01	0.001	0.024	0.017	0.04	0.06	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	05/16/72-10/12/72	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0031

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	32	0	0.00	22	0	0.00	1	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	33	0	0.00	22	0	0.00	1	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	33	0	0.00	22	0	0.00	1	0	0.00	10	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	26	0	0.00	18	0	0.00	1	0	0.00	7	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	26	0	0.00	18	0	0.00	1	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	16	0	0.00	12	0	0.00				4	0	0.00			
		Drinking Water	250.	16	0	0.00	12	0	0.00				4	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.	3	0	0.00	2	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	1300.	3	0	0.00	2	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	15.	3	0	0.00	2	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5000.	3	0	0.00	2	0	0.00				1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	8	5	0.63	5	3	0.60				3	2	0.67			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	27	12	0.44	18	7	0.39	1	1	1.00	8	4	0.50			
71900	MERCURY, TOTAL	Fresh Acute	2.4	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			

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

Station Inventory for Station: PETE0032

NPS Station ID: PETE0032 LAT/LON: 37.326115/ -77.271948 Agency: 21VASWCB Date Created: 12/07/84
Location: BUOY 120-CONFLUENCE WITH JAMES AND APPOMATTOX FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS078.07
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206063 RF1 Mile Point: 0.110 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000310.01 RF3 Mile Point: 10.01 Distance from RF3: 0.02 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835101 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-09/27/83	3	28.5	26.5	29.	22.	15.25	3.905	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/12/83	7 ##	0.075	0.081	0.105	0.06	0.	0.016	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-09/27/83	3	310.	308.333	360.	255.	2758.333	52.52	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/28/83-09/27/83	3	8.3	7.9	9.3	6.1	2.68	1.637	**	**	**	**
00400	PH (STANDARD UNITS)	07/28/83-09/27/83	3	7.9	7.867	8.1	7.6	0.063	0.252	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-09/27/83	3	7.9	7.818	8.1	7.6	0.067	0.259	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-09/27/83	3	0.013	0.015	0.025	0.008	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/83-09/27/83	3	55.	54.	56.	51.	7.	2.646	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-09/27/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-09/27/83	3	165.	173.667	215.	141.	1425.333	37.754	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-09/27/83	3	24.	22.667	24.	20.	5.333	2.309	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-09/27/83	3	5.	6.333	10.	4.	10.333	3.215	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/83-10/03/83	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/83-09/27/83	3	0.2	0.167	0.2	0.1	0.003	0.058	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/83-09/27/83	3	0.4	0.467	0.9	0.1	0.163	0.404	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-09/27/83	3	0.5	0.533	0.6	0.5	0.003	0.058	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-09/27/83	3	1.1	1.	1.2	0.7	0.07	0.265	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-09/27/83	3	0.6	0.6	1.	0.2	0.16	0.4	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-09/27/83	4	0.1	0.087	0.1	0.05	0.001	0.025	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	6 ##	0.05	0.075	0.2	0.05	0.004	0.061	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-09/27/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-09/27/83	3	8.	8.333	9.	8.	0.333	0.577	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-09/27/83	3	230.	184.333	230.	93.	6256.333	79.097	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-09/27/83	3	2.362	2.231	2.362	1.968	0.052	0.227	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			170.077								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-09/27/83	3	43.	59.667	93.	43.	833.333	28.868	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-09/27/83	3	1.633	1.745	1.968	1.633	0.037	0.193	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			55.608								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	4	30.5	32.35	39.6	28.8	24.11	4.91	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	4	23.05	21.975	23.8	18.	7.229	2.689	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-09/27/83	3	0.1	0.1	0.2	0.	0.01	0.1	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	3	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	2	0.67	3	2	0.67									

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

Station Inventory for Station: PETE0033

NPS Station ID: PETE0033 LAT/LON: 37.280281/ -77.277505 Agency: 21VASWCB Date Created: / /
Location: BELOW CONFL. WITH HOPEWELL STP EFFLUENT FIPS State/County: 51670 VIRGINIA/HOPEWELL (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-BLY002.28 /VA2-02-X0038/VA2-4X0038
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206043 RF1 Mile Point: 7.380 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206135100.73 RF3 Mile Point: 1.00 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: BAILEY CREEK SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-08/29/73	4	25.	24.85	31.1	18.3	37.477	6.122	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/73-08/29/73	4	2.4	2.85	6.6	0.	11.37	3.372	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/29/73-08/29/73	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/73-08/29/73	4	7.	7.525	9.3	6.8	1.409	1.187	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-08/29/73	4	7.	7.047	9.3	6.8	1.714	1.309	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-08/29/73	4	0.1	0.09	0.158	0.001	0.004	0.066	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-08/29/73	4	7.299	7.15	11.	3.	14.863	3.855	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-08/29/73	4	0.02	0.026	0.06	0.005	0.001	0.024	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-08/29/73	4	0.16	0.158	0.3	0.01	0.014	0.12	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-08/29/73	4	14.	14.375	17.	12.5	4.229	2.056	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/03/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/03/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/03/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-08/29/73	4	4100.	5575.	14000.	100.	37509166.667	6124.473	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-08/29/73	4	3.56	3.317	4.146	2.	0.878	0.937	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2073.364								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-08/29/73	4	2.5	3.175	5.7	2.	3.056	1.748	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-08/29/73	4	2.35	2.324	3.199	1.399	0.823	0.907	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/03/73	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	2	0.50	2	2	1.00				2	0	0.00			
00400	PH	Other-Hi Lim.	9.	4	1	0.25	2	1	0.50				2	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00				2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	2	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	2	0	0.00				2	0	0.00			
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			
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			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	3	0.75	2	2	1.00				2	1	0.50			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0034

NPS Station ID: PETE0034 LAT/LON: 37.277781/ -77.278892 Agency: 21VASWCB Date Created: / /
Location: ABOVE CONFL. WITH HOPEWELL STP EFFLUENT FIPS State/County: 51670 VIRGINIA/HOPEWELL (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-BLY002.49 /VA2-02-X0039/VA2-4X0039
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206135101.27 RF3 Mile Point: 3.60 Distance from RF3: 0.01 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: BAILEY CREEK SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-10/12/73	5	20.6	22.24	27.8	17.2	22.513	4.745	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/73-10/12/73	5	7.	5.36	8.	0.	11.188	3.345	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/73-08/29/73	4	6.5	6.4	6.6	6.	0.073	0.271	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-08/29/73	4	6.5	6.327	6.6	6.	0.08	0.284	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-08/29/73	4	0.316	0.471	1.	0.251	0.125	0.354	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/12/73-10/12/73	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/12/73-10/12/73	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/73-10/12/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/12/73	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-10/12/73	5	1.599	1.84	3.	0.8	0.703	0.838	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/73	5	0.01	0.028	0.08	0.005	0.001	0.033	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/73	5	0.33	0.522	1.419	0.17	0.26	0.51	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-10/12/73	5	4.5	6.3	16.	2.	32.575	5.707	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/03/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/03/73	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/03/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/12/73	5	100.	2360.	11000.	50.	23381750.	4835.468	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/12/73	5	2.	2.443	4.041	1.699	0.993	0.996	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			277.649								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-10/12/73	5	2.2	3.6	10.	0.7	14.745	3.84	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-10/12/73	5	1.899	3.3	10.	0.4	15.661	3.957	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/03/73	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	1	0.20	3	1	0.33				2	0	0.00			
00400	PH	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	3	0.75	2	2	1.00				2	1	0.50			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	3	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	3	0	0.00				2	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			
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			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	2	0.40	3	2	0.67				2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0035

NPS Station ID: PETE0035
LAT/LON: 37.312226/ -77.286115
Agency: 1113JAWQ
Date Created: / /
Location: HOPEWELL RT 10 BR J10
FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JAMES J10 /J10 /A10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 9.880
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02080207000304.53
RF3 Mile Point: 7.05
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-11/04/71	20	25.3	22.9	29.4	8.9	25.626	5.062	16.29	19.5	26.55	28.73
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/11/71-07/23/71	4	21.5	20.75	25.	15.	21.583	4.646	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-11/04/71	21	7.2	7.943	12.	6.6	2.091	1.446	6.62	6.9	8.55	10.48
00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-11/04/71	9	2.1	2.011	3.4	0.5	1.256	1.121	0.5	0.95	3.2	3.4
00400	PH (STANDARD UNITS)	07/22/68-11/02/71	18	7.7	7.65	8.7	6.4	0.398	0.631	6.76	7.275	8.125	8.52
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-11/02/71	18	7.7	7.249	8.7	6.4	0.569	0.754	6.76	7.275	8.125	8.52
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-11/02/71	18	0.02	0.056	0.398	0.002	0.009	0.094	0.003	0.008	0.053	0.182
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-11/04/71	18	0.104	0.246	0.9	0.01	0.078	0.28	0.028	0.068	0.419	0.801
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-11/04/71	18	0.535	0.713	1.9	0.1	0.241	0.49	0.19	0.3	1.098	1.45
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/20/69-11/04/71	19	0.6	0.655	1.78	0.06	0.218	0.466	0.1	0.29	0.87	1.5
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/21/70-11/04/71	15	0.1	0.143	0.36	0.05	0.011	0.105	0.05	0.1	0.19	0.354
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-11/04/71	19	0.04	0.074	0.23	0.01	0.006	0.075	0.01	0.02	0.15	0.22
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/71-11/04/71	4	8.4	8.525	9.3	8.	0.303	0.55	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	10/21/71-11/04/71	4	14.55	15.425	19.	13.6	5.883	2.425	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-05/05/70	1	12.	12.	12.	12.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-11/04/71	18	160.5	4242.889	24000.	30.	61654770.693	7852.055	30.	36.	4095.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/68-11/04/71	18	2.16	2.63	4.38	1.477	1.149	1.072	1.477	1.556	3.526	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			426.435								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	9	260.	590.	2400.	100.	571300.	755.844	100.	100.	895.	2400.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	9	2.415	2.484	3.38	2.	0.277	0.526	2.	2.	2.949	3.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			304.756								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/19/71-11/02/71	3	16.5	19.267	24.8	16.5	22.963	4.792	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	10	0	0.00	4	0	0.00	7	0	0.00			
00400	PH	Other-Hi Lim.	9.	18	0	0.00	9	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	18	1	0.06	9	0	0.00	2	1	0.50	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	18	7	0.39	7	2	0.29	5	5	1.00	6	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	5	0.56	3	0	0.00	4	4	1.00	2	1	0.50			

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

Station Inventory for Station: PETE0036

NPS Station ID: PETE0036 LAT/LON: 37.273893/ -77.289726 Agency: 21VASWCB Date Created: 05/06/95
Location: BAILEY CREEK, RT. 156 BRIDGE FIPS State/County: 51670 VIRGINIA/HOPEWELL (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-BLY003.42
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2- JAMES REGION: 4 PIEDMONT
RIVER: BAILEY CREEK SECTION: 07 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/94-07/20/94	1	25.2	25.2	25.2	25.2	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/94-07/20/94	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/94-07/20/94	1	6.79	6.79	6.79	6.79	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/94-07/20/94	1	6.79	6.79	6.79	6.79	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/94-07/20/94	1	0.162	0.162	0.162	0.162	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 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	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PETE0037

NPS Station ID: PETE0037
LAT/LON: 37.273615/ -77.290282
Agency: 11NORCOR
Date Created: 06/09/79
Location: ROUTE 156 BRIDGE
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR192
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02080206135100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.08
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: PETE0037

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)	05/13/77-05/13/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/13/77-05/13/77	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/13/77-05/13/77	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/13/77-05/13/77	1	190.	190.	190.	190.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/13/77-05/13/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0038

NPS Station ID: PETE0038
LAT/LON: 37.310559/ -77.295559
Agency: 111WS
Date Created: 05/12/78
Location: VA-AMERICAN WATER CO.
FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 019
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 999
Aquifer:
Major Basin: N.ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES R.
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 11.980
Distance from RF1: 3.00
On/Off RF1: OFF
RF3 Index: 02080206004510.25
RF3 Mile Point: 10.46
Distance from RF3: 0.21
On/Off RF3:
Description:
NATL.ORGANICS RECONNAISSANCE SURVEY OFF.OF RESEARCH & DEVEL.CINN,OHIO HOPEWELL PLANT DISTRICT

Parameter Inventory for Station: PETE0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/28/75-04/28/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	03/04/75-03/04/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
81280	NONPURGEABLE ORGANIC CARBON MG/L	04/28/75-04/28/75	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0038

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: PETE0039

NPS Station ID: PETE0039
LAT/LON: 37.311420/ -77.296838
Agency: 21VASWCB
Date Created: 05/09/81
Location: APPOMATTOX RIVER AT ROUTE 10 BRIDGE
FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQA8425 /X296500 /Y4131575
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206043
RF1 Mile Point: 12.130
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 020802060004101.70
RF3 Mile Point: 1.92
Distance from RF3: 0.28
On/Off RF3:
Description:
VA SWCB CORE NETWORK STATION 18
SWCB DES KEPONE FISH MONITORING PROGRAM, ANALYZED BY DCLS /

Parameter Inventory for Station: PETE0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	10/25/79-07/24/80	6	1.205	1.3	2.6	0.09	1.56	1.249	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/25/79-07/24/80	6	0.03	0.033	0.07	0.02	0.	0.019	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/25/79-07/24/80	6	2.93	3.747	8.28	1.1	9.	3.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/25/79-07/24/80	6	5.4	7.718	19.	2.8	37.484	6.122	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/25/79-07/24/80	6	1.8	1.752	2.57	1.1	0.288	0.537	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/25/79-07/24/80	6	0.1	0.133	0.21	0.09	0.003	0.056	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/25/79-07/24/80	6	5.	5.	5.	5.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PETE0040

NPS Station ID: PETE0040 LAT/LON: 37.311392/ -77.296949 Agency: 21VASWCB Date Created: / /
Location: BUOY 8 (CITY OF HOPEWELL) FIPS State/County: 51670 VIRGINIA/HOPEWELL (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP001.53 /VA2-02AX0003/VA2-4X0003 /TF5.4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206043 RF1 Mile Point: 12.130 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02080206135700.96 RF3 Mile Point: 1.80 Distance from RF3: 0.59 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA
THIS STATION IS ALSO USED FOR SURVEY 845101

Parameter Inventory for Station: PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	733	20.	18.532	32.1	0.4	72.329	8.505	6.	11.1	26.2	28.7
00023	SAMPLE WEIGHT IN POUNDS	10/25/79-07/26/91	23	0.27	0.799	3.34	0.02	0.832	0.912	0.07	0.13	1.35	2.448
00024	SAMPLE LENGTH IN INCHES	10/25/79-07/26/91	23	8.43	10.038	18.31	3.98	20.221	4.497	4.4	6.25	13.9	16.76
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	09/01/81-09/01/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	67	22.	26.781	75.	6.1	271.162	16.467	10.1	17.	32.	50.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	41	24.	29.856	128.	9.7	573.402	23.946	14.42	18.45	29.65	42.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	172	0.5	0.541	5.	0.2	0.136	0.369	0.3	0.4	0.6	0.7
00080	COLOR (PLATINUM-COBALT UNITS)	02/25/91-01/12/94	20	60.5	78.55	233.	4.	2764.05	52.574	31.6	48.25	93.25	148.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	618	128.5	147.817	400.	6.	5555.261	74.534	70.	90.	190.	254.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	103	115.	137.602	363.	63.	3968.32	62.995	77.	89.	174.	223.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	489	0.	0.008	2.	0.	0.011	0.104	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	503	8.9	9.074	14.6	5.1	3.713	1.927	6.7	7.5	10.5	11.76
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	276	8.7	8.924	18.	4.4	4.51	2.124	6.4	7.4	10.2	11.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	227	2.	2.571	9.5	0.5	1.641	1.281	1.	2.	3.	4.
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	04/17/78-04/17/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	188	17.	17.189	55.	0.5	47.153	6.867	10.	13.	20.	25.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	413	7.26	7.31	9.3	4.45	0.363	0.602	6.584	6.97	7.65	8.088
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	413	7.26	6.707	9.3	4.45	0.726	0.852	6.584	6.97	7.65	8.088
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	413	0.055	0.196	35.481	0.001	3.08	1.755	0.008	0.022	0.107	0.261
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	119	7.1	7.092	8.2	6.	0.164	0.405	6.6	6.8	7.4	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	119	7.1	6.903	8.2	6.	0.2	0.447	6.6	6.8	7.4	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	119	0.079	0.125	1.	0.006	0.022	0.147	0.025	0.04	0.158	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	121	33.	34.678	73.	12.	167.454	12.94	18.	25.5	44.	50.8
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	67	112.	121.627	239.	60.	1231.359	35.091	81.6	100.	140.	174.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	67	30.	30.985	83.	4.	160.106	12.653	15.	24.	37.	44.2
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	66	82.	88.182	169.	15.	855.505	29.249	59.7	69.	104.5	129.3
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/80-07/15/80	2	92.	92.	112.	72.	800.	28.284	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	314	24.	25.088	82.	0.5	120.273	10.967	13.	18.	31.	36.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	316	6.	6.315	17.	0.	10.109	3.18	3.	4.	8.	11.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	313	18.	18.85	70.	0.	89.793	9.476	7.	14.	24.	29.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/20/92-07/20/92	1	19.3	19.3	19.3	19.3	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	184	0.07	0.114	0.78	0.005	0.018	0.133	0.02	0.025	0.148	0.265
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	207	0.1	0.172	2.4	0.01	0.047	0.217	0.05	0.05	0.2	0.3
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	184	0.01	0.024	0.147	0.001	0.001	0.029	0.005	0.005	0.03	0.052
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	207	0.02	0.03	0.25	0.005	0.001	0.037	0.005	0.01	0.03	0.07
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	180	0.22	0.24	1.3	0.006	0.022	0.149	0.091	0.143	0.3	0.399
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	193	0.26	0.295	1.54	0.02	0.036	0.189	0.13	0.19	0.36	0.48
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	359	0.7	0.714	4.2	0.2	0.107	0.327	0.4	0.5	0.9	1.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	14	0.245	0.264	0.54	0.08	0.019	0.139	0.085	0.138	0.363	0.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/20/96-08/20/96	7	0.1	0.173	0.4	0.06	0.018	0.133	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	310	0.1	0.129	1.5	0.05	0.012	0.107	0.06	0.1	0.143	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	171	0.03	0.033	0.22	0.005	0.001	0.027	0.01	0.02	0.04	0.06
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	339	0.03	0.042	0.22	0.005	0.001	0.036	0.01	0.017	0.06	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	360	6.3	6.819	21.	1.	6.486	2.547	4.	5.	8.	10.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	83	44.	53.012	600.	19.	4107.89	64.093	24.	31.	60.	78.4
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	81	8.	11.247	37.	3.	66.388	8.148	4.	6.	14.	23.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	78	11.	13.628	44.	4.	65.925	8.119	6.	8.	17.	26.
00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-05/26/93	46 ##	0.1	0.108	0.25	0.025	0.004	0.061	0.05	0.05	0.15	0.203
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	144	9.7	9.233	19.9	1.	20.11	4.484	2.65	5.45	12.5	14.55
01002	ARSENIC, TOTAL (UG/L AS AS)	03/15/71-04/28/93	16 ##	3.75	3.219	5.	0.5	3.766	1.941	0.5	1.	5.	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/12/79-09/23/91	5	6.6	4.87	10.1	0.15	19.065	4.366	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/27/86-07/26/91	8	0.103	0.117	0.3	0.04	0.006	0.079	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/28/93	18 ##	5.	4.5	5.	0.5	2.118	1.455	0.5	5.	5.	5.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/12/79-06/22/93	6 ##	0.36	0.371	0.86	0.07	0.095	0.308	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/12/79-09/23/91	5	25.8	24.15	36.	6.15	125.798	11.216	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/28/93	22 ##	5.	5.5	10.	1.	4.071	2.018	5.	5.	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/28/93	22 ##	5.	10.273	50.	5.	121.827	11.038	5.	5.	10.5	27.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/12/79-09/23/91	5	34.	26.424	35.3	2.92	186.572	13.659	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/22/70-04/28/93	9	1099.	1339.889	2750.	670.	514235.111	717.102	670.	800.	1950.	2750.
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/28/93	22 ##	5.	9.318	37.	1.	85.275	9.234	2.6	5.	10.	27.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/12/79-09/23/91	5	31.	32.32	58.	10.8	339.332	18.421	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/23/70-04/28/93	9	107.	105.656	150.	60.	791.893	28.141	60.	87.	125.	150.
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/15/78	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/04/82-04/28/93	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/12/79-09/23/91	5	19.	16.74	24.	1.5	78.813	8.878	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	08/27/86-07/26/91	8	0.65	0.688	1.05	0.3	0.101	0.317	**	**	**	**
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	07/26/91-07/26/91	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/28/93	22 ##	7.5	14.455	50.	5.	151.403	12.305	5.	5.	21.	30.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/12/79-09/23/91	5	115.	114.38	213.	21.5	4900.822	70.006	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/13/89	80	8900.	8177.438	18480.	5.	27658068.35	5259.094	810.	3725.	11500.	15450.
01147	SELENIUM, TOTAL (UG/L AS SE)	01/14/91-04/28/93	7 ##	10.	7.857	10.	5.	7.143	2.673	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	07/26/91-07/26/91	3 ##	0.25	0.25	0.35	0.15	0.01	0.1	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/68-10/26/70	12	4450.	16469.167	93000.	930.	730799408.333	27033.302	1101.	2300.	20000.	78000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/68-10/26/70	12	3.648	3.793	4.968	2.968	0.377	0.614	3.031	3.362	4.282	4.868
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6211.1								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/04/85-07/08/86	25	2300.	17379.2	240000.	430.	2626002691.	51244.538	730.	1215.	4450.	58400.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/04/85-07/08/86	25	3.362	3.493	5.38	2.633	0.432	0.657	2.834	3.072	3.648	4.645
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			3108.272								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/21/94-06/09/94	4	230.	520.5	1600.	22.	537134.333	732.894	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/21/94-06/09/94	4	2.293	2.283	3.204	1.342	0.62	0.787	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			191.867								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/94-08/20/96	26	235.	953.308	9200.	9.	4083067.022	2020.66	9.	20.	892.5	2880.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/94-08/20/96	26	2.371	2.257	3.964	0.954	0.77	0.877	0.954	1.301	2.943	3.398
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			180.629								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	258	100.	320.829	8000.	0.	588685.465	767.258	50.	50.	247.5	646.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	258	2.	2.099	3.903	0.	0.279	0.528	1.699	1.699	2.391	2.81
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			125.648								
32240	TANNIN AND LIGNIN (MG/L)	01/12/94-01/12/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
34204	ACENAPHTHYLENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34209	ACENAPHTHENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34224	ANTHRACENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34251	BENZO-A-PYRENE WET WGTTISMG/KG	07/26/91-07/26/91	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: PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34252	BERYLLIUM WET WGTTISMG/KG	07/26/91-07/26/91	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34258	B-BHC-BETA WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34324	CHRYSENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34340	DIETHYL PHTHALATE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34380	FLUORANTHENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34385	FLUORENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34446	NAPHTHALENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34465	PHENANTHRENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34473	PYRENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/25/79-07/27/88	20 ##	0.5	0.301	0.5	0.005	0.053	0.231	0.005	0.05	0.5	0.5
34685	ENDRIN WET WGTTISMG/KG	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
34690	PCB - 1254 WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.5	1.096	3.4	0.5	1.66	1.288	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	08/27/86-07/27/88	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	12/12/79-03/13/85	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/24/91-09/23/91	2 ##	25.003	25.003	50.	0.005	1249.75	35.352	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39113	DIBUTYL PHTHALATES IN FISH,ANIMAL WET WGT UG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39309	O P DDT IN AQUATIC ORGANISMS WET WEIGHT BASIS(UG/G	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5

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

Parameter Inventory for Station: PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/82-09/23/91	2	50.	50.	100.	0.	5000.	70.711	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/24/91-09/23/91	2 ##	375.	375.	500.	250.	31250.	176.777	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	2 ##	75.	75.	100.	50.	1250.	35.355	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	2 ##	50.025	50.025	100.	0.05	4995.001	70.675	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	2 ##	75.	75.	100.	50.	1250.	35.355	**	**	**	**
39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	07/17/84-07/17/84	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/13/71-03/13/85	5	0.	0.012	0.05	0.	0.	0.022	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/24/91-09/23/91	2 ##	50.025	50.025	100.	0.05	4995.001	70.675	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/12/79-03/13/85	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	2 ##	50.025	50.025	100.	0.05	4995.001	70.675	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/24/91-09/23/91	2 ##	250.25	250.25	500.	0.5	124750.125	353.2	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/24/91-09/23/91	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/25/79-08/27/86	18 ##	0.5	0.574	2.	0.005	0.286	0.535	0.005	0.05	0.85	1.46
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/24/91-09/23/91	2 ##	375.	375.	500.	250.	31250.	176.777	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/04/82-05/04/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	12/12/79-05/20/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39781	LINDANE AQUATIC ORGANISMS WT WGT BASIS(UG/G)	10/25/79-07/17/84	15 ##	0.5	0.324	0.5	0.005	0.053	0.23	0.005	0.05	0.5	0.5
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/13/71-06/13/71	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
49567	INVALID PARAMETER	02/27/95-08/20/96	18	0.062	0.074	0.131	0.03	0.001	0.028	0.042	0.054	0.101	0.12
49569	INVALID PARAMETER	02/27/95-07/23/96	16	1.691	1.857	3.65	0.652	1.03	1.015	0.714	1.019	2.881	3.533
49570	INVALID PARAMETER	02/27/95-07/23/96	16	0.261	0.272	0.523	0.083	0.025	0.157	0.09	0.14	0.44	0.516
49571	INVALID PARAMETER	02/27/95-08/20/96	18	0.602	0.61	1.05	0.328	0.035	0.187	0.359	0.461	0.744	0.825
49572	INVALID PARAMETER	02/27/95-08/20/96	18	0.029	0.036	0.091	0.016	0.	0.019	0.018	0.025	0.04	0.066
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	49 ##	0.05	0.072	0.2	0.05	0.001	0.035	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-06/12/79	49	0.05	0.045	0.11	0.005	0.	0.022	0.005	0.04	0.05	0.07
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/28/93	24 ##	0.25	0.198	0.25	0.	0.004	0.065	0.15	0.15	0.25	0.25
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	10/25/79-07/17/84	15	2.1	3.203	7.4	0.045	7.764	2.786	0.078	1.1	5.9	7.34
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/12/79-09/23/91	5	0.25	0.342	0.7	0.06	0.085	0.292	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/25/79-07/26/91	23 ##	0.025	0.036	0.08	0.01	0.001	0.023	0.01	0.015	0.055	0.076
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	10/25/79-07/17/84	15	4.56	4.462	10.2	0.55	10.756	3.28	0.61	1.3	6.7	9.84
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	14	0.95	1.079	2.9	0.1	0.798	0.893	0.15	0.463	1.325	2.85
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	14	1.3	1.516	3.	0.105	0.664	0.815	0.353	1.018	2.228	2.85
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/27/86-07/26/91	8	8.9	21.513	72.7	5.3	658.761	25.666	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	14	0.37	0.769	3.9	0.1	1.166	1.08	0.1	0.2	0.725	3.15
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/82-07/26/91	14 ##	0.1	0.087	0.15	0.05	0.001	0.033	0.05	0.054	0.11	0.135
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	10/25/79-07/17/84	15 ##	0.1	0.155	0.41	0.045	0.017	0.132	0.048	0.05	0.205	0.41
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	10/25/79-07/17/84	15	6.4	6.868	19.	2.46	18.381	4.287	2.664	3.56	9.2	13.96

** - Less than 9 observations ## - 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: PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	10/25/79-07/17/84	15	1.7	2.9	14.5	0.89	11.507	3.392	1.016	1.24	3.7	8.5
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	09/23/91-09/23/91	1	100.	100.	100.	100.	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
79038	BUTYLBENZYL PHTHALATE TISWETWTMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
79040	DIBENZ(A,H)ANTHRACENE TISWETWTMG/KG	07/26/91-07/26/91	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
79152	2,4-DIMETHYLPHENOL TISDRYWTMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
79156	4,6-DINITRO-2-METHYLPHENOL TISDRYWTMG/KG	07/26/91-07/26/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	09/23/91-09/23/91	1	100.	100.	100.	100.	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/25/79-07/26/91	23	5.	5.174	10.	3.	1.332	1.154	5.	5.	5.	5.6
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/25/79-07/27/88	20 ##	0.15	0.256	0.5	0.005	0.054	0.232	0.005	0.05	0.5	0.5
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	08/27/86-07/26/91	8 ##	0.105	0.201	0.5	0.05	0.036	0.19	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	08/27/86-07/27/88	5 ##	0.05	0.032	0.05	0.005	0.001	0.025	**	**	**	**
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	08/27/86-07/27/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	08/27/86-07/27/88	5 ##	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: PETE0040

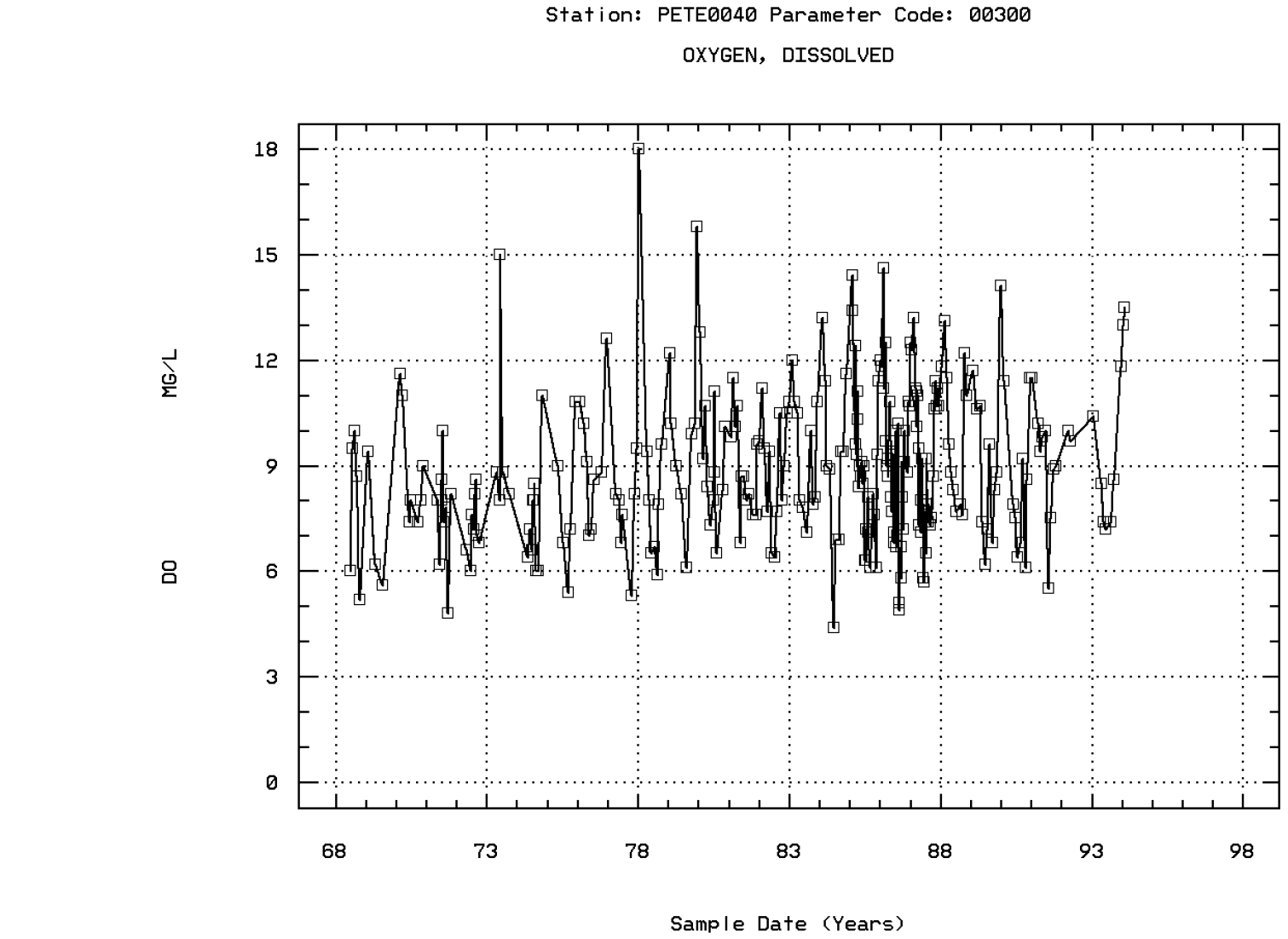
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	67	6	0.09	20	0	0.00	25	5	0.20	22	1	0.05			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	41	3	0.07	10	0	0.00	14	2	0.14	17	1	0.06			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	503	0	0.00	168	0	0.00	148	0	0.00	187	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	276	0	0.00	89	0	0.00	86	0	0.00	101	0	0.00			
00400	PH	Other-Hi Lim.	9.	413	2	0.00	139	2	0.01	129	0	0.00	145	0	0.00			
		Other-Lo Lim.	6.5	413	37	0.09	139	4	0.03	129	17	0.13	145	16	0.11			
00403	PH, LAB	Other-Hi Lim.	9.	119	0	0.00	28	0	0.00	46	0	0.00	45	0	0.00			
		Other-Lo Lim.	6.5	119	11	0.09	28	0	0.00	46	4	0.09	45	7	0.16			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	184	0	0.00	66	0	0.00	51	0	0.00	67	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	207	0	0.00	57	0	0.00	77	0	0.00	73	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	180	0	0.00	63	0	0.00	50	0	0.00	67	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	193	0	0.00	53	0	0.00	70	0	0.00	70	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	4	0	0.00	7	0	0.00	3	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	7	0	0.00	2	0	0.00	1	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	81	0	0.00	20	0	0.00	33	0	0.00	28	0	0.00			
		Drinking Water	250.	81	0	0.00	20	0	0.00	33	0	0.00	28	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	78	0	0.00	18	0	0.00	31	0	0.00	29	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	46	0	0.00	11	0	0.00	17	0	0.00	18	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	16	0	0.00	2	0	0.00	3	0	0.00	11	0	0.00			
		Drinking Water	50.	16	0	0.00	2	0	0.00	3	0	0.00	11	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.	22	0	0.00	6	0	0.00	5	0	0.00	11	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	22	4	0.18	6	0	0.00	5	2	0.40	11	2	0.18			
		Drinking Water	1300.	22	0	0.00	6	0	0.00	5	0	0.00	11	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	22	0	0.00	6	0	0.00	5	0	0.00	11	0	0.00			
		Drinking Water	15.	22	4	0.18	6	0	0.00	5	3	0.60	11	1	0.09			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00				1	0	0.00	4	0	0.00			
		Drinking Water	100.	5	0	0.00				1	0	0.00	4	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	22	0	0.00	6	0	0.00	5	0	0.00	11	0	0.00			
		Drinking Water	5000.	22	0	0.00	6	0	0.00	5	0	0.00	11	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	7	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	50.	7	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	12	11	0.92	6	5	0.83	3	3	1.00	3	3	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	25	19	0.76	8	4	0.50	5	4	0.80	12	11	0.92			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	4	2	0.50							4	2	0.50			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	26	14	0.54	7	2	0.29	11	10	0.91	8	2	0.25			

& - 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: PETE0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	258	95	0.37	80	25	0.31	87	42	0.48	91	28	0.31			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	4	0	0.00	1	0	0.00	1	0	0.00	2	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	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	2.	4	0	0.00	1	0	0.00	1	0	0.00	2	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			
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			
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	24	0	0.00	7	0	0.00	5	0	0.00	12	0	0.00			
		Drinking Water	2.	24	0	0.00	7	0	0.00	5	0	0.00	12	0	0.00			

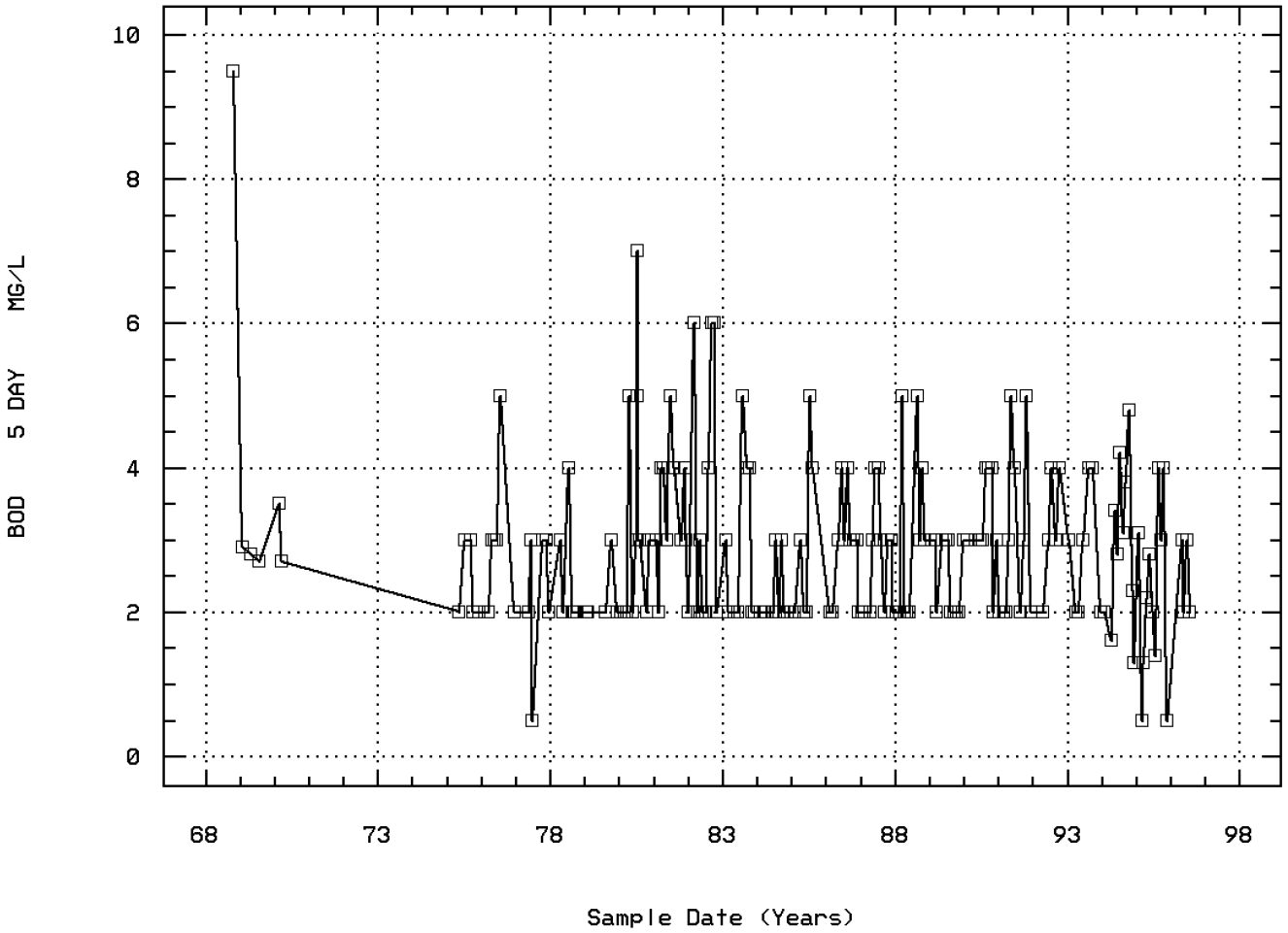
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



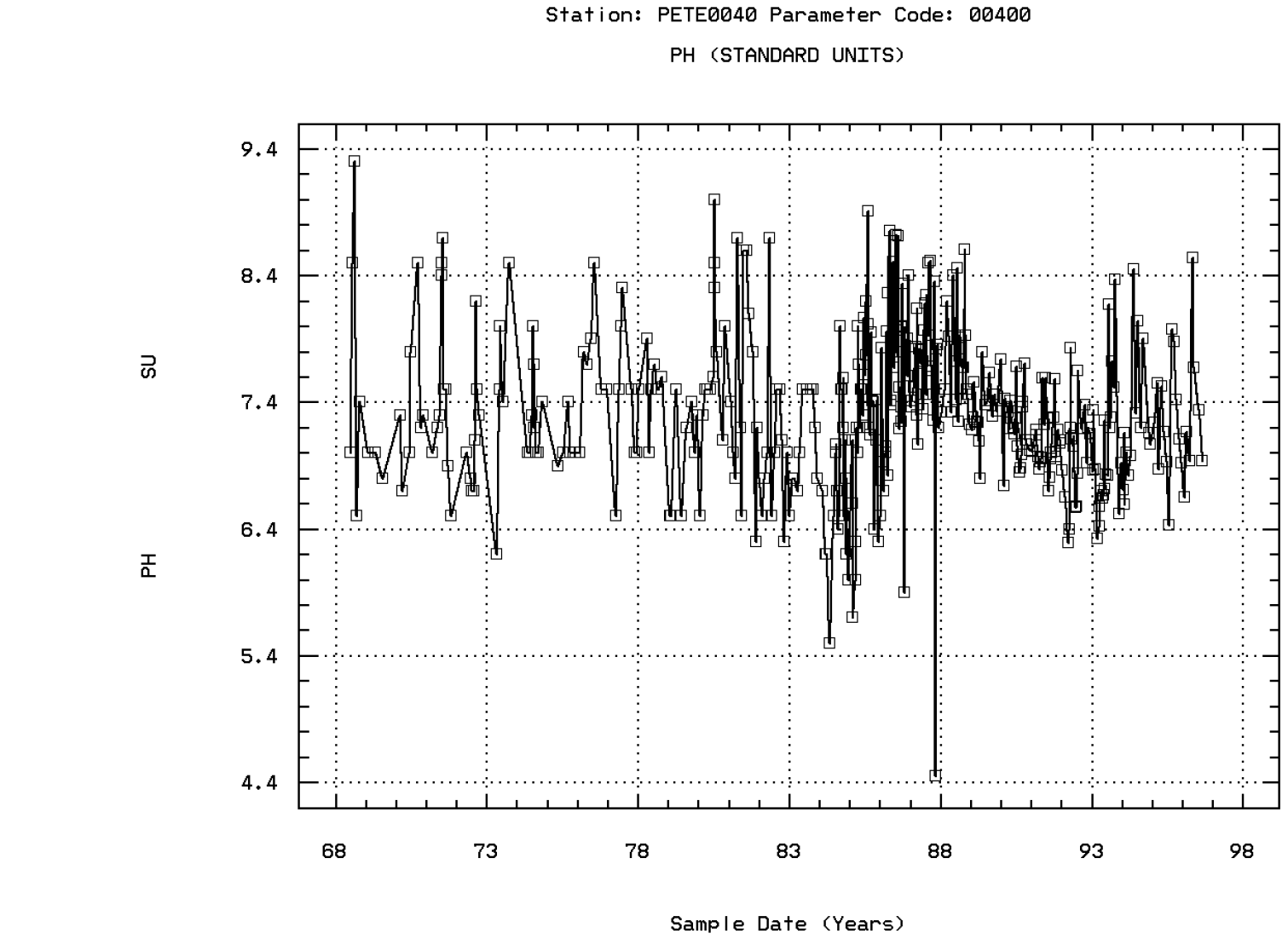
BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00310

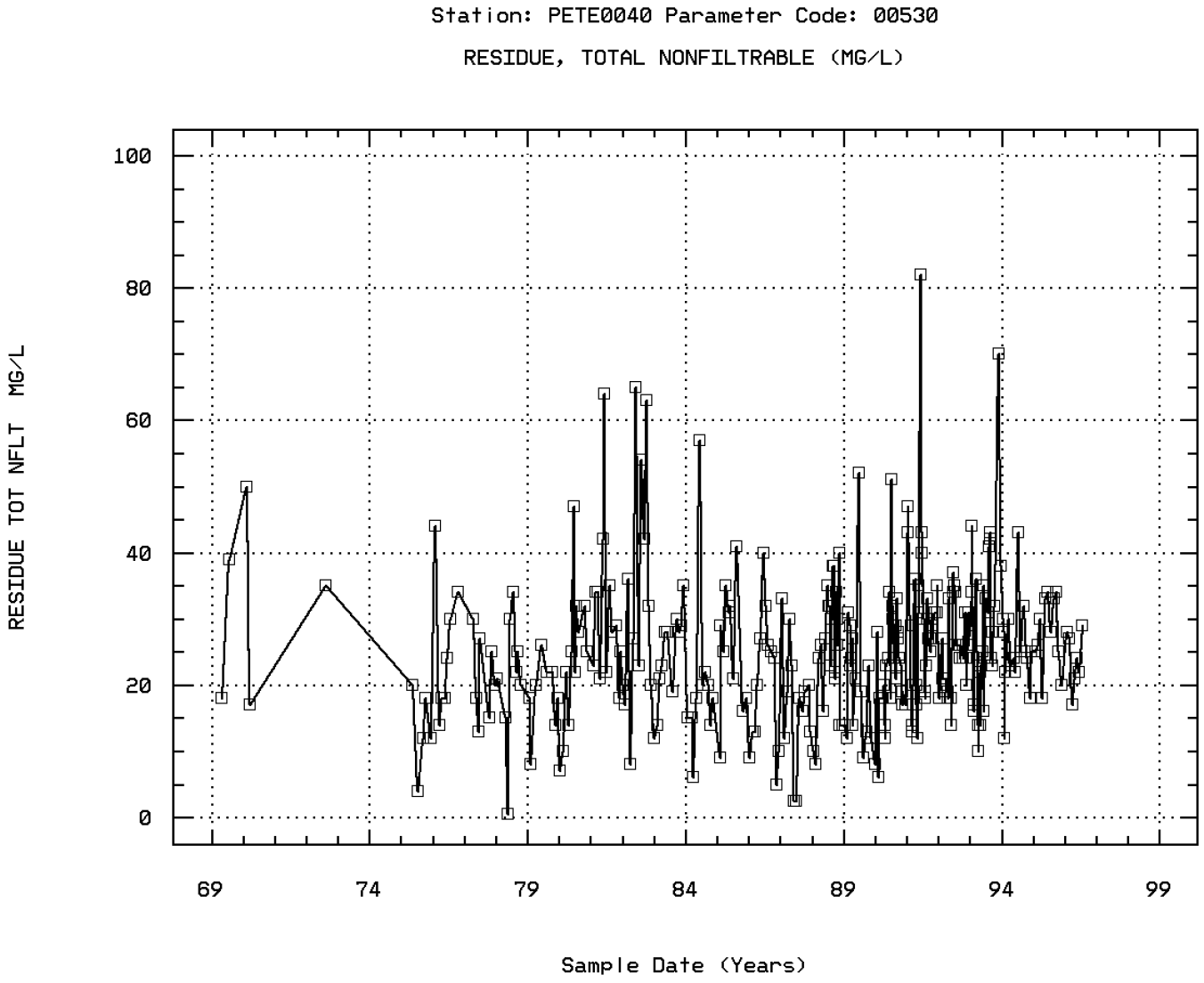
BOD, 5 DAY, 20 DEG C



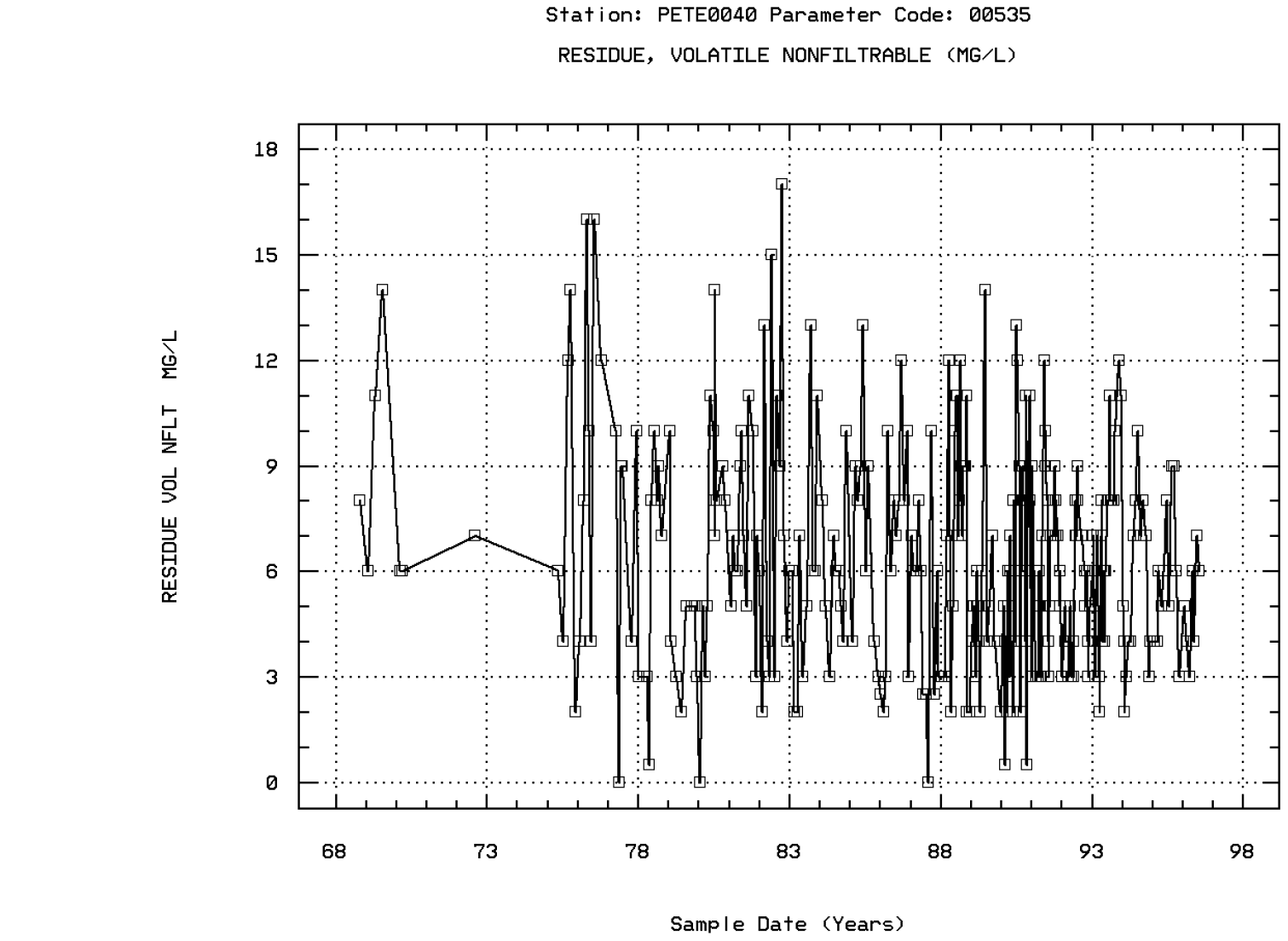
BUOY 8 (CITY OF HOPEWELL)



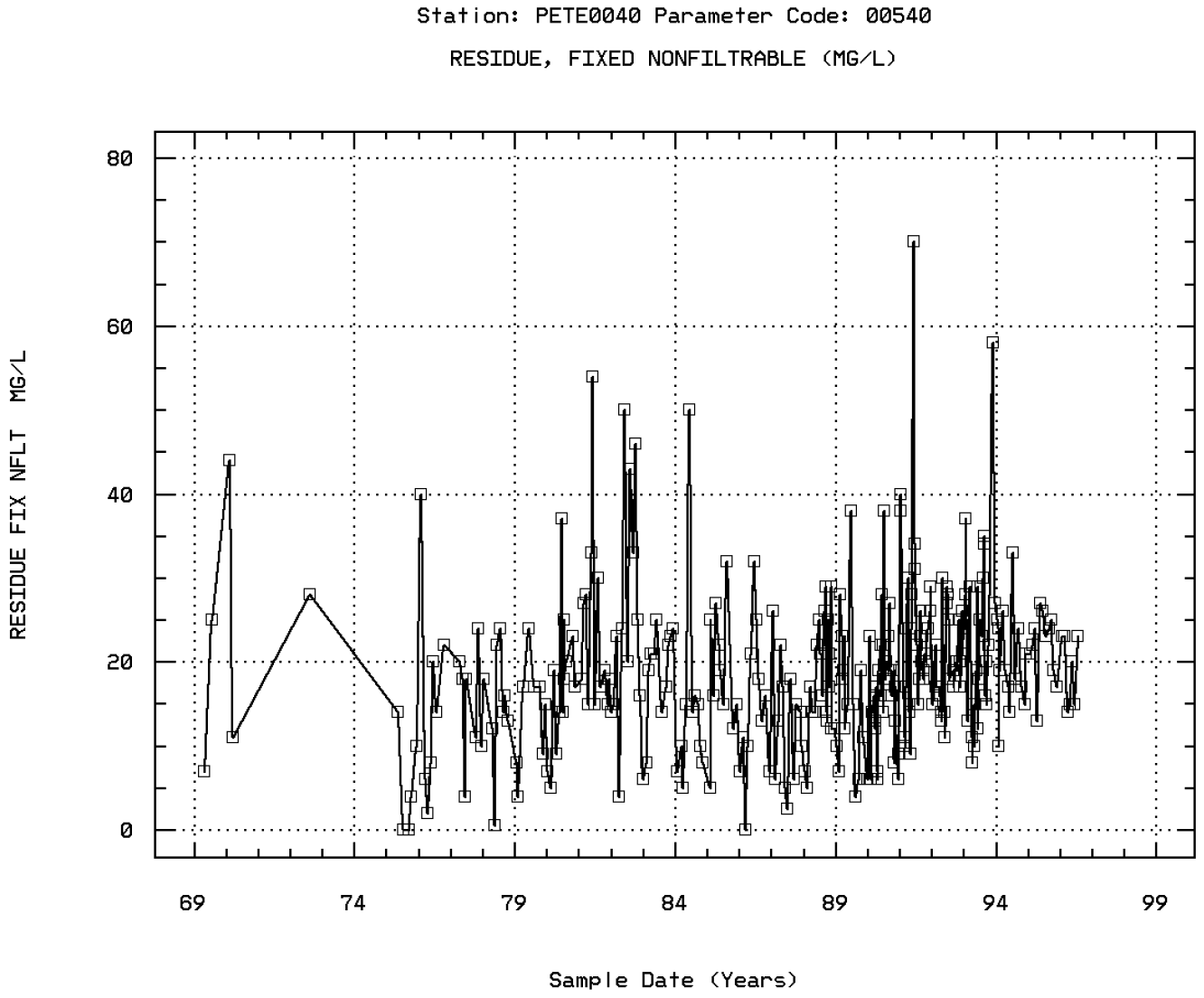
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BUOY 8 (CITY OF HOPEWELL)



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Annual Analysis for 1968 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	5	27.8	27.92	31.7	21.7	17.192	4.146	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	5	8.7	7.88	10.	5.2	4.627	2.151	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	5	7.4	7.74	9.3	6.5	1.303	1.141	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	5	7.4	7.036	9.3	6.5	1.922	1.386	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	5	0.04	0.092	0.316	0.001	0.017	0.132	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	1	239.	239.	239.	239.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	3	20.	17.967	26.7	7.2	98.163	9.908	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	3	6.2	7.067	9.4	5.6	4.173	2.043	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	3	2.8	2.8	2.9	2.7	0.01	0.1	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	3	7.	6.933	7.	6.8	0.013	0.115	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	3	7.	6.923	7.	6.8	0.014	0.116	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	3	0.1	0.119	0.158	0.1	0.001	0.034	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	3	6.9	7.033	7.4	6.8	0.103	0.321	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	3	6.9	6.966	7.4	6.8	0.11	0.332	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	3	0.126	0.108	0.158	0.04	0.004	0.061	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	3	30.	31.333	35.	29.	10.333	3.215	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	3	135.	137.	149.	127.	124.	11.136	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	3	31.	27.333	36.	15.	120.333	10.97	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	2	108.	108.	120.	96.	288.	16.971	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	2	28.5	28.5	39.	18.	220.5	14.849	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	3	11.	10.333	14.	6.	16.333	4.041	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	2	16.	16.	25.	7.	162.	12.728	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	7	19.4	17.786	27.8	5.	94.485	9.72	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	7	8.	8.914	11.6	7.4	2.971	1.724	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	2	3.1	3.1	3.5	2.7	0.32	0.566	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	7	7.3	7.4	8.5	6.7	0.347	0.589	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	7	7.3	7.162	8.5	6.7	0.413	0.642	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	7	0.05	0.069	0.2	0.003	0.004	0.066	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	2	6.65	6.65	7.	6.3	0.245	0.495	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	2	6.522	6.522	7.	6.3	0.278	0.527	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	2	0.301	0.301	0.501	0.1	0.08	0.284	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	2	23.5	23.5	28.	19.	40.5	6.364	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	2	121.	121.	136.	106.	450.	21.213	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	2	33.	33.	42.	24.	162.	12.728	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	2	88.	88.	94.	82.	72.	8.485	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	2	33.5	33.5	50.	17.	544.5	23.335	**	**	**	**

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

Annual Analysis for 1970 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	2	6.	6.	6.	6.	0.	0.	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	2	27.5	27.5	44.	11.	544.5	23.335	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	2	0.225	0.225	0.3	0.15	0.011	0.106	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	2	0.295	0.295	0.49	0.1	0.076	0.276	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	2	0.85	0.85	1.	0.7	0.045	0.212	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	2	2000.	2000.	4000.	0.	8000000.	2828.427	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	2	1.801	1.801	3.602	0.	6.487	2.547	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			63.246								

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

Annual Analysis for 1971 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	10	25.25	24.05	30.	13.3	28.649	5.353	13.86	20.55	28.45	29.89
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	4	17.5	20.75	40.	8.	188.917	13.745	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	9	8.	7.667	10.	4.8	2.16	1.47	4.8	6.8	8.4	10.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	10	7.4	7.55	8.7	6.5	0.552	0.743	6.54	6.975	8.425	8.68
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	10	7.389	7.138	8.7	6.5	0.74	0.86	6.54	6.975	8.425	8.68
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	10	0.041	0.073	0.316	0.002	0.009	0.095	0.002	0.004	0.106	0.297
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	10	700.	915.	2600.	50.	686694.444	828.67	85.	400.	1300.	2560.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	10	2.845	2.78	3.415	1.699	0.227	0.477	1.789	2.602	3.086	3.408
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			602.26								

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Annual Analysis for 1972 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	6	24.15	23.717	26.1	20.6	4.966	2.228	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	8	7.1	7.25	8.6	6.	0.729	0.854	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	8	7.05	7.163	8.2	6.7	0.257	0.507	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	8	7.047	6.987	8.2	6.7	0.292	0.541	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	8	0.09	0.103	0.2	0.006	0.006	0.075	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	3	0.13	0.177	0.33	0.07	0.019	0.136	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	3	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	3	0.22	0.227	0.28	0.18	0.003	0.05	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	3	0.4	0.433	0.6	0.3	0.023	0.153	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	2	6.5	6.5	10.	3.	24.5	4.95	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	7	100.	442.857	2400.	50.	748690.476	865.269	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	7	2.	2.197	3.38	1.699	0.333	0.577	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			157.461								

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Annual Analysis for 1973 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	5	27.8	26.18	30.6	18.	22.992	4.795	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	5	8.8	9.76	15.	8.	8.708	2.951	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	5	7.5	7.52	8.5	6.2	0.737	0.858	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	5	7.5	6.844	8.5	6.2	1.308	1.144	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	5	0.032	0.143	0.631	0.003	0.075	0.273	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	4 ##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	4 ##	0.005	0.006	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	4	0.12	0.115	0.18	0.04	0.004	0.06	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	4	0.5	0.5	0.6	0.4	0.007	0.082	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	5 ##	50.	60.	100.	50.	500.	22.361	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	5 ##	1.699	1.759	2.	1.699	0.018	0.135	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			57.435								

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Annual Analysis for 1974 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	8	26.15	24.325	31.1	16.7	28.648	5.352	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	9	7.2	7.522	11.	6.	2.544	1.595	6.	6.2	8.25	11.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	9	7.2	7.289	8.	7.	0.129	0.359	7.	7.	7.55	8.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	9	7.2	7.189	8.	7.	0.14	0.374	7.	7.	7.55	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	9	0.063	0.065	0.1	0.01	0.001	0.037	0.01	0.03	0.1	0.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	8	0.1	0.194	0.6	0.05	0.039	0.197	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	8 ##	0.008	0.013	0.04	0.005	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	8	0.195	0.249	0.6	0.1	0.028	0.169	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	8	0.4	0.4	0.7	0.2	0.023	0.151	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	9 ##	50.	144.444	500.	50.	30902.778	175.792	50.	50.	250.	500.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	9 ##	1.699	1.944	2.699	1.699	0.171	0.413	1.699	1.699	2.301	2.699
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			87.876								

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Annual Analysis for 1975 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	5	20.	19.8	25.6	8.9	46.735	6.836	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	5	7.2	7.84	10.8	5.4	4.388	2.095	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	5	2.	2.4	3.	2.	0.3	0.548	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	5	7.	7.06	7.4	6.9	0.038	0.195	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	5	7.	7.031	7.4	6.9	0.039	0.198	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	5	0.1	0.093	0.126	0.04	0.001	0.032	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	3	6.8	6.867	7.2	6.6	0.093	0.306	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	3	6.8	6.802	7.2	6.6	0.1	0.315	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	3	0.158	0.158	0.251	0.063	0.009	0.094	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	3	33.	33.333	36.	31.	6.333	2.517	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	1	173.	173.	173.	173.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	5	12.	13.2	20.	4.	39.2	6.261	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	5	6.	7.6	14.	2.	26.8	5.177	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	5	4.	5.6	14.	0.	38.8	6.229	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	5	0.2	0.2	0.3	0.1	0.01	0.1	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	5 ##	0.005	0.009	0.02	0.005	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	5	0.33	0.358	0.47	0.29	0.006	0.079	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	5	0.5	0.46	0.7	0.3	0.028	0.167	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	5	8.	8.	9.	6.	1.5	1.225	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	4	150.	300.	800.	100.	113333.333	336.65	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	4	2.151	2.301	2.903	2.	0.181	0.426	**	**	**	**
31616p	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 1976 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	8	15.55	16.875	30.6	4.4	93.382	9.663	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	8	8.95	9.287	12.6	7.	3.49	1.868	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	7	3.	2.714	5.	1.	1.571	1.254	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	7	7.7	7.7	8.5	7.	0.21	0.458	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	7	7.7	7.513	8.5	7.	0.251	0.501	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	7	0.02	0.031	0.1	0.003	0.001	0.032	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	6	6.5	6.583	7.4	6.	0.326	0.571	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	6	6.5	6.339	7.4	6.	0.398	0.631	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	6	0.316	0.459	1.	0.04	0.189	0.435	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	6	33.	32.667	45.	21.	93.867	9.688	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	7	24.	26.	44.	14.	113.333	10.646	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	7	10.	10.	16.	4.	25.333	5.033	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	7	14.	16.	40.	2.	165.333	12.858	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	8 ##	0.075	0.113	0.2	0.05	0.006	0.074	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	8	0.02	0.021	0.05	0.005	0.	0.016	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	8	0.225	0.265	0.47	0.14	0.012	0.111	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	8	0.5	0.525	0.8	0.3	0.028	0.167	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	7	7.	7.571	11.	4.	5.286	2.299	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	8 ##	50.	268.75	1600.	50.	292098.214	540.461	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	8 ##	1.699	2.	3.204	1.699	0.285	0.534	**	**	**	**
31616p	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 1977 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	7	15.	11.714	24.	1.	96.735	9.835	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	7	8.	7.657	9.5	5.3	1.733	1.316	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	7	2.	2.071	3.	0.5	1.036	1.018	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	7	7.5	7.4	8.3	6.5	0.387	0.622	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	7	7.5	7.071	8.3	6.5	0.513	0.716	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	7	0.032	0.085	0.316	0.005	0.012	0.109	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	5	6.8	6.78	7.3	6.4	0.127	0.356	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	5	6.8	6.678	7.3	6.4	0.14	0.374	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	5	0.158	0.21	0.398	0.05	0.02	0.143	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	5	49.	42.4	58.	18.	266.3	16.319	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	7	20.	21.143	30.	13.	40.476	6.362	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	7	9.	6.143	10.	0.	19.143	4.375	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	7	18.	15.	24.	4.	47.667	6.904	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	7	0.1	0.143	0.2	0.1	0.003	0.053	**	**	**	**

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Annual Analysis for 1977 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	7	0.02	0.021	0.05	0.005	0.	0.017	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	3	0.26	0.33	0.55	0.18	0.038	0.195	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	7	0.5	0.571	1.	0.3	0.072	0.269	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	7	9.	9.	14.	6.	6.333	2.517	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	6	100.	300.	1300.	50.	243000.	492.95	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	6	2.	2.135	3.114	1.699	0.281	0.53	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			136.611								

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Annual Analysis for 1978 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	8	22.5	20.55	30.	0.4	94.32	9.712	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	8	7.95	9.	18.	5.9	14.983	3.871	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	8	2.	2.125	4.	1.	0.982	0.991	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	8	7.5	7.525	7.9	7.	0.065	0.255	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	8	7.5	7.45	7.9	7.	0.072	0.267	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	8	0.032	0.036	0.1	0.013	0.001	0.027	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	6	7.25	7.267	7.9	6.5	0.283	0.532	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	6	7.247	7.012	7.9	6.5	0.361	0.6	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	6	0.057	0.097	0.316	0.013	0.013	0.115	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	7	41.	39.	48.	19.	91.667	9.574	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	8	21.5	20.938	34.	0.5	103.46	10.172	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	8	7.5	6.063	10.	0.5	11.746	3.427	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	8	15.	14.938	24.	0.5	52.031	7.213	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	8	0.1	0.081	0.1	0.05	0.001	0.026	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	8	0.01	0.019	0.05	0.005	0.	0.016	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	2	0.16	0.16	0.24	0.08	0.013	0.113	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	8	0.35	0.35	0.5	0.2	0.009	0.093	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	7	9.	9.143	12.	7.	2.81	1.676	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	8	100.	212.5	900.	50.	83392.857	288.778	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	8	2.	2.104	2.954	1.699	0.176	0.42	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			126.959								

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Annual Analysis for 1979 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	8	13.25	13.438	25.5	3.	74.317	8.621	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	4	107.	102.	129.	65.	886.667	29.777	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	8	10.05	10.2	15.8	6.1	8.243	2.871	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	8	2.	1.75	3.	1.	0.5	0.707	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	4	15.	14.5	20.	8.	30.333	5.508	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	8	7.1	6.988	7.5	6.5	0.184	0.429	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	8	7.089	6.812	7.5	6.5	0.219	0.468	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	8	0.082	0.154	0.316	0.032	0.018	0.136	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	4	6.9	7.025	7.6	6.7	0.162	0.403	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	4	6.889	6.918	7.6	6.7	0.178	0.422	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	4	0.129	0.121	0.2	0.025	0.006	0.076	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	4	23.	22.5	30.	14.	59.667	7.724	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	4	95.5	95.	109.	80.	142.	11.916	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	4	26.	26.5	40.	14.	115.667	10.755	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	4	67.5	68.5	83.	56.	124.333	11.15	**	**	**	**

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Annual Analysis for 1979 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	8	19.	18.5	26.	8.	30.571	5.529	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	8	4.5	4.625	10.	2.	5.982	2.446	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	8	16.	13.875	24.	4.	41.268	6.424	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	8	0.1	0.094	0.2	0.05	0.002	0.05	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	8	0.01	0.014	0.04	0.005	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	4	0.245	0.243	0.33	0.15	0.005	0.074	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	8	0.4	0.413	0.6	0.3	0.013	0.113	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	4 ##	0.05	0.088	0.2	0.05	0.006	0.075	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	4	0.06	0.063	0.08	0.05	0.	0.015	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	8	9.	8.5	14.	1.	13.714	3.703	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	8	250.	387.5	1000.	100.	112678.571	335.676	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	8	2.389	2.448	3.	2.	0.14	0.374	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			280.57								

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Annual Analysis for 1980 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	12	19.75	19.	30.	5.	95.864	9.791	5.15	10.25	29.	30.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	12	135.	154.583	298.	82.	4265.538	65.311	82.3	112.	209.5	275.5
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	12	8.8	9.167	12.8	6.5	3.066	1.751	6.74	8.075	10.55	12.29
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	12	3.	3.25	7.	2.	2.568	1.603	2.	2.	4.5	6.4
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	12	17.	15.083	22.	2.	37.538	6.127	3.2	12.25	20.25	21.7
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	12	7.55	7.717	9.	6.5	0.443	0.666	6.68	7.35	8.225	8.85
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	12	7.547	7.3	9.	6.5	0.632	0.795	6.68	7.35	8.225	8.85
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	12	0.028	0.05	0.316	0.001	0.008	0.087	0.002	0.006	0.045	0.245
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	25.	24.667	47.	7.	120.606	10.982	7.9	16.	32.	42.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	12	8.	7.333	14.	0.	13.879	3.725	0.9	5.	9.75	13.1
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	17.5	17.333	37.	5.	76.242	8.732	5.6	10.25	22.25	33.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	12 ##	0.075	0.2	1.	0.05	0.073	0.271	0.05	0.05	0.275	0.79
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.01	0.018	0.07	0.005	0.	0.019	0.005	0.006	0.028	0.058
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.235	0.263	0.77	0.025	0.036	0.189	0.033	0.175	0.325	0.647
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	12	0.55	0.592	1.3	0.2	0.097	0.312	0.23	0.325	0.825	1.18
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	12	0.1	0.108	0.2	0.05	0.002	0.047	0.05	0.1	0.1	0.2
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	12	0.035	0.039	0.07	0.03	0.	0.012	0.03	0.03	0.048	0.064
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	12	10.	10.083	13.	7.	3.356	1.832	7.3	9.	11.75	12.7
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	12 ##	50.	137.5	400.	50.	16420.455	128.142	50.	50.	275.	370.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	12 ##	1.699	1.979	2.602	1.699	0.14	0.374	1.699	1.699	2.433	2.565
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			95.318								

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Annual Analysis for 1981 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	12	15.75	15.75	28.	5.5	74.705	8.643	5.65	7.25	25.25	27.7
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	12	185.5	203.583	392.	117.	6120.629	78.234	117.3	138.75	247.5	354.5
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	12	8.7	8.942	11.5	6.8	1.99	1.411	7.04	7.7	10.025	11.26
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	11	4.	3.545	5.	2.	0.673	0.82	2.2	3.	4.	4.8

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Annual Analysis for 1981 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	12	19.	21.	40.	12.	75.636	8.697	12.3	14.25	24.5	38.2
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	12	7.3	7.517	8.7	6.3	0.698	0.835	6.36	6.85	8.475	8.67
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	12	7.289	6.974	8.7	6.3	1.019	1.009	6.36	6.85	8.475	8.67
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	12	0.051	0.106	0.501	0.002	0.024	0.154	0.002	0.004	0.144	0.446
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	28.5	31.25	64.	18.	155.114	12.454	18.9	22.25	34.75	57.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	12	7.	7.167	11.	3.	5.788	2.406	3.6	5.25	9.75	10.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	18.5	24.083	54.	15.	130.083	11.405	15.	15.5	29.5	47.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.3	0.454	2.4	0.05	0.431	0.657	0.05	0.063	0.4	1.95
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.035	0.041	0.08	0.01	0.001	0.023	0.013	0.02	0.065	0.077
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.45	0.453	0.9	0.025	0.05	0.224	0.093	0.295	0.575	0.84
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	12	0.8	1.083	4.2	0.5	1.007	1.003	0.5	0.7	0.9	3.33
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	12	0.1	0.204	1.	0.05	0.067	0.26	0.065	0.1	0.2	0.79
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	12	0.09	0.118	0.22	0.05	0.004	0.066	0.05	0.06	0.178	0.22
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	12	9.5	10.5	21.	5.	17.545	4.189	5.6	7.5	12.75	18.9
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	12 ##	75.	141.667	500.	50.	19469.697	139.534	50.	50.	200.	440.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	12 ##	1.849	1.998	2.699	1.699	0.131	0.362	1.699	1.699	2.301	2.632
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			99.464								

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

Annual Analysis for 1982 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	12	18.5	16.333	28.	3.	77.879	8.825	3.45	7.25	24.25	27.4
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	12	111.	114.083	210.	6.	2548.447	50.482	27.	91.75	146.	197.1
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	12	9.2	8.842	11.2	6.4	2.484	1.576	6.43	7.7	10.3	10.99
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	12	2.	3.083	6.	1.	3.72	1.929	1.	2.	5.5	6.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	12	22.5	19.917	27.	1.	54.265	7.366	4.6	17.	25.	26.7
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	12	7.	7.058	8.7	6.3	0.403	0.635	6.36	6.575	7.4	8.34
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	12	7.	6.802	8.7	6.3	0.475	0.689	6.36	6.575	7.4	8.34
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	12	0.1	0.158	0.501	0.002	0.022	0.148	0.011	0.044	0.277	0.446
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	1	104.	104.	104.	104.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	29.5	33.917	65.	8.	345.538	18.589	10.7	20.	51.	64.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	12	6.5	7.833	17.	2.	26.152	5.114	2.3	3.25	12.5	16.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	23.5	26.083	50.	4.	201.174	14.184	7.	15.25	40.5	48.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.1	0.133	0.3	0.05	0.009	0.096	0.05	0.05	0.2	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.025	0.035	0.15	0.005	0.002	0.039	0.007	0.01	0.048	0.12
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.235	0.218	0.42	0.025	0.013	0.115	0.027	0.143	0.288	0.39
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	12	0.5	0.55	0.8	0.3	0.028	0.168	0.33	0.4	0.7	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	12	0.1	0.121	0.2	0.05	0.002	0.05	0.065	0.1	0.175	0.2
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	12	0.06	0.071	0.2	0.04	0.002	0.043	0.043	0.05	0.078	0.164
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	12	9.	7.917	13.	3.	7.72	2.778	3.	6.5	9.	11.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	12 ##	50.	116.667	300.	0.	11060.606	105.169	15.	50.	200.	300.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	12 ##	1.699	1.813	2.477	0.	0.433	0.658	0.51	1.699	2.301	2.477
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			64.94								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	11	12.	14.864	29.	4.5	68.355	8.268	4.7	8.	22.5	28.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	11	120.	148.273	361.	61.	8888.218	94.277	62.8	78.	233.	337.2
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	11	10.	9.436	12.	7.1	2.795	1.672	7.24	7.9	10.8	11.76
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	11	2.	2.545	5.	1.	1.673	1.293	1.	2.	4.	4.8
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	11	17.	18.	35.	9.	51.	7.141	9.4	12.	22.	32.4
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	11	7.	7.073	7.5	6.5	0.144	0.38	6.54	6.8	7.5	7.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	11	7.	6.934	7.5	6.5	0.165	0.407	6.54	6.8	7.5	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	11	0.1	0.116	0.316	0.032	0.008	0.092	0.032	0.032	0.158	0.293
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	11	28.	24.273	35.	12.	50.818	7.129	12.4	19.	29.	34.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	11	6.	6.091	13.	2.	11.691	3.419	2.	3.	7.	12.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	11	21.	18.182	25.	6.	40.564	6.369	6.4	14.	23.	24.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.1	0.145	0.4	0.05	0.01	0.101	0.05	0.1	0.2	0.36
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.01	0.041	0.16	0.005	0.003	0.056	0.005	0.01	0.06	0.156
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.31	0.34	0.96	0.15	0.048	0.22	0.154	0.19	0.33	0.85
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	11	0.5	0.7	1.6	0.3	0.192	0.438	0.3	0.4	1.	1.54
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	11	0.1	0.082	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	11	0.06	0.059	0.08	0.02	0.	0.016	0.026	0.05	0.07	0.078
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	11	7.	7.727	13.	2.	8.418	2.901	2.8	6.	10.	12.4
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11 ##	50.	272.727	2000.	50.	338681.818	581.964	50.	50.	100.	1680.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11 ##	1.699	2.009	3.301	1.699	0.26	0.51	1.699	1.699	2.	3.161
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			102.049								

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

Annual Analysis for 1984 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	31	20.	17.968	29.	3.	57.649	7.593	6.	11.5	24.5	26.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	11	0.6	0.59	0.8	0.3	0.017	0.129	0.34	0.5	0.69	0.78
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	30	128.5	128.1	220.	57.	2875.403	53.623	60.	78.75	185.	198.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	21	8.9	8.448	10.8	6.1	2.181	1.477	6.18	6.9	9.4	10.68
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	10	9.2	9.11	13.2	4.4	6.705	2.589	4.65	6.9	11.45	13.04
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	10	2.	2.1	3.	1.	0.322	0.568	1.1	2.	2.25	3.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	10	14.5	15.6	29.	4.	50.711	7.121	4.7	11.	19.75	28.6
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	21	6.7	6.755	8.	5.5	0.362	0.601	6.04	6.3	7.15	7.572
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	21	6.7	6.388	8.	5.5	0.503	0.709	6.04	6.3	7.15	7.572
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	21	0.2	0.409	3.162	0.01	0.466	0.683	0.027	0.071	0.515	0.926
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	10	18.	20.5	57.	6.	184.5	13.583	6.8	14.75	20.5	53.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	10	5.5	5.5	10.	1.	6.5	2.55	1.2	3.75	7.25	9.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	10	12.	15.	50.	5.	165.556	12.867	5.2	7.75	15.25	46.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.07	0.1	0.27	0.025	0.006	0.078	0.026	0.05	0.11	0.26
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.155	0.167	0.5	0.05	0.018	0.135	0.05	0.05	0.203	0.471
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.02	0.029	0.1	0.005	0.001	0.03	0.005	0.005	0.05	0.09
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.02	0.026	0.07	0.01	0.	0.02	0.01	0.01	0.035	0.068
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	7	0.16	0.229	0.6	0.05	0.04	0.199	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.285	0.33	0.53	0.16	0.018	0.135	0.161	0.223	0.48	0.525
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	21	0.6	0.617	1.08	0.3	0.041	0.202	0.36	0.5	0.7	0.978
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	20	0.11	0.126	0.2	0.05	0.002	0.045	0.055	0.1	0.165	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	11	0.05	0.056	0.11	0.03	0.001	0.027	0.03	0.03	0.08	0.106
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	21	0.06	0.063	0.17	0.01	0.002	0.042	0.02	0.035	0.08	0.154
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	21	7.	7.571	13.	5.	5.957	2.441	5.	6.	9.	12.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/13/89	9	12840.	13000.	18440.	6300.	26890700.	5185.624	6300.	7700.	17960.	18440.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11	100.	218.182	1000.	50.	86636.364	294.341	50.	50.	300.	900.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11	2.	2.088	3.	1.699	0.199	0.446	1.699	1.699	2.477	2.94
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			122.563								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	66	21.5	18.527	28.	1.	56.408	7.511	9.	13.	24.	27.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	17	0.5	0.515	0.8	0.2	0.02	0.14	0.28	0.425	0.6	0.68
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	67	114.	126.701	250.	45.	3008.819	54.853	58.	80.	170.	192.2
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	57	0.	0.005	0.1	0.	0.001	0.023	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	57	8.7	8.963	14.6	6.4	3.898	1.974	6.5	7.15	10.	11.2
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	25	8.7	8.964	14.4	6.1	4.919	2.218	6.22	7.2	9.95	12.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	10	2.	2.3	5.	1.	1.789	1.337	1.	1.	3.25	4.9
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	10	14.5	14.6	20.	10.	12.267	3.502	10.	11.5	17.	20.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	28	7.35	7.286	8.91	5.7	0.511	0.715	6.27	7.025	7.753	8.083
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	28	7.347	6.706	8.91	5.7	0.859	0.927	6.27	7.025	7.753	8.083
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	28	0.045	0.197	1.995	0.001	0.173	0.416	0.008	0.018	0.095	0.551
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	1	103.	103.	103.	103.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	10	27.	25.7	41.	9.	94.9	9.742	9.7	17.5	32.75	40.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	10	7.	6.9	13.	3.	10.322	3.213	3.1	4.	9.	12.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	10	17.5	18.8	32.	5.	62.622	7.913	5.7	14.25	25.5	31.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	18	0.075	0.079	0.2	0.025	0.003	0.054	0.025	0.025	0.1	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	9	0.2	0.172	0.4	0.05	0.011	0.103	0.05	0.1	0.2	0.4
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	18	0.02	0.026	0.14	0.005	0.001	0.034	0.005	0.005	0.023	0.086
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	9	0.02	0.034	0.14	0.01	0.002	0.041	0.01	0.01	0.04	0.14
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	18	0.155	0.211	0.46	0.05	0.014	0.119	0.104	0.12	0.298	0.424
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	9	0.34	0.308	0.46	0.12	0.012	0.108	0.12	0.235	0.395	0.46
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	25	0.7	0.756	1.4	0.3	0.064	0.253	0.46	0.6	0.9	1.14
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	25	0.12	0.173	1.5	0.05	0.078	0.28	0.056	0.08	0.145	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	18	0.03	0.037	0.07	0.01	0.	0.018	0.019	0.02	0.043	0.07
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	27	0.04	0.042	0.13	0.005	0.001	0.034	0.005	0.01	0.07	0.092
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	28	6.5	6.321	11.	3.	3.856	1.964	4.	5.	8.	9.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/13/89	18	5900.	7277.5	18480.	5.	32392024.265	5691.399	9.5	2850.	11025.	17508.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	28	96.5	424.5	4600.	15.	932274.852	965.544	22.2	50.	230.	1760.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	28	1.984	2.097	3.663	1.176	0.369	0.608	1.343	1.699	2.362	3.244
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			125.083								

** - 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

Annual Analysis for 1986 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	73	22.	18.484	31.	2.	81.173	9.01	4.5	10.5	26.5	29.38
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	19	0.5	0.532	0.9	0.2	0.033	0.183	0.3	0.4	0.7	0.7
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	73	140.	159.342	400.	6.	8519.173	92.299	57.	70.	243.	286.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	58	0.	0.06	2.	0.	0.088	0.297	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	55	9.2	8.973	12.1	5.3	3.508	1.873	6.32	7.3	10.5	11.32
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	32	9.1	9.012	14.6	4.9	4.877	2.208	6.07	7.125	10.575	11.94
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	12	3.	2.583	4.	1.	0.992	0.996	1.	2.	3.	4.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	12	14.5	12.875	17.	0.5	25.188	5.019	2.15	11.25	16.75	17.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	32	7.8	7.652	8.75	5.9	0.456	0.676	6.736	7.205	7.998	8.65
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	32	7.8	7.073	8.75	5.9	0.803	0.896	6.736	7.205	7.998	8.65
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	32	0.016	0.085	1.259	0.002	0.051	0.225	0.002	0.01	0.062	0.185
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	22.	20.333	40.	5.	110.242	10.5	6.2	10.75	26.75	37.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	12	7.5	6.625	12.	2.	11.142	3.338	2.15	3.	9.5	11.4

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

Annual Analysis for 1986 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	11	13.	14.545	32.	0.	83.073	9.114	1.4	7.	21.	30.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	21	0.05	0.159	0.6	0.025	0.031	0.177	0.025	0.038	0.25	0.54
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.25	0.275	0.9	0.05	0.06	0.244	0.05	0.1	0.375	0.78
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	21	0.03	0.035	0.14	0.005	0.001	0.037	0.005	0.005	0.055	0.102
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.03	0.055	0.25	0.005	0.005	0.072	0.005	0.006	0.085	0.211
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	21	0.26	0.317	1.3	0.025	0.072	0.269	0.046	0.205	0.32	0.65
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.25	0.383	1.23	0.13	0.096	0.311	0.133	0.23	0.51	1.056
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	33	0.9	0.906	1.7	0.3	0.112	0.334	0.54	0.6	1.1	1.36
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	33	0.13	0.156	0.5	0.05	0.008	0.091	0.074	0.095	0.2	0.28
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	21	0.04	0.05	0.22	0.01	0.003	0.053	0.012	0.02	0.04	0.16
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	31	0.05	0.051	0.18	0.005	0.002	0.047	0.01	0.02	0.06	0.146
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	33	7.	6.818	9.	5.	1.153	1.074	5.	6.	8.	8.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/13/89	21	8700.	7652.381	17500.	100.	34080619.048	5837.861	240.	1100.	13000.	15400.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	29	90.	213.379	2300.	15.	176288.672	419.867	50.	50.	230.	390.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	29	1.954	2.028	3.362	1.176	0.208	0.456	1.699	1.699	2.362	2.591
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			106.543								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	58	17.2	17.933	31.	3.	85.385	9.24	4.4	9.175	26.725	29.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	15	0.6	0.833	5.	0.3	1.34	1.157	0.36	0.5	0.6	2.42
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	57	100.	126.333	310.	45.	6362.226	79.764	45.	78.	167.	280.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	45	9.	9.469	12.6	5.8	4.838	2.199	6.22	7.75	11.9	12.42
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	28	9.2	9.239	13.2	5.7	4.433	2.105	6.43	7.425	11.075	12.32
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	12	2.5	2.583	4.	1.	0.811	0.9	1.3	2.	3.	4.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	12	18.5	18.5	27.	11.	16.818	4.101	11.6	17.	20.75	25.5
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	29	7.72	7.633	8.52	4.45	0.521	0.722	7.2	7.385	7.95	8.35
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	29	7.72	5.904	8.52	4.45	3.617	1.902	7.2	7.385	7.95	8.35
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	29	0.019	1.248	35.481	0.003	43.35	6.584	0.004	0.011	0.041	0.063
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	18.5	17.333	33.	2.5	85.47	9.245	2.5	12.25	22.25	32.1
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	12	6.	4.958	10.	0.	8.157	2.856	0.75	2.5	6.75	9.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	12	13.5	12.875	26.	2.5	52.46	7.243	3.25	6.	17.75	24.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.05	0.08	0.21	0.025	0.005	0.068	0.025	0.025	0.125	0.21
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.1	0.158	0.4	0.05	0.011	0.106	0.05	0.1	0.2	0.37
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.01	0.029	0.13	0.005	0.002	0.041	0.005	0.005	0.035	0.13
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.02	0.045	0.16	0.005	0.003	0.059	0.005	0.006	0.088	0.157
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.19	0.21	0.47	0.025	0.015	0.121	0.077	0.11	0.3	0.43
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	12	0.235	0.259	0.54	0.08	0.017	0.13	0.095	0.175	0.318	0.51
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	29	0.8	0.755	1.1	0.4	0.057	0.238	0.4	0.5	0.95	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	29	0.11	0.125	0.2	0.05	0.002	0.048	0.06	0.1	0.16	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	17	0.03	0.028	0.06	0.01	0.	0.013	0.01	0.02	0.04	0.044
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	28	0.03	0.039	0.11	0.01	0.001	0.027	0.01	0.013	0.06	0.071
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	21	7.	6.524	10.	4.	1.762	1.327	5.	6.	7.	8.6
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/13/89	17	9600.	7823.529	12000.	1300.	13929411.765	3732.213	1860.	3850.	10650.	11600.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	12 ##	75.	225.	900.	50.	75227.273	274.276	50.	50.	450.	780.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	12 ##	1.849	2.085	2.954	1.699	0.234	0.484	1.699	1.699	2.644	2.878
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			121.692								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	33	21.9	19.191	32.	4.	69.607	8.343	5.18	12.9	25.85	28.64
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	9	0.4	0.394	0.5	0.3	0.005	0.073	0.3	0.325	0.45	0.5
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	33	176.	184.606	337.	88.	3805.746	61.691	114.4	135.5	229.	277.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	1	225.	225.	225.	225.	0.	0.	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	22	8.65	8.677	11.5	6.7	2.831	1.683	6.73	7.075	10.325	11.23
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	11	9.6	9.955	13.1	7.6	4.087	2.022	7.62	7.9	11.8	12.92
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	10	2.5	3.	5.	2.	1.556	1.247	2.	2.	4.25	5.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	11	14.	13.636	17.	8.	8.655	2.942	8.4	12.	16.	17.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	21	7.67	7.742	8.61	7.22	0.166	0.408	7.264	7.425	7.93	8.448
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	21	7.67	7.598	8.61	7.22	0.188	0.433	7.264	7.425	7.93	8.448
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	21	0.021	0.025	0.06	0.002	0.	0.018	0.004	0.012	0.038	0.055
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	21	26.	25.714	40.	8.	87.714	9.366	10.8	18.5	33.	38.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	21	9.	7.524	12.	2.	11.662	3.415	2.	4.	10.5	11.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	21	17.	18.19	29.	5.	45.162	6.72	8.	13.5	23.5	28.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	10 ##	0.035	0.148	0.75	0.02	0.053	0.23	0.02	0.02	0.233	0.702
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.15	0.141	0.3	0.02	0.009	0.094	0.024	0.05	0.21	0.296
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	10	0.02	0.022	0.05	0.005	0.	0.013	0.006	0.01	0.03	0.048
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.04	0.059	0.16	0.01	0.003	0.052	0.01	0.02	0.1	0.156
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	10	0.215	0.273	0.57	0.06	0.03	0.172	0.065	0.125	0.415	0.562
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.26	0.395	1.54	0.08	0.165	0.406	0.09	0.2	0.45	1.352
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	21	0.9	0.929	1.4	0.5	0.065	0.255	0.6	0.705	1.1	1.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	21	0.15	0.142	0.3	0.05	0.005	0.068	0.05	0.085	0.2	0.208
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	10	0.02	0.03	0.12	0.005	0.001	0.033	0.006	0.018	0.025	0.112
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	21	0.04	0.043	0.12	0.005	0.001	0.033	0.01	0.02	0.065	0.112
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	18	5.4	5.172	6.5	3.1	0.808	0.899	3.37	4.7	5.75	6.32
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	2	35.5	35.5	37.	34.	4.5	2.121	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/13/89	10	5200.	5500.	12000.	200.	15280000.	3908.964	260.	1850.	9125.	11750.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11	100.	104.545	200.	50.	4227.273	65.017	50.	50.	200.	200.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11	2.	1.945	2.301	1.699	0.069	0.263	1.699	1.699	2.301	2.301
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			88.159								

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

Annual Analysis for 1989 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	24	11.9	13.3	29.3	1.3	58.029	7.618	5.75	6.4	17.4	26.35
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	11	18.8	22.9	70.	8.2	281.542	16.779	8.78	14.8	26.	62.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	5	0.5	0.42	0.6	0.2	0.027	0.164	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	19	102.	99.947	185.	10.	1194.608	34.563	72.	88.	111.	142.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	6	100.	108.667	196.	71.	2043.467	45.205	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	12	10.7	10.875	11.8	10.	0.346	0.588	10.03	10.625	11.525	11.77
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	12	9.2	9.342	14.1	6.2	5.419	2.328	6.38	7.25	10.7	13.38
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	11	2.	2.364	3.	1.	0.455	0.674	1.2	2.	3.	3.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	12	16.	16.5	31.	7.	53.909	7.342	7.3	9.25	20.	29.5
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	17	7.29	7.322	7.8	6.8	0.077	0.277	6.8	7.21	7.51	7.752
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	17	7.29	7.236	7.8	6.8	0.084	0.291	6.8	7.21	7.51	7.752
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	17	0.051	0.058	0.158	0.016	0.002	0.042	0.018	0.031	0.062	0.158
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	12	7.05	7.167	7.6	6.8	0.066	0.257	6.83	7.	7.4	7.54
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	12	7.047	7.102	7.6	6.8	0.071	0.266	6.83	7.	7.4	7.54
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	12	0.09	0.079	0.158	0.025	0.002	0.042	0.03	0.04	0.1	0.149
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	12	31.	32.583	49.	16.	92.265	9.605	18.4	27.	39.5	48.7
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	9	114.	113.889	141.	78.	324.361	18.01	78.	105.	126.5	141.

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Annual Analysis for 1989 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	9	31.	31.556	44.	19.	64.528	8.033	19.	26.	39.5	44.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	9	85.	93.444	169.	59.	965.028	31.065	59.	78.	100.5	169.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	16	20.	20.688	52.	8.	121.163	11.007	8.7	12.25	26.25	37.3
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	16	4.5	4.813	14.	1.	8.563	2.926	1.7	3.25	5.75	9.1
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	16	15.	15.875	38.	4.	83.45	9.135	5.4	7.75	22.	31.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	5	0.15	0.216	0.43	0.06	0.025	0.157	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.2	0.227	0.61	0.07	0.027	0.165	0.072	0.09	0.31	0.572
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	5 ##	0.005	0.009	0.02	0.005	0.	0.007	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.02	0.02	0.07	0.005	0.	0.018	0.006	0.01	0.02	0.062
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	5	0.23	0.234	0.27	0.18	0.001	0.035	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	11	0.25	0.267	0.4	0.06	0.01	0.1	0.086	0.21	0.36	0.396
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	16	0.7	0.731	1.1	0.5	0.026	0.162	0.5	0.6	0.875	0.96
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	17	0.1	0.111	0.2	0.05	0.002	0.05	0.05	0.08	0.14	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	5	0.03	0.031	0.05	0.005	0.	0.017	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	16	0.04	0.047	0.1	0.01	0.001	0.028	0.01	0.03	0.07	0.093
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	16	5.8	5.75	7.5	4.2	1.157	1.076	4.27	4.7	6.45	7.36
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	10	35.	37.4	56.	26.	97.822	9.891	26.	30.5	45.5	55.4
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	10	7.	8.3	16.	3.	15.789	3.974	3.2	5.75	11.5	15.7
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	10	9.	9.7	17.	4.	15.567	3.945	4.1	7.25	12.5	16.7
00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-05/26/93	10	0.1	0.097	0.14	0.05	0.001	0.035	0.05	0.05	0.13	0.139
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	7	13.	13.214	15.8	10.4	2.871	1.695	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/13/89	5	10500.	11500.	14500.	9500.	4625000.	2150.581	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11	200.	1300.	8000.	50.	6549500.	2559.199	50.	100.	600.	7280.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11	2.301	2.457	3.903	1.699	0.548	0.741	1.699	2.	2.778	3.851
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			286.218								

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Annual Analysis for 1990 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	62	20.7	20.606	31.8	8.4	46.896	6.848	9.6	15.2	27.525	28.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	12	24.5	25.642	47.	8.3	140.048	11.834	8.93	16.45	35.25	45.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	18	0.5	0.517	0.7	0.3	0.013	0.115	0.39	0.4	0.6	0.7
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	53	106.	131.792	230.	78.	2381.591	48.802	80.8	92.	169.5	218.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	31	105.	127.226	363.	70.	4004.181	63.279	77.2	82.	153.	214.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	53	8.	8.232	11.7	5.1	2.744	1.656	6.1	7.2	9.6	10.6
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	9	7.9	8.378	11.5	6.1	4.024	2.006	6.1	6.6	10.3	11.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	12	3.	2.5	4.	1.	1.545	1.243	1.	1.	3.75	4.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	18	16.	16.667	28.	11.	24.706	4.971	11.	13.	19.	25.3
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	28	7.17	7.18	7.71	6.74	0.054	0.231	6.877	7.028	7.35	7.455
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	28	7.17	7.125	7.71	6.74	0.057	0.238	6.877	7.028	7.35	7.455
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	28	0.068	0.075	0.182	0.019	0.001	0.038	0.036	0.045	0.094	0.133
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	13	6.9	6.946	7.3	6.5	0.081	0.285	6.54	6.7	7.25	7.3
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	13	6.9	6.863	7.3	6.5	0.088	0.297	6.54	6.7	7.25	7.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	13	0.126	0.137	0.316	0.05	0.007	0.086	0.05	0.057	0.2	0.29
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	13	28.	30.923	53.	18.	122.744	11.079	18.4	22.5	41.5	49.8
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	12	103.	116.833	212.	80.	1673.788	40.912	80.	88.	140.25	200.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	12	28.5	28.75	58.	4.	169.659	13.025	8.5	20.75	35.75	52.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	12	76.	88.083	154.	57.	1036.629	32.197	57.9	65.	113.	149.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	31	23.	23.032	51.	6.	68.166	8.256	14.6	18.	28.	32.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	31	6.	6.097	13.	0.5	12.207	3.494	1.2	4.	8.	11.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	31	17.	16.968	38.	6.	50.299	7.092	6.2	13.	20.	26.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	19	0.09	0.109	0.29	0.02	0.006	0.076	0.02	0.06	0.15	0.23
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.1	0.121	0.3	0.02	0.008	0.088	0.02	0.05	0.17	0.293
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	19	0.02	0.022	0.14	0.005	0.001	0.03	0.005	0.005	0.02	0.04

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Annual Analysis for 1990 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.02	0.035	0.14	0.005	0.002	0.039	0.006	0.018	0.035	0.131
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	19	0.22	0.233	0.48	0.12	0.01	0.099	0.13	0.16	0.29	0.42
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.245	0.287	0.48	0.13	0.012	0.11	0.138	0.21	0.36	0.477
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	30	0.6	0.67	1.1	0.3	0.042	0.205	0.41	0.5	0.8	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	30	0.1	0.102	0.2	0.05	0.001	0.032	0.061	0.08	0.123	0.14
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	20	0.02	0.021	0.05	0.005	0.	0.012	0.01	0.01	0.03	0.039
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	30	0.02	0.027	0.07	0.005	0.	0.019	0.006	0.01	0.043	0.05
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	30	4.8	5.09	8.8	2.1	2.464	1.57	3.11	4.075	6.025	7.45
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	11	34.	90.909	600.	26.	28697.291	169.403	26.2	30.	56.	494.
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	12	7.	8.083	20.	4.	23.72	4.87	4.	4.25	9.5	18.5
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	12	8.5	10.417	22.	5.	34.083	5.838	5.3	6.25	12.25	22.
00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-05/26/93	12 ##	0.075	0.088	0.16	0.025	0.002	0.048	0.033	0.05	0.14	0.157
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	31	11.	9.952	18.3	1.1	18.055	4.249	2.82	6.9	12.6	14.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	9	100.	116.667	300.	50.	6875.	82.916	50.	50.	150.	300.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	9	2.	1.986	2.477	1.699	0.074	0.271	1.699	1.699	2.151	2.477
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			96.854								

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Annual Analysis for 1991 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	63	20.2	19.263	29.9	6.4	60.799	7.797	8.24	11.7	27.	27.9
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	12	28.5	32.433	75.	8.2	417.381	20.43	10.84	17.5	36.	73.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	18	0.5	0.533	0.9	0.2	0.027	0.164	0.29	0.475	0.6	0.81
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	54	137.	156.296	362.	65.	4509.76	67.155	89.5	108.75	196.25	222.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	18	130.	138.389	232.	80.	2453.31	49.531	81.8	87.75	178.75	221.2
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	54	9.7	9.306	11.8	5.5	2.391	1.546	7.15	8.325	10.3	11.3
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	9	9.4	9.089	11.5	5.5	2.991	1.729	5.5	8.2	10.1	11.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	11	2.	2.818	5.	1.	1.764	1.328	1.2	2.	4.	5.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	11	18.	18.	30.	2.	89.4	9.455	2.8	11.	27.	30.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	29	7.01	7.119	7.59	6.7	0.069	0.264	6.81	6.955	7.275	7.59
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	29	7.01	7.052	7.59	6.7	0.074	0.272	6.81	6.955	7.275	7.59
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	29	0.098	0.089	0.2	0.026	0.002	0.047	0.026	0.053	0.111	0.155
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	11	7.1	7.218	7.7	6.8	0.096	0.309	6.82	7.	7.6	7.68
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	11	7.1	7.13	7.7	6.8	0.104	0.323	6.82	7.	7.6	7.68
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	11	0.079	0.074	0.158	0.02	0.002	0.045	0.021	0.025	0.1	0.152
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	11	42.	42.364	73.	21.	182.055	13.493	22.6	36.	50.	68.4
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	11	130.	133.636	193.	88.	1081.855	32.892	89.2	104.	156.	189.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	11	32.	32.545	63.	15.	174.073	13.194	16.2	24.	34.	60.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	11	106.	96.545	130.	29.	972.473	31.184	35.8	70.	124.	129.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	31	29.	29.581	82.	12.	174.318	13.203	14.6	20.	35.	43.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	31	7.	6.097	12.	3.	5.957	2.441	3.	3.	8.	9.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	31	21.	23.516	70.	9.	132.591	11.515	11.6	17.	28.	37.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	20	0.07	0.117	0.78	0.02	0.029	0.172	0.02	0.02	0.133	0.274
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.1	0.103	0.26	0.02	0.007	0.086	0.02	0.02	0.158	0.255
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	20 ##	0.008	0.019	0.06	0.005	0.	0.018	0.005	0.005	0.038	0.049
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.015	0.024	0.06	0.01	0.	0.018	0.01	0.01	0.035	0.059
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	20	0.25	0.24	0.61	0.02	0.016	0.128	0.11	0.143	0.3	0.368
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.255	0.245	0.36	0.13	0.007	0.082	0.13	0.16	0.313	0.359
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	30	0.8	0.763	1.6	0.4	0.062	0.25	0.41	0.6	0.9	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	30	0.105	0.119	0.22	0.05	0.002	0.041	0.08	0.1	0.133	0.199
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	20	0.025	0.027	0.05	0.01	0.	0.011	0.011	0.02	0.03	0.049
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	30	0.03	0.027	0.06	0.005	0.	0.017	0.006	0.01	0.04	0.059
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	31	4.3	4.6	11.6	3.	2.636	1.624	3.1	3.6	5.1	6.38
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	11	56.	59.727	110.	26.	531.218	23.048	28.4	45.	64.	105.6

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

Annual Analysis for 1991 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	11	11.	10.818	22.	4.	38.364	6.194	4.	5.	13.	21.8
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	11	13.	14.545	24.	5.	40.273	6.346	5.6	10.	21.	24.
00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-05/26/93	11	0.14	0.134	0.21	0.05	0.003	0.053	0.05	0.1	0.17	0.208
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	31	7.9	8.048	19.7	1.5	21.683	4.656	2.48	4.	11.	15.12
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	10 ##	50.	160.	600.	50.	36555.556	191.195	50.	50.	250.	580.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	10 ##	1.699	1.988	2.778	1.699	0.178	0.422	1.699	1.699	2.376	2.761
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			97.164								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	48	18.1	17.106	30.9	4.5	65.83	8.114	5.2	10.025	24.6	27.47
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	10	22.	27.88	64.	14.	244.553	15.638	14.04	17.4	36.5	62.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	14	0.55	0.536	0.8	0.3	0.018	0.134	0.35	0.4	0.6	0.75
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	42	131.5	147.095	268.	82.	2799.796	52.913	89.6	109.5	187.25	235.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	9	107.	124.778	203.	88.	1621.694	40.27	88.	96.	156.5	203.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	46	9.1	9.143	13.	5.3	4.317	2.078	6.2	7.55	10.425	12.4
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	2	9.85	9.85	10.	9.7	0.045	0.212	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	10	1.5	2.1	4.	1.	1.656	1.287	1.	1.	3.25	4.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	9	18.	20.889	55.	11.	176.361	13.28	11.	13.5	21.	55.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	22	7.12	7.	7.83	6.29	0.168	0.41	6.323	6.633	7.2	7.569
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	22	7.12	6.819	7.83	6.29	0.203	0.45	6.323	6.632	7.2	7.569
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	22	0.076	0.152	0.513	0.015	0.023	0.15	0.028	0.063	0.234	0.478
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	10	7.4	7.41	7.9	6.8	0.137	0.37	6.82	7.15	7.8	7.89
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	10	7.389	7.271	7.9	6.8	0.158	0.398	6.82	7.15	7.8	7.89
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	10	0.041	0.054	0.158	0.013	0.002	0.046	0.013	0.016	0.072	0.153
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	10	30.5	32.8	47.	15.	110.622	10.518	15.9	25.5	43.5	46.8
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	10	115.	116.7	144.	90.	344.456	18.56	90.7	100.	135.25	143.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	10	29.5	30.8	39.	25.	23.956	4.894	25.1	26.75	36.25	38.8
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	10	83.5	85.9	113.	64.	252.544	15.892	64.6	71.5	99.5	112.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	25	24.	25.04	37.	14.	40.623	6.374	18.	19.5	31.	34.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	25	5.	5.2	9.	3.	3.167	1.78	3.	4.	7.	8.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	25	19.	19.84	30.	11.	28.557	5.344	13.6	16.	25.	28.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	15	0.08	0.089	0.26	0.02	0.006	0.076	0.02	0.02	0.15	0.212
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	10 ##	0.055	0.077	0.18	0.02	0.004	0.066	0.02	0.02	0.153	0.178
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	15	0.01	0.017	0.05	0.005	0.	0.015	0.005	0.005	0.03	0.044
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.02	0.026	0.06	0.01	0.	0.02	0.01	0.01	0.05	0.059
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	15	0.24	0.25	0.47	0.02	0.02	0.14	0.02	0.14	0.34	0.464
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.27	0.25	0.47	0.02	0.027	0.165	0.02	0.11	0.378	0.469
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	25	0.7	0.684	0.9	0.4	0.028	0.168	0.46	0.5	0.8	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	25	0.1	0.117	0.2	0.08	0.001	0.032	0.086	0.1	0.13	0.182
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	15	0.02	0.023	0.04	0.01	0.	0.009	0.01	0.02	0.03	0.034
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	25	0.02	0.025	0.07	0.005	0.	0.017	0.01	0.01	0.035	0.05
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	25	6.4	6.416	9.3	3.2	3.046	1.745	4.2	5.1	7.65	9.14
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	11	38.	41.636	66.	26.	198.655	14.094	26.2	29.	58.	64.8
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	10	7.	8.8	19.	5.	23.733	4.872	5.	5.	10.75	18.7
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	10	11.	11.9	21.	7.	22.1	4.701	7.	7.	15.	20.7
00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-05/26/93	9 ##	0.05	0.117	0.25	0.05	0.008	0.087	0.05	0.05	0.2	0.25
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	25	11.4	10.66	19.9	3.2	23.588	4.857	3.4	6.4	14.3	17.4
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	10	100.	285.	1100.	50.	149472.222	386.616	50.	50.	450.	1080.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	10	2.	2.157	3.041	1.699	0.25	0.5	1.699	1.699	2.596	3.033
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			143.538								

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

Annual Analysis for 1993 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	58	21.4	19.526	31.4	4.6	82.977	9.109	6.01	10.175	28.9	30.52
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	14	23.	30.121	73.	15.	347.839	18.65	15.55	18.85	33.5	71.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	16	0.45	0.431	0.6	0.2	0.014	0.12	0.2	0.4	0.5	0.6
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	53	100.	164.094	369.	48.	12204.164	110.472	69.6	74.	262.	354.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	6	111.5	153.167	291.	72.	8358.167	91.423	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	50	8.5	9.152	13.	6.9	3.738	1.934	7.	7.5	10.6	12.
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	7	8.5	8.757	11.8	7.2	3.026	1.74	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	10	2.5	2.5	4.	1.	1.167	1.08	1.	1.75	3.25	4.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	9	17.	20.	32.	16.	31.5	5.612	16.	16.	24.	32.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	25	6.86	7.032	8.37	6.32	0.265	0.515	6.48	6.685	7.31	7.9
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	25	6.86	6.832	8.37	6.32	0.307	0.554	6.48	6.685	7.31	7.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	25	0.138	0.147	0.479	0.004	0.014	0.119	0.014	0.049	0.207	0.333
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	9	7.4	7.433	8.2	7.	0.137	0.371	7.	7.15	7.65	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	9	7.4	7.322	8.2	7.	0.151	0.389	7.	7.15	7.65	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	9	0.04	0.048	0.1	0.006	0.001	0.031	0.006	0.023	0.071	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	10	28.5	33.5	58.	12.	324.722	18.02	12.3	18.75	57.	57.9
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	9	107.	116.556	198.	60.	2367.528	48.657	60.	80.	154.5	198.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	9	33.	27.778	45.	8.	215.694	14.687	8.	12.5	41.5	45.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	9	70.	88.778	165.	47.	1692.194	41.136	47.	64.	122.5	165.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	27	28.	29.185	70.	10.	159.234	12.619	14.	22.	36.	43.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	27	7.	6.815	12.	2.	6.387	2.527	3.	5.	8.	11.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	27	20.	22.37	58.	8.	116.088	10.774	10.8	15.	29.	35.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.06	0.07	0.21	0.02	0.002	0.047	0.02	0.04	0.1	0.138
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.1	0.122	0.3	0.01	0.008	0.091	0.011	0.058	0.193	0.293
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.01	0.02	0.09	0.005	0.001	0.026	0.005	0.005	0.02	0.074
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.025	0.033	0.08	0.01	0.001	0.026	0.01	0.018	0.043	0.08
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	17	0.18	0.192	0.34	0.02	0.008	0.091	0.052	0.13	0.275	0.316
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	10	0.255	0.259	0.47	0.02	0.018	0.135	0.033	0.158	0.373	0.464
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	27	0.7	0.759	1.1	0.4	0.034	0.185	0.48	0.6	0.9	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	27	0.11	0.123	0.2	0.06	0.001	0.038	0.078	0.1	0.14	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	17	0.02	0.02	0.03	0.005	0.	0.009	0.009	0.01	0.03	0.03
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	26	0.02	0.028	0.12	0.005	0.001	0.027	0.005	0.01	0.04	0.066
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	25	6.7	7.928	14.7	4.	9.647	3.106	4.88	5.6	9.15	13.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	10	39.	49.3	86.	21.	706.678	26.583	21.1	23.5	77.	85.4
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	10	6.5	13.5	31.	3.	126.722	11.257	3.1	4.75	24.25	30.7
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	10	10.	18.2	44.	6.	183.733	13.555	6.1	7.75	30.5	42.8
00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-05/26/93	4 ##	0.055	0.103	0.25	0.05	0.01	0.098	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	19	9.5	7.795	17.	1.	21.158	4.6	1.	3.4	11.	13.2
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11	200.	236.364	600.	50.	40045.455	200.114	50.	100.	500.	580.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	11	2.301	2.225	2.778	1.699	0.148	0.384	1.699	2.	2.699	2.762
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			167.955								

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

Annual Analysis for 1994 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	38	18.7	17.561	32.1	2.5	97.419	9.87	2.6	10.5	26.325	30.82
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	2	14.95	14.95	21.	8.9	73.205	8.556	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	11	0.5	0.5	0.6	0.4	0.004	0.063	0.4	0.5	0.5	0.6
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	34	166.	174.529	254.	74.	3965.832	62.975	74.	137.75	238.	247.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	14	145.	148.143	238.	66.	3994.286	63.2	66.5	82.25	215.	235.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	36	8.75	9.181	13.8	5.4	4.989	2.234	6.	8.175	10.2	13.08
00300	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	2	13.25	13.25	13.5	13.	0.125	0.354	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	14	2.15	2.379	4.8	1.	1.728	1.315	1.	1.	3.5	4.5

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Annual Analysis for 1994 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	5	17.	14.4	21.	4.	52.3	7.232	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	13	7.16	7.261	8.45	6.59	0.299	0.547	6.638	6.9	7.605	8.286
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	13	7.16	7.046	8.45	6.59	0.349	0.591	6.638	6.9	7.605	8.286
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	13	0.069	0.09	0.257	0.004	0.006	0.074	0.006	0.031	0.128	0.232
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	13	6.9	6.885	7.2	6.5	0.06	0.244	6.54	6.6	7.1	7.2
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	13	6.9	6.821	7.2	6.5	0.064	0.253	6.54	6.6	7.1	7.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	13	0.126	0.151	0.316	0.063	0.007	0.086	0.063	0.079	0.251	0.29
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	13	40.	34.308	51.	14.	199.064	14.109	14.	17.5	46.5	50.6
00500	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	2	107.	107.	110.	104.	18.	4.243	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	2	24.	24.	26.	22.	8.	2.828	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	2	83.	83.	88.	78.	50.	7.071	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	14	24.5	25.571	43.	12.	51.495	7.176	15.	22.	30.	37.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	14	4.5	5.429	10.	2.	5.648	2.377	2.5	3.75	7.25	9.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	14	19.	20.143	33.	10.	34.44	5.869	12.	16.5	24.25	29.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	0.103	0.222	0.653	0.005	0.052	0.229	0.01	0.043	0.477	0.613
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	2	0.395	0.395	0.69	0.1	0.174	0.417	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	0.015	0.02	0.063	0.001	0.	0.02	0.002	0.004	0.026	0.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	12	0.21	0.231	0.46	0.006	0.015	0.123	0.034	0.173	0.335	0.433
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	2	0.315	0.315	0.36	0.27	0.004	0.064	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	2	0.75	0.75	1.1	0.4	0.245	0.495	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	2 ##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	5	0.03	0.042	0.07	0.02	0.	0.022	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	14	0.015	0.026	0.08	0.008	0.	0.022	0.008	0.01	0.037	0.066
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	13	5.1	5.662	13.3	3.7	6.019	2.453	3.82	4.15	6.15	10.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	11	56.	45.091	64.	19.	381.891	19.542	19.2	22.	62.	63.8
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	6	16.	16.167	27.	6.	73.767	8.589	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	6	18.5	19.5	33.	8.	85.1	9.225	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	12	9.05	7.258	12.5	1.2	13.214	3.635	1.59	3.275	9.825	11.78
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	2	250.	250.	300.	200.	5000.	70.711	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	2	2.389	2.389	2.477	2.301	0.016	0.125	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			244.949								

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Annual Analysis for 1995 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	31	20.	18.077	30.	4.4	75.565	8.693	6.8	9.	25.6	28.86
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	12	0.5	0.558	0.8	0.4	0.017	0.131	0.4	0.5	0.6	0.8
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	31	131.	176.871	327.	60.	7280.383	85.325	68.6	117.	254.	315.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	11	145.	172.091	356.	63.	8150.291	90.279	68.4	110.	264.	337.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	31	9.	9.087	11.9	5.6	3.95	1.987	5.96	7.3	11.1	11.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	11	2.2	2.255	4.	0.5	1.553	1.246	0.5	1.3	3.1	4.
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	11	20.	19.636	28.	11.	24.255	4.925	11.4	18.	24.	27.4
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	12	7.205	7.253	7.98	6.43	0.198	0.445	6.562	6.922	7.545	7.95
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	12	7.204	7.051	7.98	6.43	0.242	0.492	6.562	6.922	7.545	7.95
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	12	0.063	0.089	0.372	0.01	0.01	0.099	0.011	0.029	0.12	0.301
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	11	7.1	7.136	7.8	6.5	0.211	0.459	6.52	6.7	7.6	7.78
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	11	7.1	6.943	7.8	6.5	0.252	0.502	6.52	6.7	7.6	7.78
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	11	0.079	0.114	0.316	0.016	0.01	0.102	0.017	0.025	0.2	0.303
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	11	38.	39.818	69.	16.	309.764	17.6	16.6	29.	59.	67.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	11	28.	27.818	34.	18.	31.164	5.582	18.4	25.	33.	34.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	11	6.	5.909	9.	3.	4.091	2.023	3.2	4.	8.	9.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	11	23.	21.909	27.	13.	17.491	4.182	13.8	19.	25.	26.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.063	0.097	0.342	0.02	0.01	0.098	0.022	0.029	0.172	0.31

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Annual Analysis for 1995 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.012	0.031	0.147	0.005	0.002	0.045	0.005	0.006	0.041	0.135
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	11	0.29	0.287	0.52	0.07	0.015	0.121	0.09	0.19	0.35	0.496
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	11	0.05	0.049	0.09	0.02	0.	0.02	0.022	0.03	0.06	0.086
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	11	0.026	0.03	0.082	0.008	0.	0.021	0.009	0.015	0.029	0.076
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	11	7.5	7.745	11.9	4.8	5.173	2.274	4.94	5.5	8.9	11.74
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	11	46.	56.	104.	25.	762.4	27.612	25.6	36.	86.	102.2
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	11	8.	13.455	34.	3.	93.673	9.678	3.6	7.	22.	32.2
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	11	13.	16.455	36.	5.	90.473	9.512	5.8	9.	25.	34.
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	11	9.6	9.073	13.6	2.	14.014	3.744	2.2	7.	11.7	13.32

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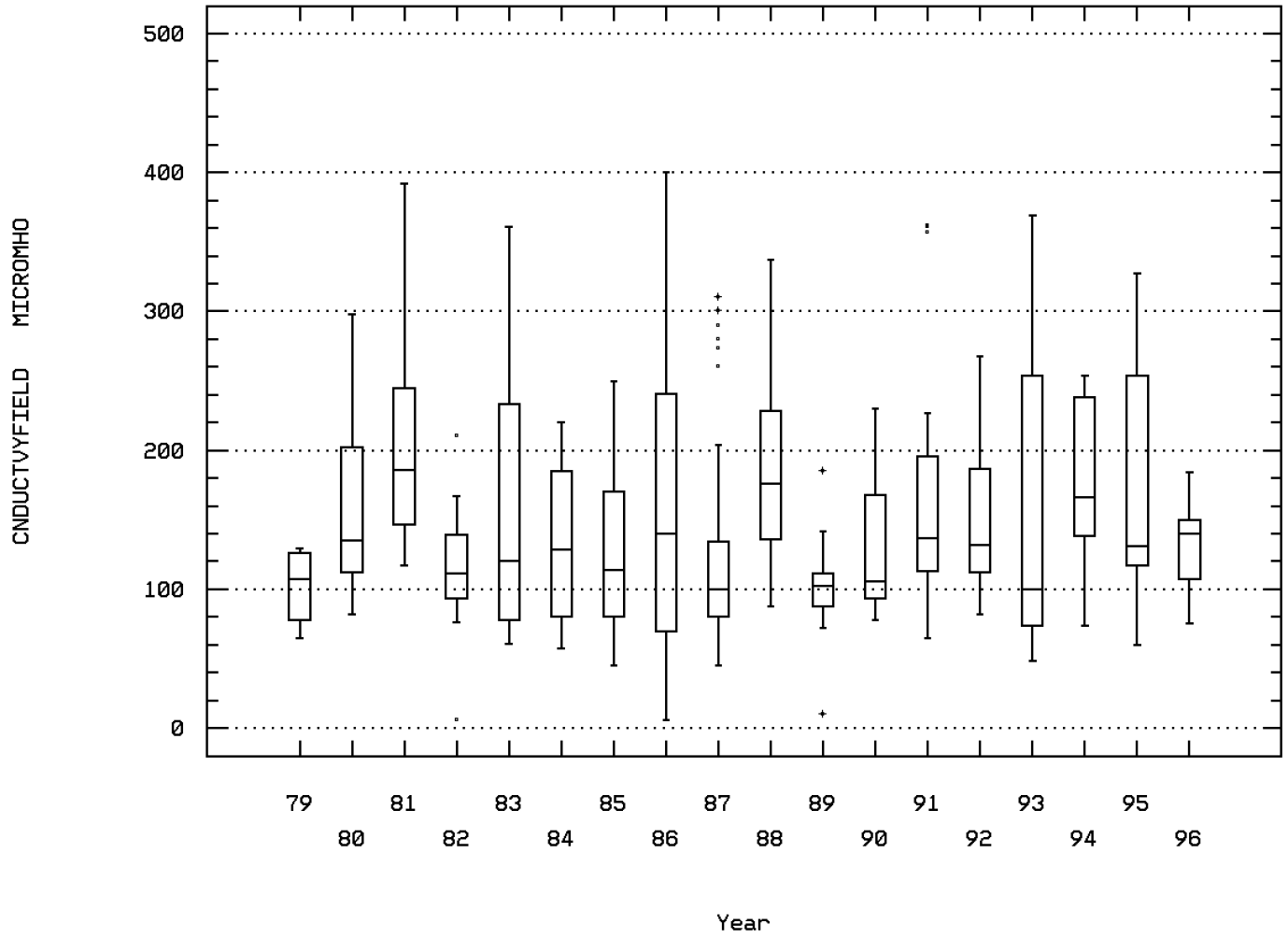
Annual Analysis for 1996 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	21	20.5	19.	29.4	3.8	97.539	9.876	4.04	7.85	28.4	28.48
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	7	0.6	0.571	0.7	0.3	0.022	0.15	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	21	140.	132.	184.	75.	1219.8	34.926	77.8	106.5	157.	184.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	7	128.	121.714	172.	67.	1529.238	39.105	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	21	9.1	9.805	13.1	7.4	4.257	2.063	7.52	7.95	11.9	12.92
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	7	2.	1.857	3.	1.	0.81	0.9	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	7	18.	17.571	22.	10.	15.286	3.91	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	7	7.17	7.321	8.54	6.65	0.395	0.629	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	7	7.17	7.073	8.54	6.65	0.467	0.683	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	7	0.068	0.084	0.224	0.003	0.006	0.075	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	7	7.3	7.214	7.6	6.7	0.108	0.329	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	7	7.3	7.104	7.6	6.7	0.122	0.35	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	7	0.05	0.079	0.2	0.025	0.004	0.064	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	7	32.	31.429	47.	12.	149.286	12.218	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	7	24.	24.	29.	17.	18.667	4.32	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	7	5.	5.	7.	3.	2.	1.414	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	7	20.	19.	23.	14.	17.667	4.203	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	8	0.048	0.063	0.219	0.008	0.005	0.07	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	8	0.01	0.01	0.017	0.003	0.	0.004	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	8	0.16	0.175	0.37	0.06	0.013	0.116	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	8	0.017	0.015	0.023	0.006	0.	0.006	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	7	6.5	6.286	8.8	3.7	3.791	1.947	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	7	36.	37.429	58.	20.	171.619	13.1	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	7	10.	8.571	11.	5.	7.619	2.76	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	7	10.	10.286	15.	7.	10.571	3.251	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	8	9.85	9.7	16.6	2.4	17.769	4.215	**	**	**	**

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Station: PETE0040 Parameter Code: 00094

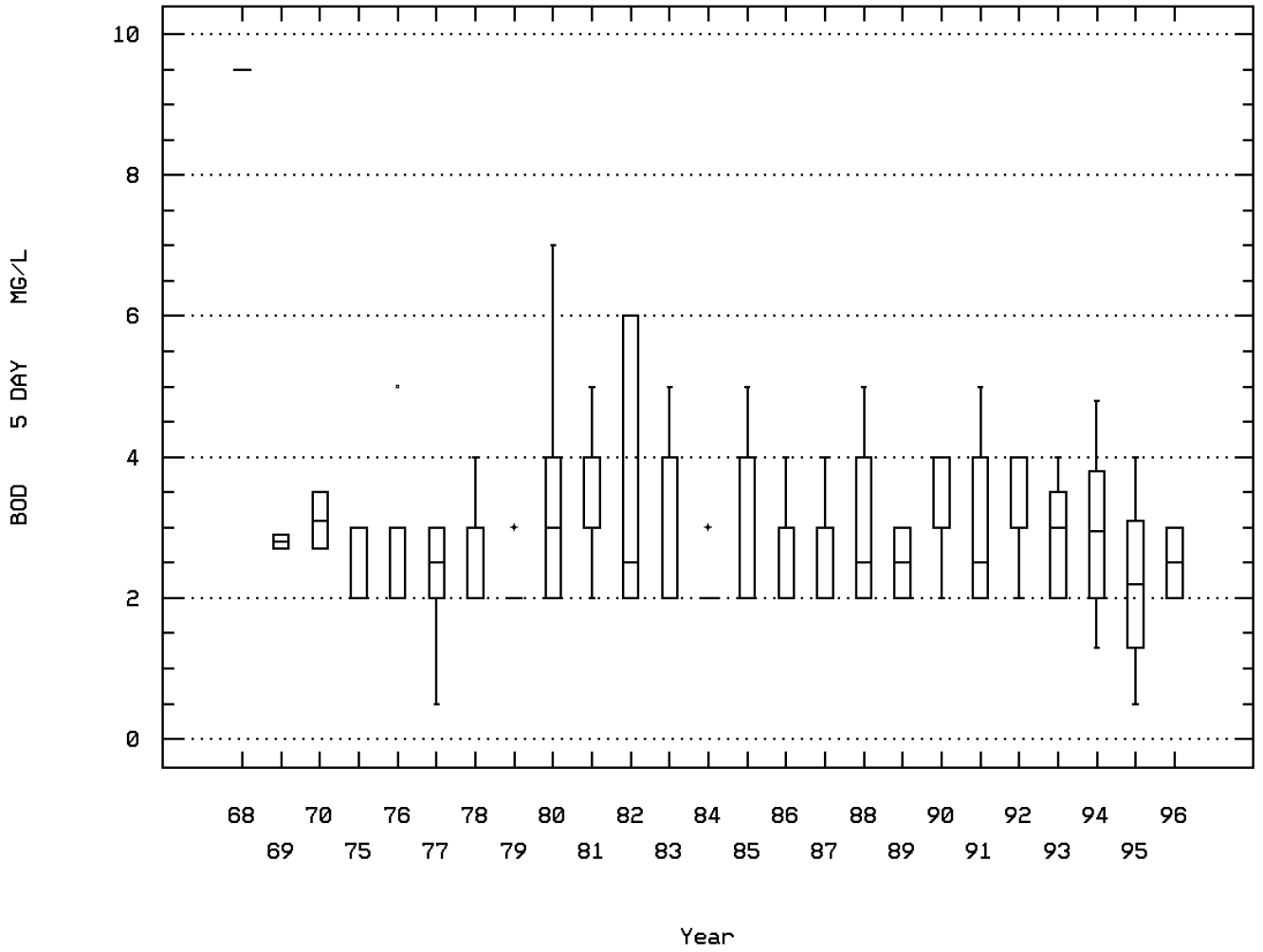
SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00310

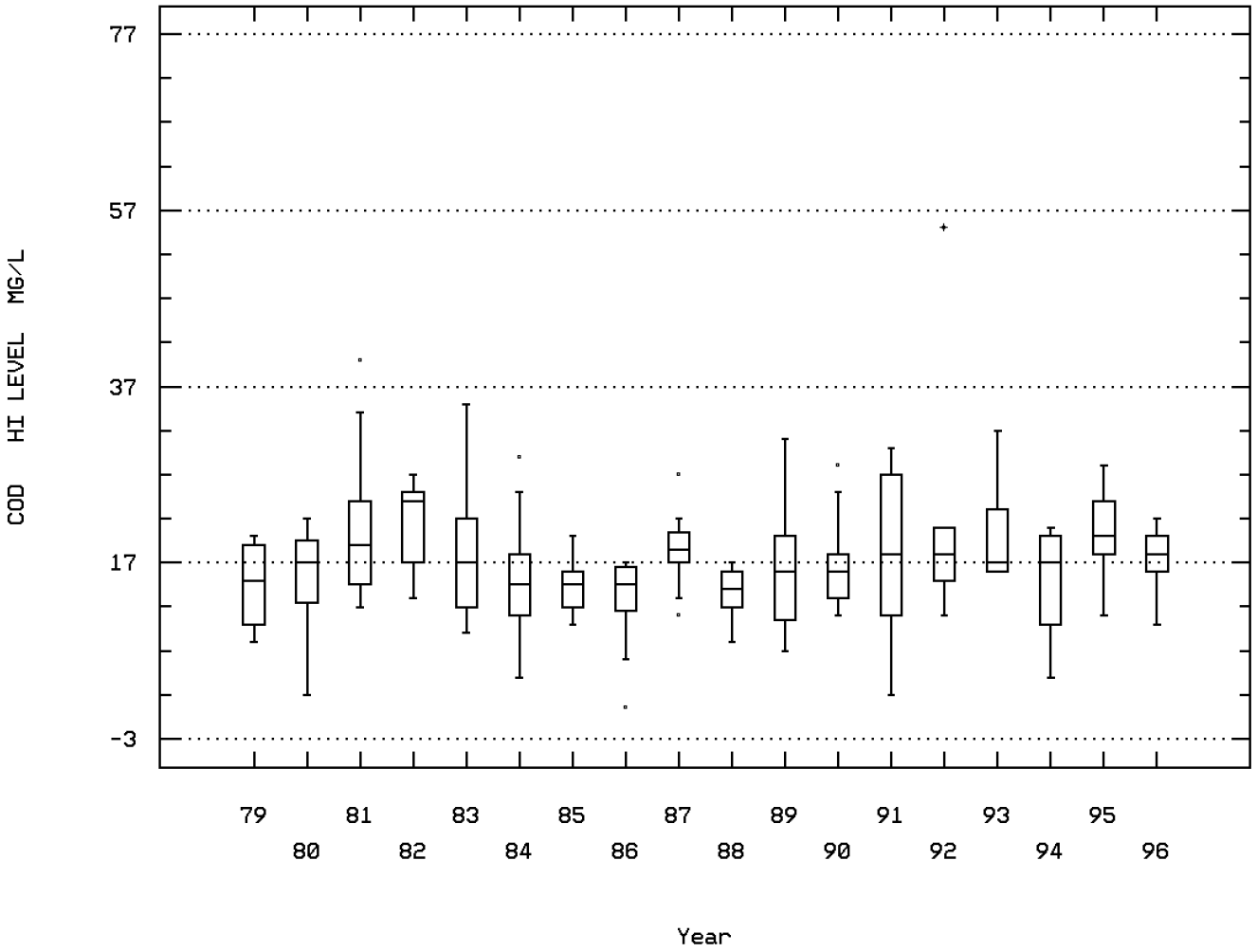
BOD, 5 DAY, 20 DEG C



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00340

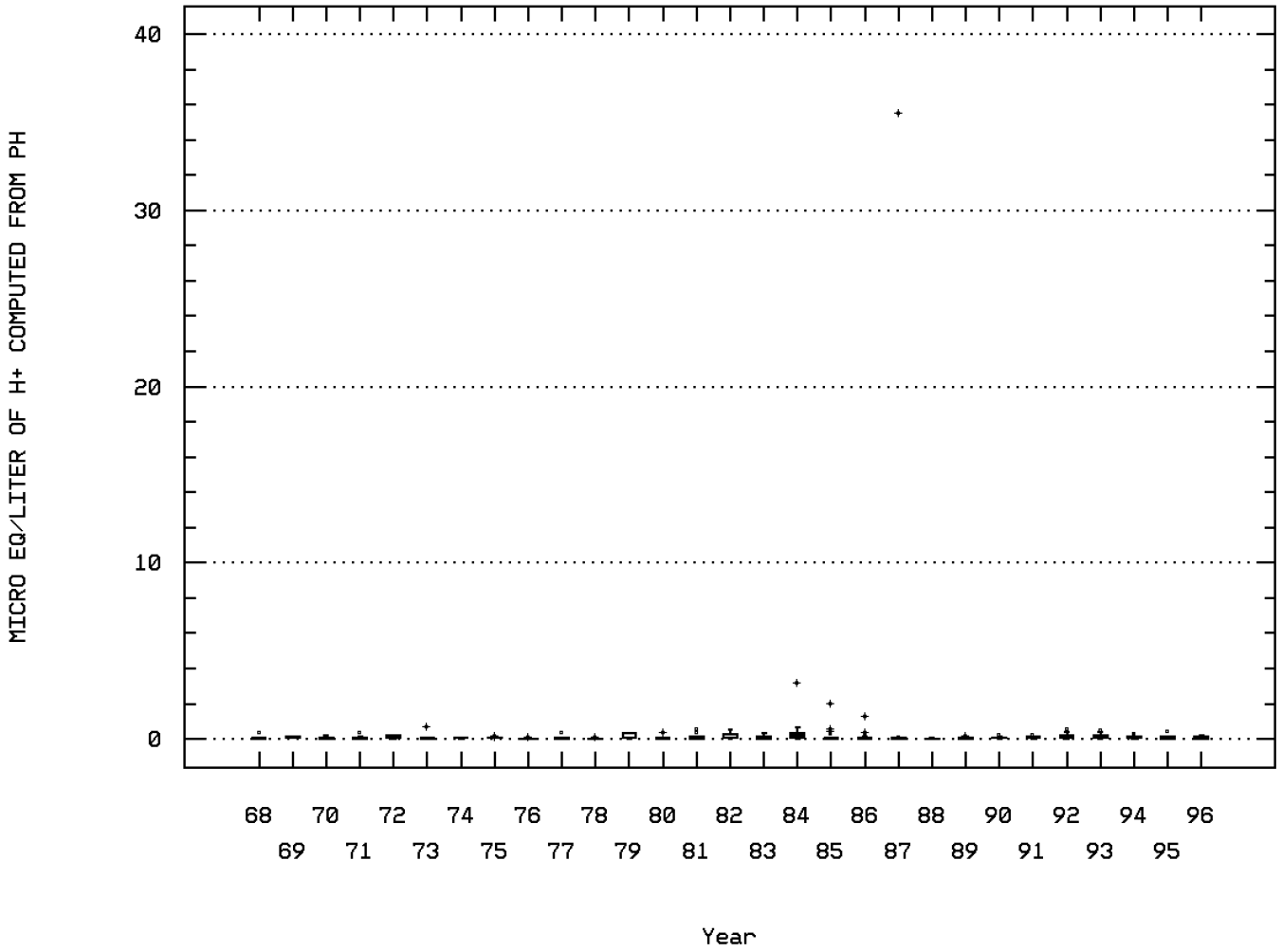
COD, .25N K2CR2O7



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00400

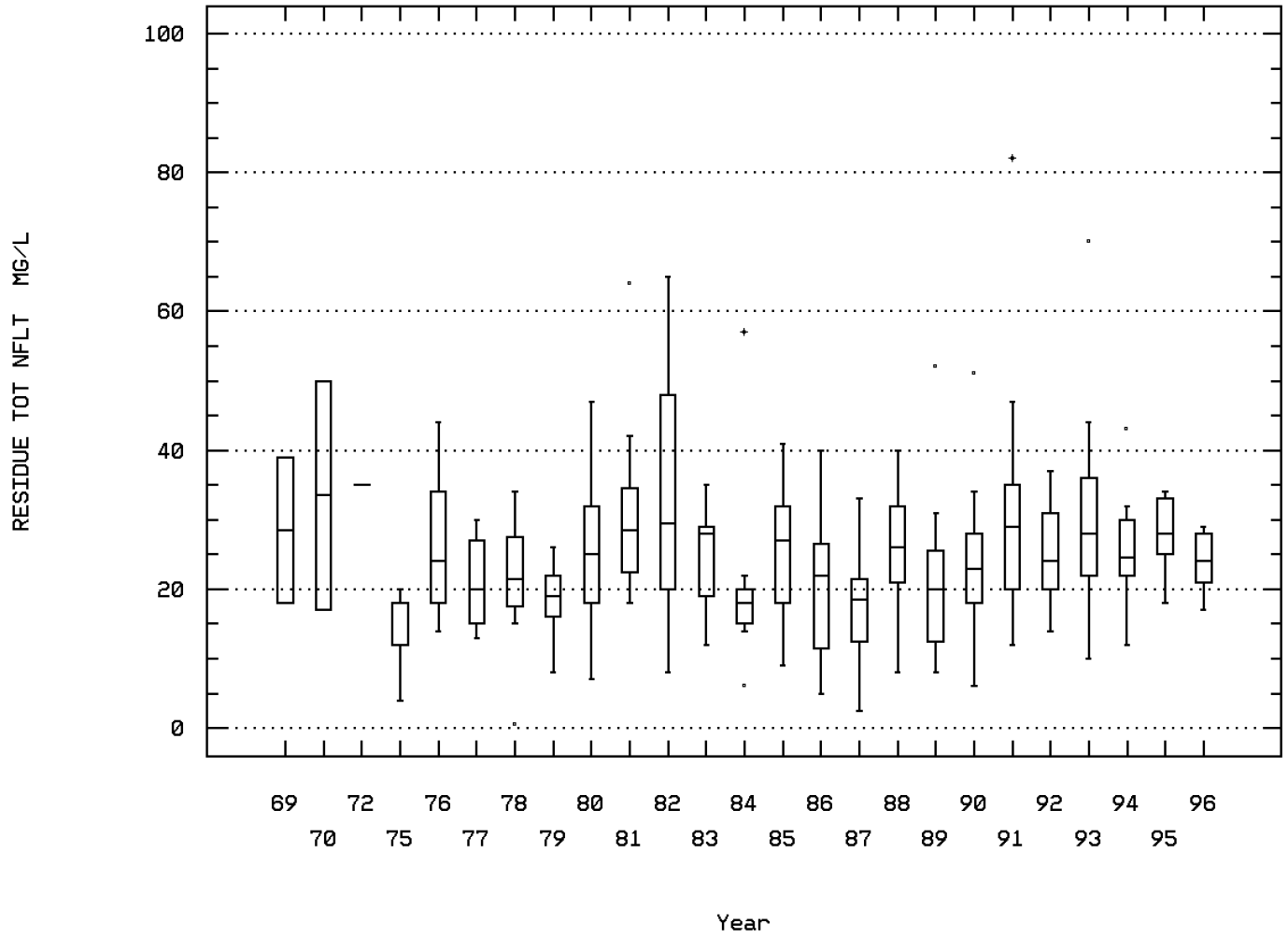
MICRO EQ/LITER OF H+ COMPUTED FROM PH



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00530

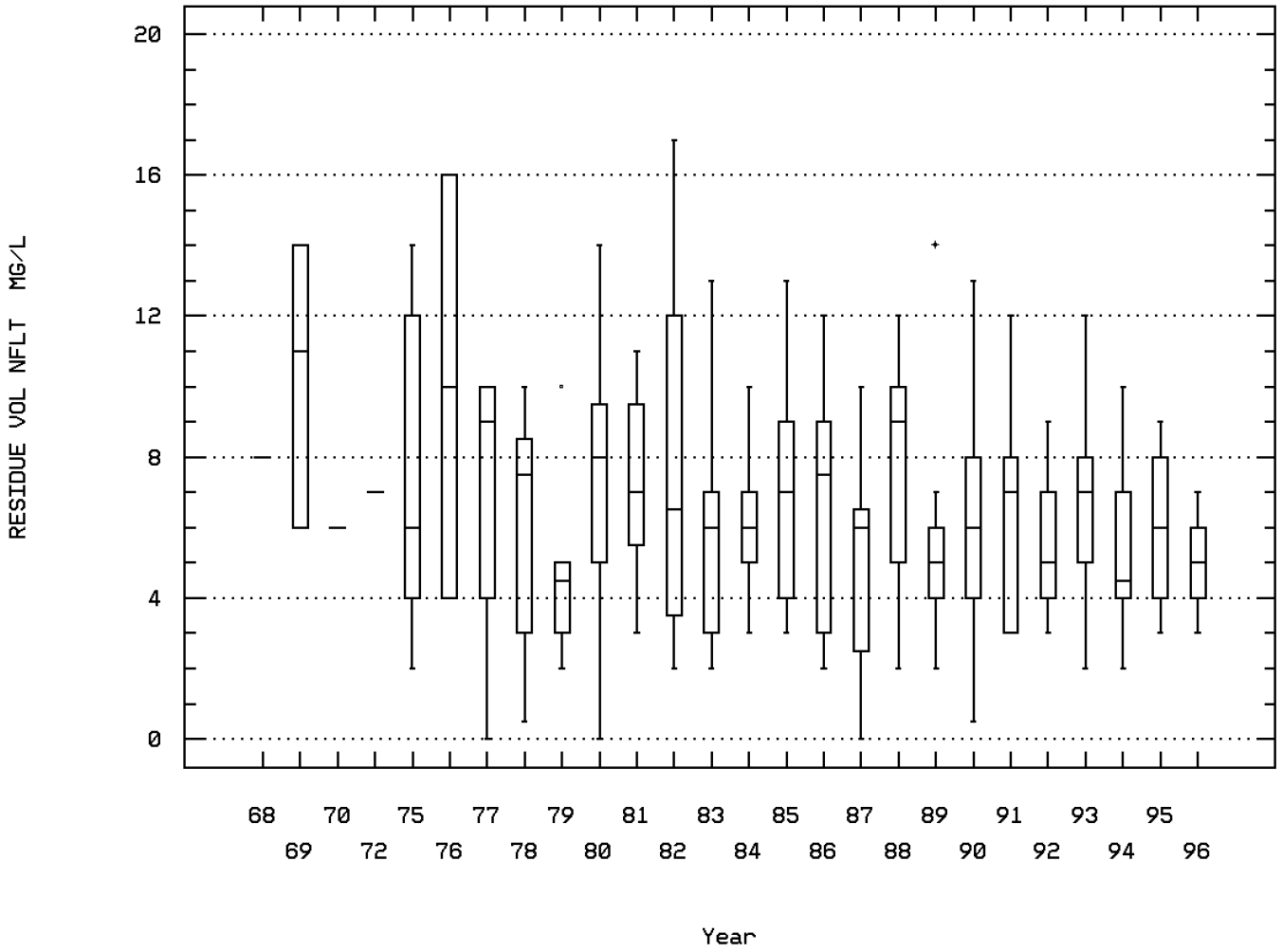
RESIDUE, TOTAL NONFILTRABLE (MG/L)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00535

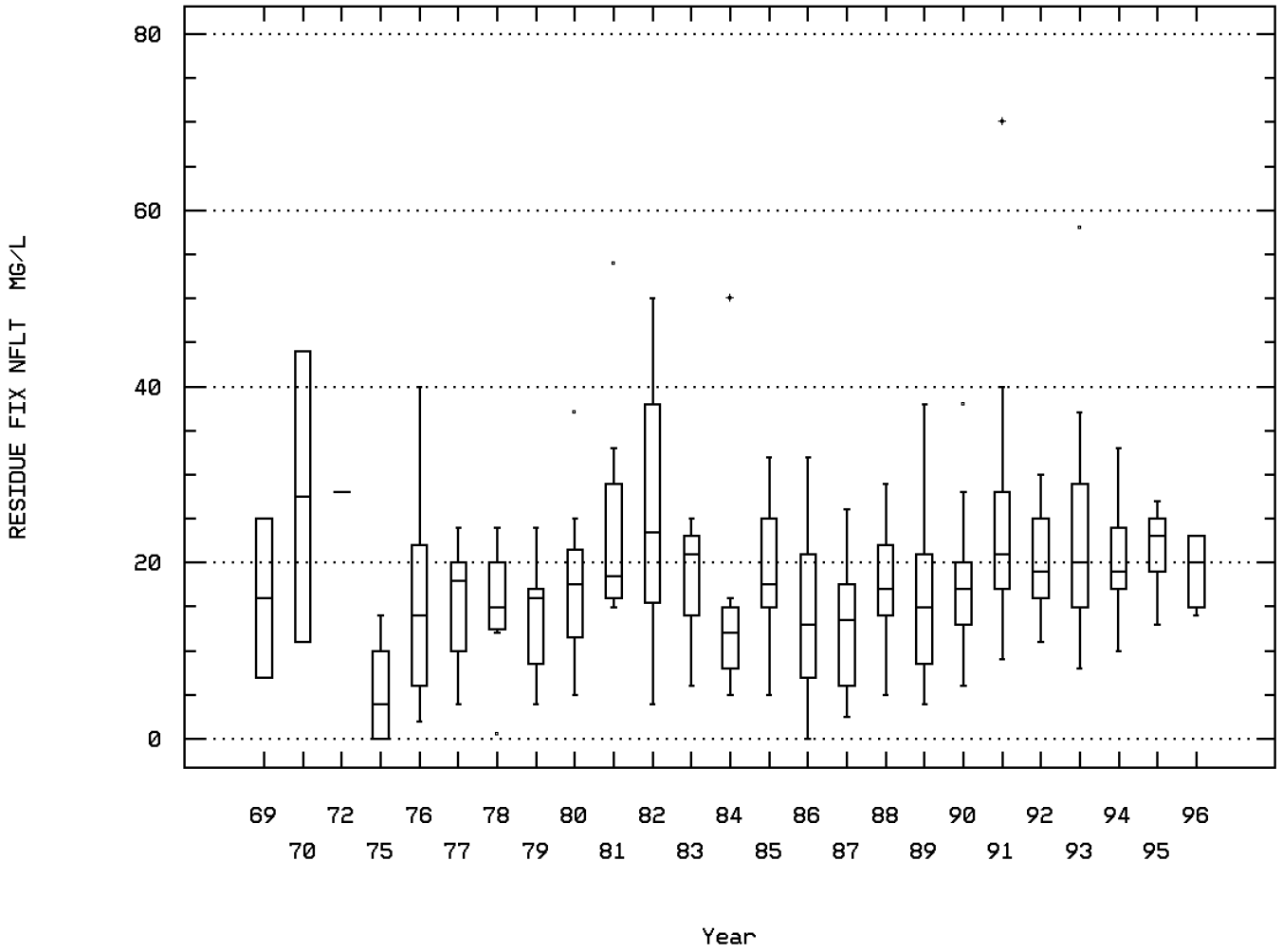
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00540

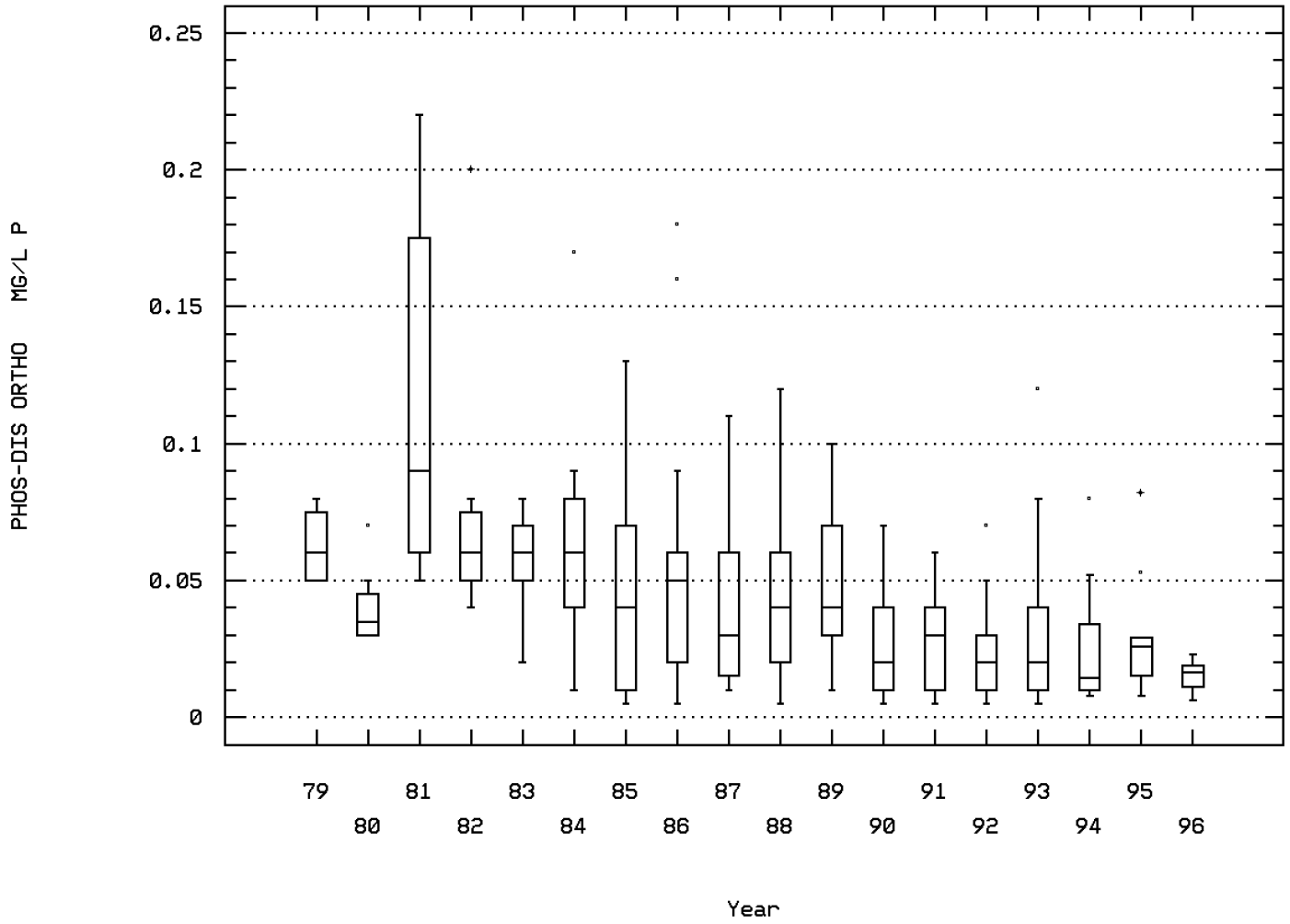
RESIDUE, FIXED NONFILTRABLE (MG/L)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00671

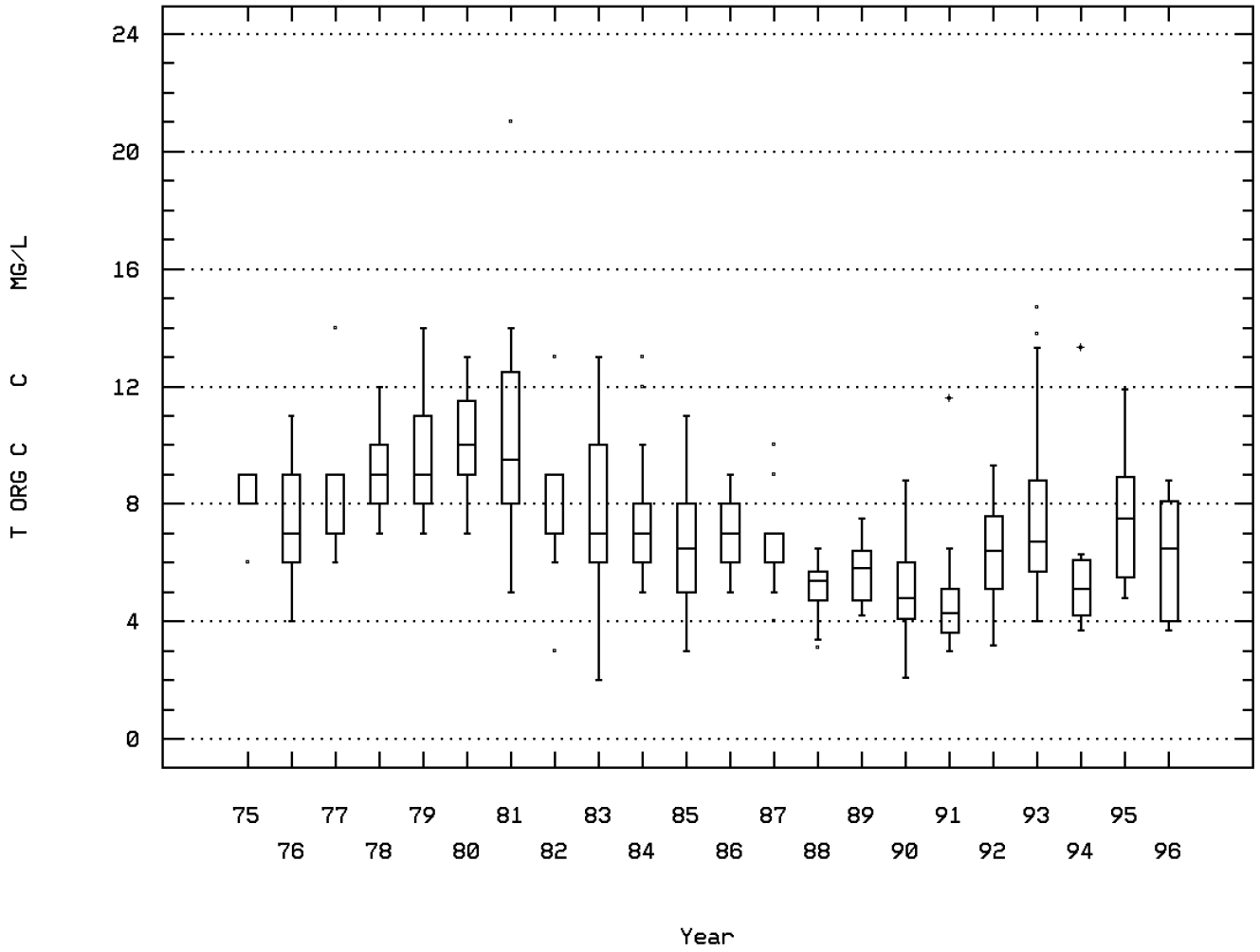
PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (M



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00680

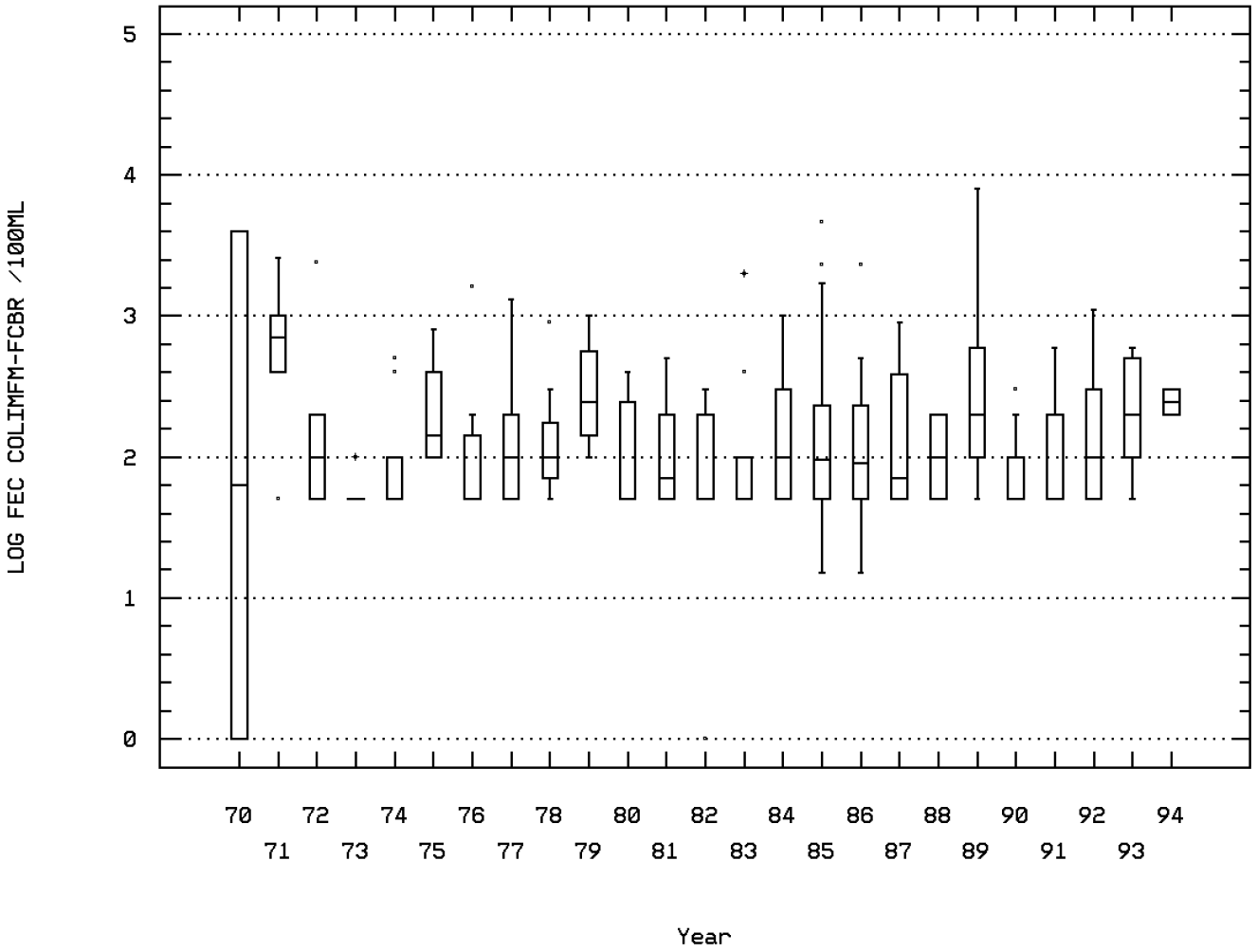
CARBON, TOTAL ORGANIC (MG/L AS C)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



BUOY 8 (CITY OF HOPEWELL)

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	244	27.	26.161	32.1	2.7	15.171	3.895	21.3	24.	29.	30.5
00023	SAMPLE WEIGHT IN POUNDS	10/25/79-07/26/91	20	0.71	0.908	3.34	0.05	0.867	0.931	0.13	0.178	1.388	2.832
00024	SAMPLE LENGTH IN INCHES	10/25/79-07/26/91	20	11.71	10.88	18.31	4.85	17.648	4.201	5.665	6.75	13.99	17.39
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	20	20.	20.725	40.	6.1	58.569	7.653	8.49	17.35	25.75	29.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	10	26.5	26.96	43.	17.6	46.149	6.793	17.84	23.	28.5	41.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	62	0.5	0.501	0.9	0.3	0.014	0.117	0.4	0.4	0.6	0.663
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	202	193.5	197.54	400.	60.	5216.827	72.228	106.	138.	245.	300.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	26	169.5	178.269	363.	63.	6340.205	79.625	85.4	104.25	219.	310.5
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	165	0.	0.021	2.	0.	0.032	0.178	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	168	7.5	7.801	11.4	5.1	1.949	1.396	6.19	6.9	8.8	9.71
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	89	7.6	7.669	11.1	4.8	1.828	1.352	6.	6.8	8.6	9.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	56	3.	3.334	7.	0.5	1.595	1.263	2.	2.175	4.	5.
00340	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	48	18.	17.938	25.	4.	19.677	4.436	13.	14.25	21.	25.
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	139	7.5	7.558	9.3	6.4	0.358	0.599	6.82	7.14	7.95	8.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	139	7.5	7.231	9.3	6.4	0.466	0.682	6.82	7.14	7.95	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	139	0.032	0.059	0.398	0.001	0.005	0.073	0.003	0.011	0.072	0.151
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	28	7.3	7.286	7.9	6.6	0.126	0.355	6.79	7.025	7.6	7.8
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	28	7.3	7.152	7.9	6.6	0.144	0.38	6.79	7.025	7.6	7.8
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	28	0.05	0.071	0.251	0.013	0.003	0.058	0.016	0.025	0.095	0.163
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	28	42.5	41.571	69.	16.	146.106	12.087	24.9	33.	48.75	58.4
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	16	127.	136.188	198.	78.	1380.963	37.161	89.2	109.25	167.75	195.9
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	16	32.	33.5	63.	15.	125.2	11.189	17.8	29.	38.75	50.4
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	16	101.	99.563	165.	29.	1304.396	36.116	50.	73.75	127.5	154.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	90	28.	28.128	63.	2.5	89.885	9.481	18.1	22.	33.	40.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	90	8.	8.022	17.	0.	9.32	3.053	4.1	6.	9.	12.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	90	19.	20.117	46.	0.	66.304	8.143	13.1	15.75	25.	30.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	66	0.029	0.055	0.6	0.005	0.006	0.077	0.02	0.02	0.062	0.105
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	57	0.07	0.095	0.4	0.01	0.006	0.079	0.02	0.05	0.1	0.2
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	66	0.03	0.041	0.147	0.001	0.001	0.037	0.01	0.011	0.05	0.103
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	57	0.03	0.051	0.25	0.005	0.003	0.052	0.005	0.01	0.06	0.142
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	63	0.21	0.23	0.57	0.006	0.021	0.143	0.054	0.12	0.31	0.444
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	53	0.25	0.284	1.54	0.02	0.052	0.228	0.044	0.16	0.39	0.476
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	116	0.9	0.83	1.6	0.2	0.069	0.263	0.5	0.6	1.	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	100	0.12	0.129	0.2	0.05	0.002	0.04	0.091	0.1	0.15	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	64	0.03	0.031	0.18	0.005	0.001	0.024	0.01	0.02	0.04	0.045
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	108	0.02	0.031	0.17	0.005	0.001	0.027	0.01	0.01	0.05	0.06
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	111	7.	7.105	14.	3.	5.198	2.28	4.7	5.5	8.	10.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	18	62.	89.167	600.	26.	16861.912	129.853	26.	35.	86.5	153.6
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	20	11.	14.1	34.	3.	91.147	9.547	3.	5.5	20.75	30.7
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	18	16.5	17.111	36.	4.	99.399	9.97	4.9	8.75	24.25	32.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	44	5.1	6.191	19.7	1.	21.507	4.638	1.65	2.575	8.4	14.25
01002	ARSENIC, TOTAL (UG/L AS AS)	03/15/71-04/28/93	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/28/93	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/28/93	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/28/93	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/28/93	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/28/93	6 ##	5.	9.167	30.	5.	104.167	10.206	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	80	100.	317.438	8000.	15.	915135.439	956.627	50.	50.	200.	690.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	80	2.	2.059	3.903	1.176	0.24	0.49	1.699	1.699	2.301	2.838
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			114.584								
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/25/79-07/27/88	17 ##	0.25	0.266	0.5	0.005	0.055	0.234	0.005	0.05	0.5	0.5
34685	ENDRIN WET WGTTISMG/KG	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/25/79-08/27/86	15 ##	0.5	0.588	2.	0.005	0.346	0.588	0.005	0.05	0.94	1.64
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	15 ##	0.05	0.073	0.2	0.05	0.002	0.042	0.05	0.05	0.1	0.14
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-06/12/79	15 ##	0.05	0.04	0.08	0.005	0.001	0.023	0.005	0.01	0.05	0.068
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/28/93	7 ##	0.25	0.186	0.25	0.	0.009	0.094	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/25/79-07/26/91	20 ##	0.03	0.038	0.08	0.01	0.001	0.024	0.01	0.013	0.055	0.079
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	14	0.95	1.079	2.9	0.1	0.798	0.893	0.15	0.463	1.325	2.85
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	14	1.3	1.516	3.	0.105	0.664	0.815	0.353	1.018	2.228	2.85
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/82-07/26/91	14	0.37	0.769	3.9	0.1	1.166	1.08	0.1	0.2	0.725	3.15
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/82-07/26/91	14 ##	0.1	0.087	0.15	0.05	0.001	0.033	0.05	0.054	0.11	0.135
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/25/79-07/26/91	20	5.	5.2	10.	3.	1.537	1.24	5.	5.	5.	5.9
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/25/79-07/27/88	17 ##	0.05	0.213	0.5	0.005	0.051	0.225	0.005	0.05	0.5	0.5

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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	223	8.4	9.459	21.7	0.4	29.81	5.46	3.	5.1	13.8	18.36
00023	SAMPLE WEIGHT IN POUNDS	10/25/79-07/26/91	3	0.1	0.073	0.1	0.02	0.002	0.046	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/25/79-07/26/91	3	4.1	4.427	5.2	3.98	0.452	0.672	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	25	29.	34.572	75.	8.2	460.825	21.467	8.66	19.4	45.5	71.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	14	21.5	32.921	128.	13.	871.756	29.526	14.6	18.7	33.75	91.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	47	0.6	0.521	0.8	0.2	0.021	0.146	0.3	0.4	0.6	0.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	190	115.	138.468	392.	45.	6100.504	78.106	60.	79.5	180.	262.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	39	123.	139.462	265.	67.	3212.992	56.683	79.	89.	193.	232.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	143	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	148	10.7	10.559	14.6	6.1	3.578	1.892	8.37	9.	11.975	12.71
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	86	10.75	10.531	18.	5.2	4.877	2.209	7.97	9.	11.8	13.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	89	2.	2.297	9.5	0.5	1.677	1.295	1.	1.65	3.	4.
00340	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	75	16.	16.233	55.	0.5	63.854	7.991	7.6	11.	20.	25.4
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	129	7.1	7.088	8.61	4.45	0.271	0.521	6.5	6.83	7.4	7.61
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	129	7.1	6.379	8.61	4.45	0.777	0.882	6.5	6.83	7.4	7.61
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	129	0.079	0.417	35.481	0.002	9.736	3.12	0.025	0.04	0.148	0.316
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	46	7.	7.063	8.2	6.	0.179	0.423	6.57	6.8	7.25	7.7
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	46	7.	6.875	8.2	6.	0.216	0.464	6.57	6.8	7.25	7.7
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	46	0.1	0.133	1.	0.006	0.025	0.157	0.02	0.057	0.158	0.271
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	46	31.	33.848	73.	12.	204.487	14.3	15.4	21.75	46.25	53.9
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	28	113.	123.214	239.	60.	1582.545	39.781	79.8	97.	140.75	180.5
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	28	28.	30.321	58.	8.	131.041	11.447	13.9	24.25	36.75	48.2
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	27	88.	89.185	169.	15.	1007.387	31.739	54.2	70.	104.	134.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	110	21.	22.709	70.	5.	109.566	10.467	10.2	14.75	29.	34.9
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	112	5.	5.326	13.	0.	8.062	2.839	2.	3.	7.	10.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	109	17.	17.633	58.	4.	84.42	9.188	7.	10.	23.	27.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	51	0.172	0.211	0.78	0.02	0.034	0.184	0.028	0.072	0.28	0.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	77	0.15	0.189	0.9	0.02	0.024	0.155	0.05	0.1	0.23	0.4
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	51	0.007	0.017	0.14	0.005	0.	0.022	0.005	0.005	0.02	0.039
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	77	0.02	0.023	0.15	0.005	0.001	0.026	0.005	0.01	0.03	0.04
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	50	0.3	0.328	1.3	0.11	0.034	0.185	0.16	0.228	0.37	0.488
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	70	0.305	0.353	1.23	0.03	0.04	0.199	0.19	0.22	0.433	0.593
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	117	0.6	0.637	1.6	0.2	0.071	0.266	0.3	0.4	0.8	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	104	0.1	0.123	0.5	0.05	0.005	0.069	0.05	0.093	0.148	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	48	0.03	0.043	0.22	0.01	0.001	0.037	0.01	0.02	0.05	0.081
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	114	0.05	0.055	0.18	0.005	0.002	0.039	0.01	0.03	0.07	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	119	6.	6.666	14.7	1.	7.538	2.746	3.7	5.	8.	10.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	33	46.	48.061	110.	20.	409.996	20.248	22.2	33.	60.5	73.6
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	33	10.	13.273	37.	3.	81.142	9.008	4.4	6.5	21.5	26.2

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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	31	12.	15.226	44.	7.	81.514	9.029	7.	8.	21.	26.
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	46	11.15	10.704	18.	1.2	15.576	3.947	3.75	9.1	13.3	15.8
01002	ARSENIC, TOTAL (UG/L AS AS)	03/15/71-04/28/93	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/28/93	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/28/93	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/28/93	5 ##	5.	19.	50.	5.	417.5	20.433	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/28/93	5	20.	17.4	37.	5.	176.3	13.278	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/28/93	5	20.	19.8	30.	5.	85.2	9.23	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	87	100.	470.92	4600.	0.	777275.889	881.633	50.	50.	400.	1360.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	87	2.	2.241	3.663	0.	0.357	0.597	1.699	1.699	2.602	3.132
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			174.341								
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/25/79-08/27/86	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	13 ##	0.05	0.073	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)	02/16/70-06/12/79	13	0.05	0.053	0.11	0.01	0.001	0.026	0.014	0.04	0.065	0.098
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/28/93	5 ##	0.15	0.19	0.25	0.15	0.003	0.055	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/25/79-07/26/91	3 ##	0.015	0.02	0.03	0.015	0.	0.009	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/25/79-07/26/91	3	5.	5.	5.	5.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/25/79-07/27/88	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0040

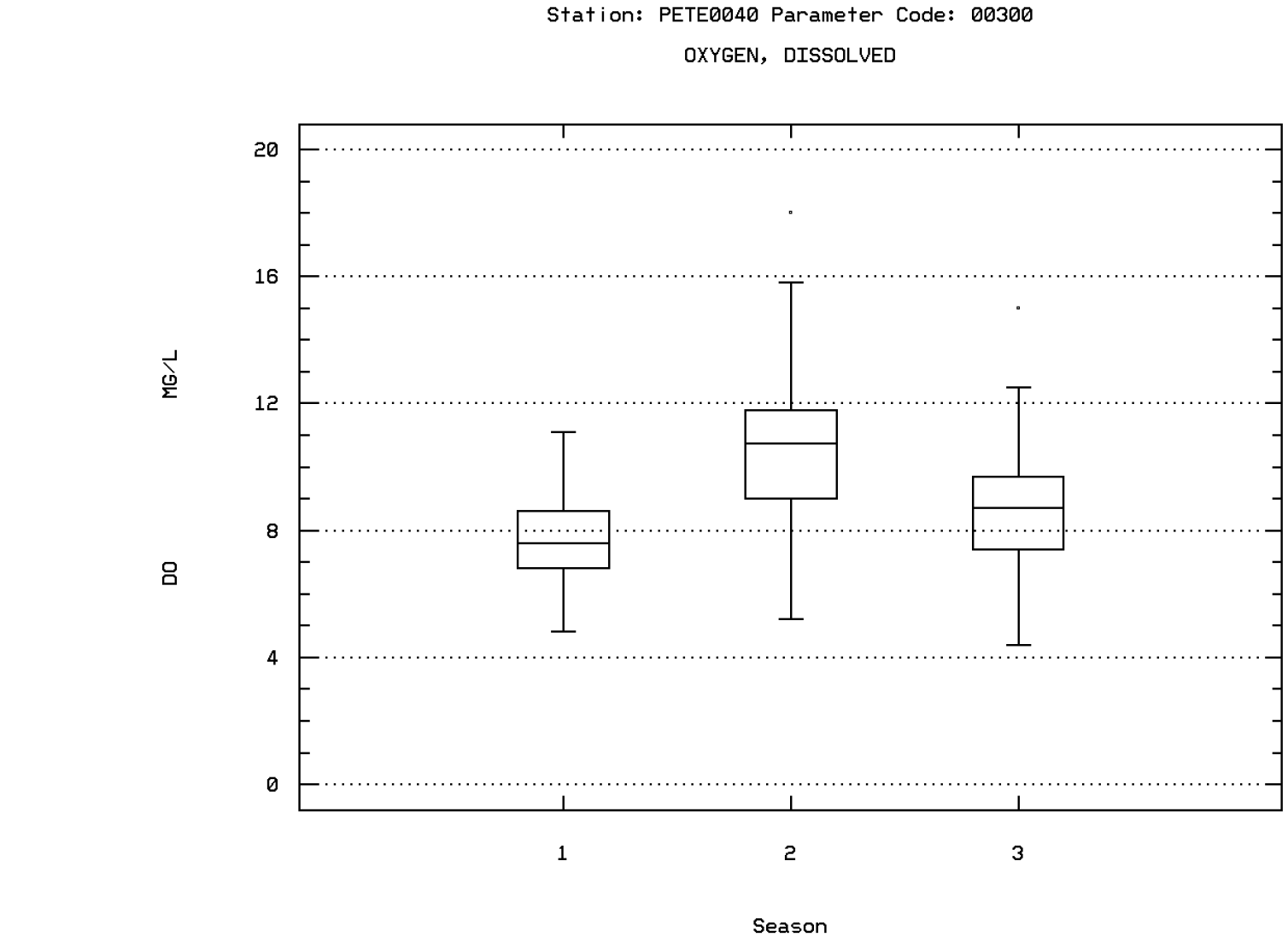
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/20/96	266	20.	19.14	29.4	6.4	37.676	6.138	10.87	13.075	24.05	27.06
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/71-02/01/94	22	21.	23.432	64.	8.	153.632	12.395	11.48	14.95	30.5	37.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-07/23/96	17	23.	29.035	124.	9.7	685.064	26.174	12.34	16.4	30.5	58.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/84-08/20/96	63	0.5	0.594	5.	0.2	0.342	0.585	0.3	0.4	0.6	0.76
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/20/96	226	103.	111.235	250.	6.	1811.336	42.56	66.4	80.	134.25	174.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-07/23/96	38	96.	107.868	203.	66.	1282.171	35.807	70.9	81.75	125.5	165.7
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-08/20/96	181	0.	0.002	0.1	0.	0.	0.013	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-08/20/96	187	9.1	9.043	12.1	5.3	2.225	1.491	7.3	7.9	10.2	11.12
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-02/01/94	101	8.7	8.661	15.	4.4	2.954	1.719	6.5	7.4	9.7	10.78
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-07/23/96	82	2.	2.349	5.	1.	1.137	1.066	1.	1.9	3.	4.
00340	COD, .25N K2CR2O7 MG/L	08/14/79-07/23/96	65	16.	17.738	40.	1.	47.696	6.906	10.6	13.5	21.	28.4
00400p	PH (STANDARD UNITS)	06/28/68-08/20/96	145	7.24	7.269	8.75	5.5	0.348	0.59	6.5	6.93	7.635	8.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/20/96	145	7.24	6.882	8.75	5.5	0.498	0.706	6.5	6.93	7.635	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/20/96	145	0.058	0.131	3.162	0.002	0.087	0.295	0.01	0.023	0.117	0.316
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-07/23/96	45	7.	7.	7.6	6.	0.147	0.383	6.5	6.75	7.35	7.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-07/23/96	45	7.	6.824	7.6	6.	0.179	0.423	6.5	6.75	7.35	7.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-07/23/96	45	0.1	0.15	1.	0.025	0.028	0.168	0.032	0.045	0.179	0.316
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-07/23/96	47	30.	31.383	58.	14.	110.328	10.504	17.6	23.	40.	45.4
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-02/01/94	23	106.	109.565	173.	80.	500.802	22.379	80.8	90.	122.	139.2
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-02/01/94	23	28.	30.043	83.	4.	228.043	15.101	13.2	21.	36.	41.8
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-02/01/94	23	80.	79.087	120.	57.	265.81	16.304	61.2	65.	85.	105.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-07/23/96	114	23.	24.982	82.	0.5	143.783	11.991	14.	18.	30.	36.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-07/23/96	114	6.	5.939	16.	0.	9.487	3.08	2.25	3.75	8.	10.

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-07/23/96	114	17.	19.013	70.	0.	112.285	10.596	7.5	13.	24.	30.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	67	0.08	0.098	0.517	0.008	0.007	0.081	0.02	0.05	0.13	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-02/01/94	73	0.14	0.214	2.4	0.02	0.097	0.312	0.05	0.095	0.2	0.4
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	67 ##	0.005	0.011	0.07	0.003	0.	0.012	0.005	0.005	0.011	0.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	73	0.01	0.022	0.14	0.005	0.001	0.024	0.005	0.01	0.025	0.05
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-08/20/96	67	0.18	0.183	0.34	0.02	0.007	0.081	0.068	0.13	0.25	0.3
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/16/70-02/01/94	70	0.24	0.246	0.6	0.02	0.015	0.121	0.102	0.158	0.313	0.445
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-02/01/94	126	0.6	0.678	4.2	0.3	0.158	0.397	0.4	0.5	0.8	0.93
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-02/01/94	106	0.1	0.135	1.5	0.05	0.028	0.167	0.05	0.08	0.14	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-01/29/96	59	0.02	0.027	0.07	0.005	0.	0.015	0.01	0.02	0.03	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/20/96	117	0.03	0.039	0.22	0.005	0.001	0.038	0.01	0.01	0.05	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/75-07/23/96	130	6.	6.715	21.	3.	6.619	2.573	4.	4.9	8.325	9.95
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/85-07/23/96	32	36.	37.781	64.	19.	171.402	13.092	22.6	26.25	45.75	59.4
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/23/96	28	6.	6.821	11.	4.	5.041	2.245	4.	5.	7.75	11.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/15/88-07/23/96	29	9.	9.759	15.	5.	7.475	2.734	6.	8.	11.5	14.
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-08/20/96	54	10.2	10.459	19.9	2.4	12.49	3.534	5.75	8.475	12.5	15.1
01002	ARSENIC, TOTAL (UG/L AS AS)	03/15/71-04/28/93	11 ##	2.5	2.409	5.	0.5	3.341	1.828	0.5	1.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-04/28/93	9 ##	5.	4.	5.	0.5	3.938	1.984	0.5	2.75	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/70-04/28/93	11 ##	5.	5.545	10.	1.	6.273	2.505	1.8	5.	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	03/23/70-04/28/93	11 ##	5.	9.182	20.	5.	32.764	5.724	5.	5.	12.	19.8
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-04/28/93	11	5.	7.545	30.	1.	63.073	7.942	1.2	4.	10.	26.
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/70-04/28/93	11	10.	14.909	50.	5.	200.491	14.159	5.	5.	20.	46.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	91	100.	180.319	2600.	0.	93259.197	305.384	50.	50.	200.	480.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/26/70-02/01/94	91	2.	1.998	3.415	0.	0.213	0.462	1.699	1.699	2.301	2.68
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			99.622								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/16/70-06/12/79	21 ##	0.05	0.071	0.2	0.05	0.001	0.037	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/16/70-06/12/79	21	0.05	0.043	0.09	0.005	0.	0.018	0.008	0.035	0.05	0.058
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/70-04/28/93	12 ##	0.25	0.208	0.25	0.15	0.003	0.051	0.15	0.15	0.25	0.25

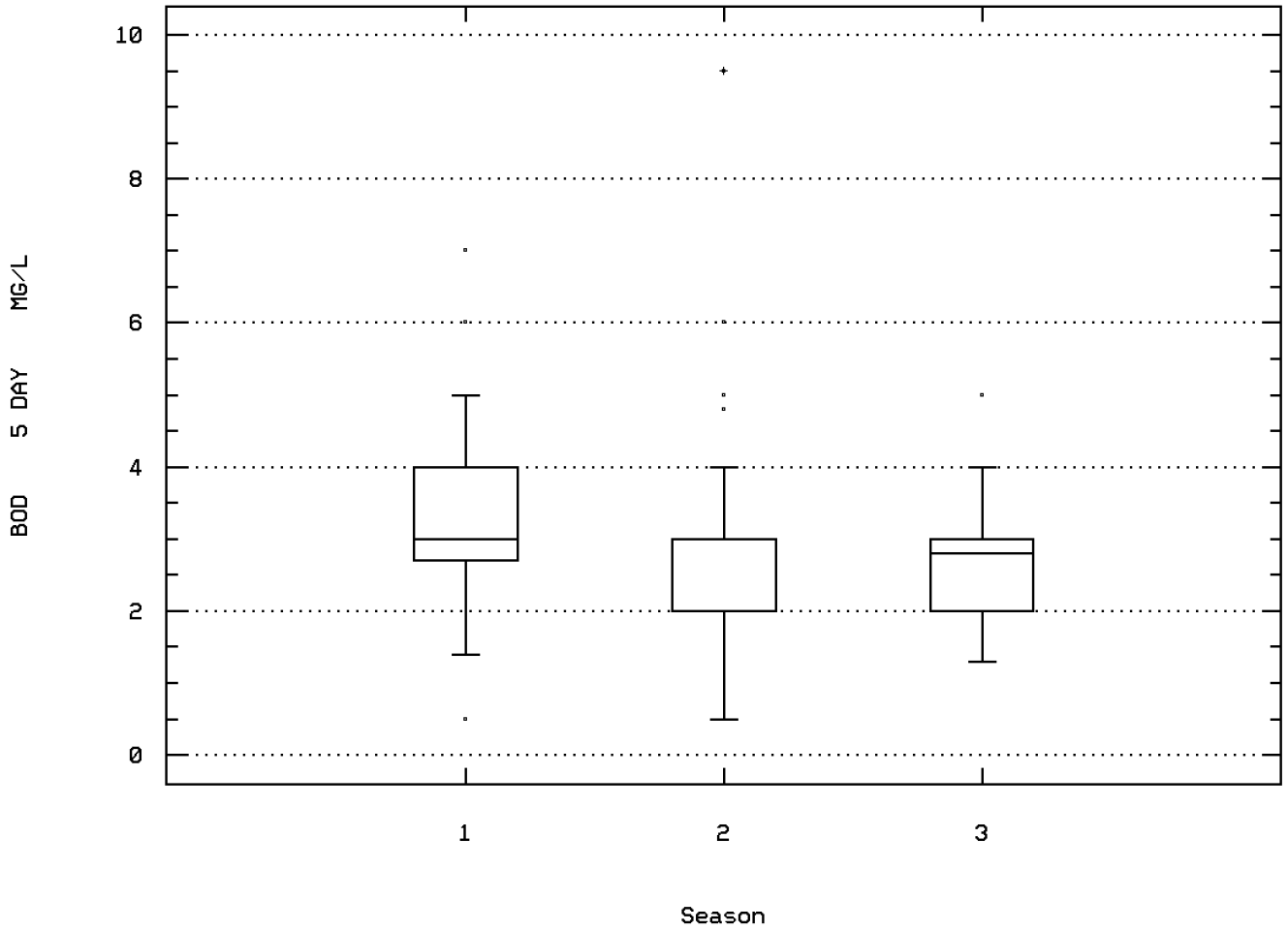
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



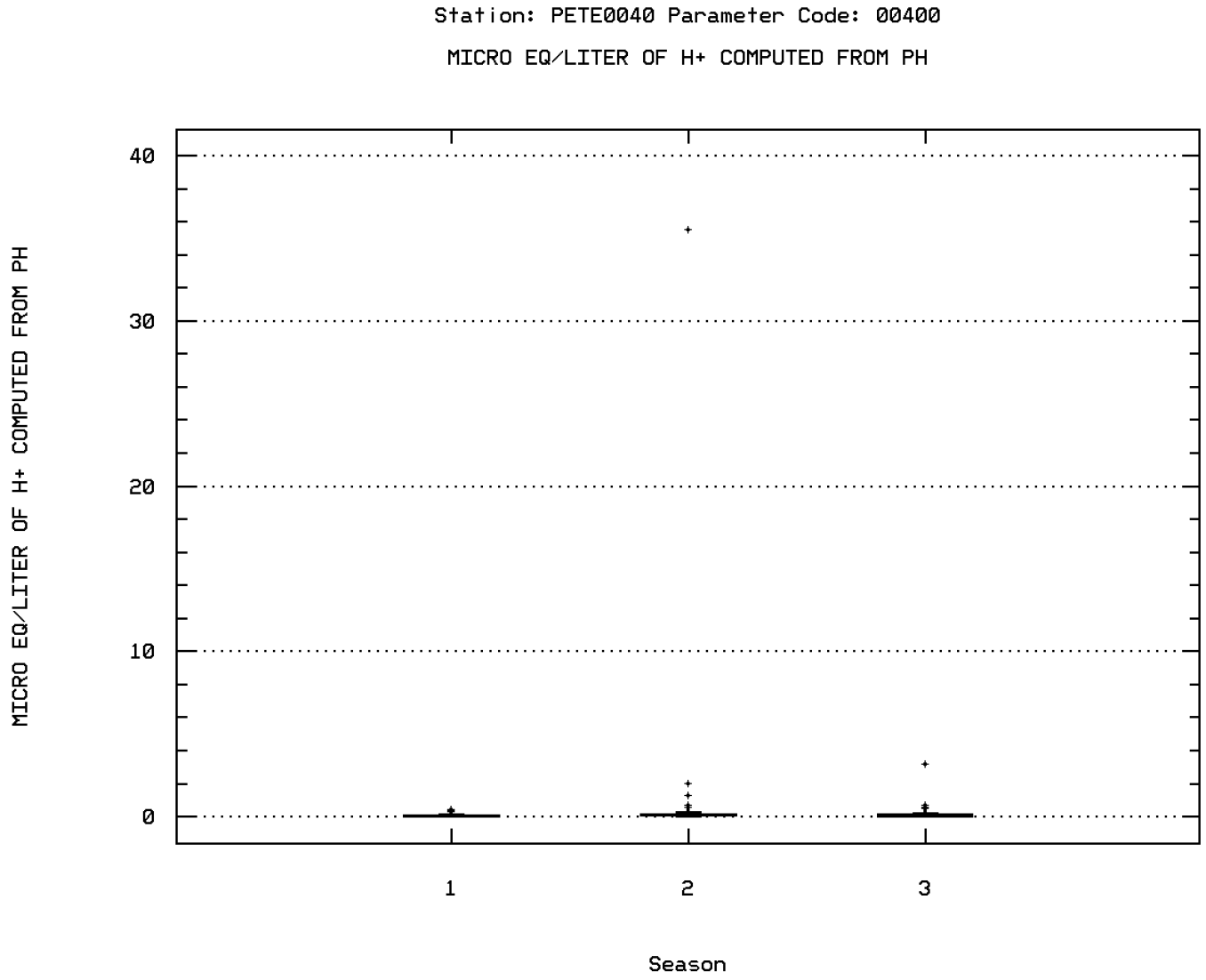
BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00310

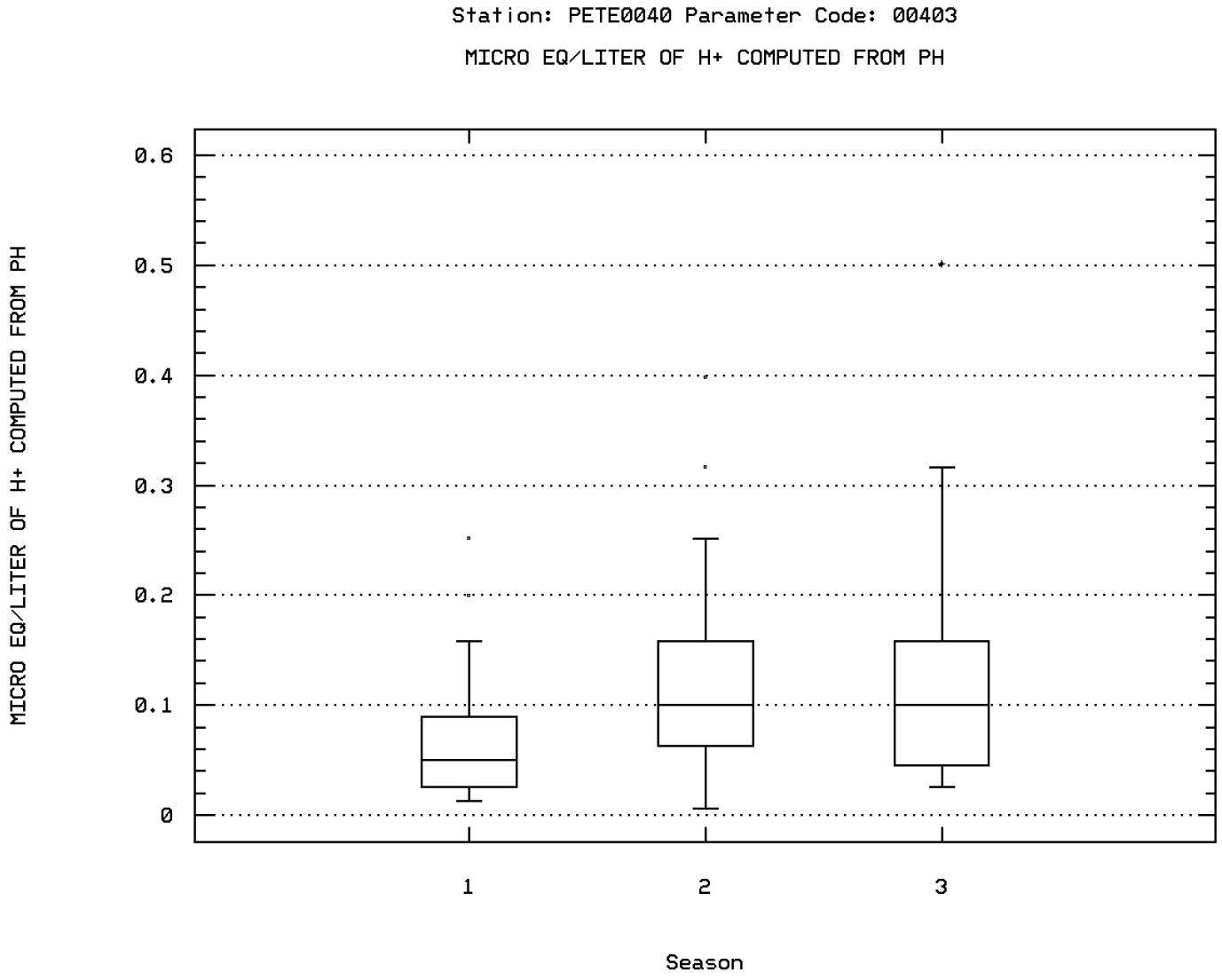
BOD, 5 DAY, 20 DEG C



BUOY 8 (CITY OF HOPEWELL)



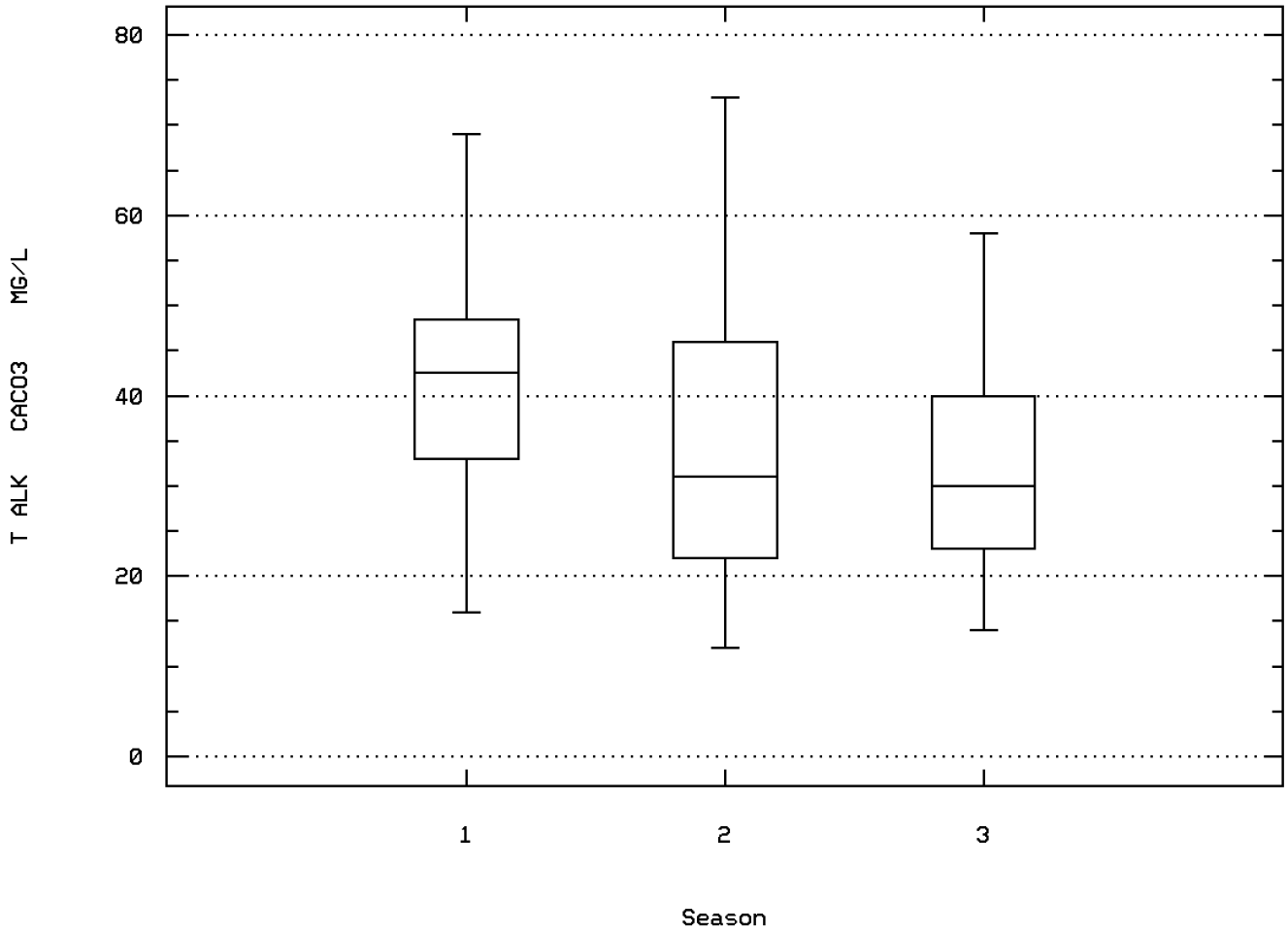
BUOY 8 (CITY OF HOPEWELL)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00410

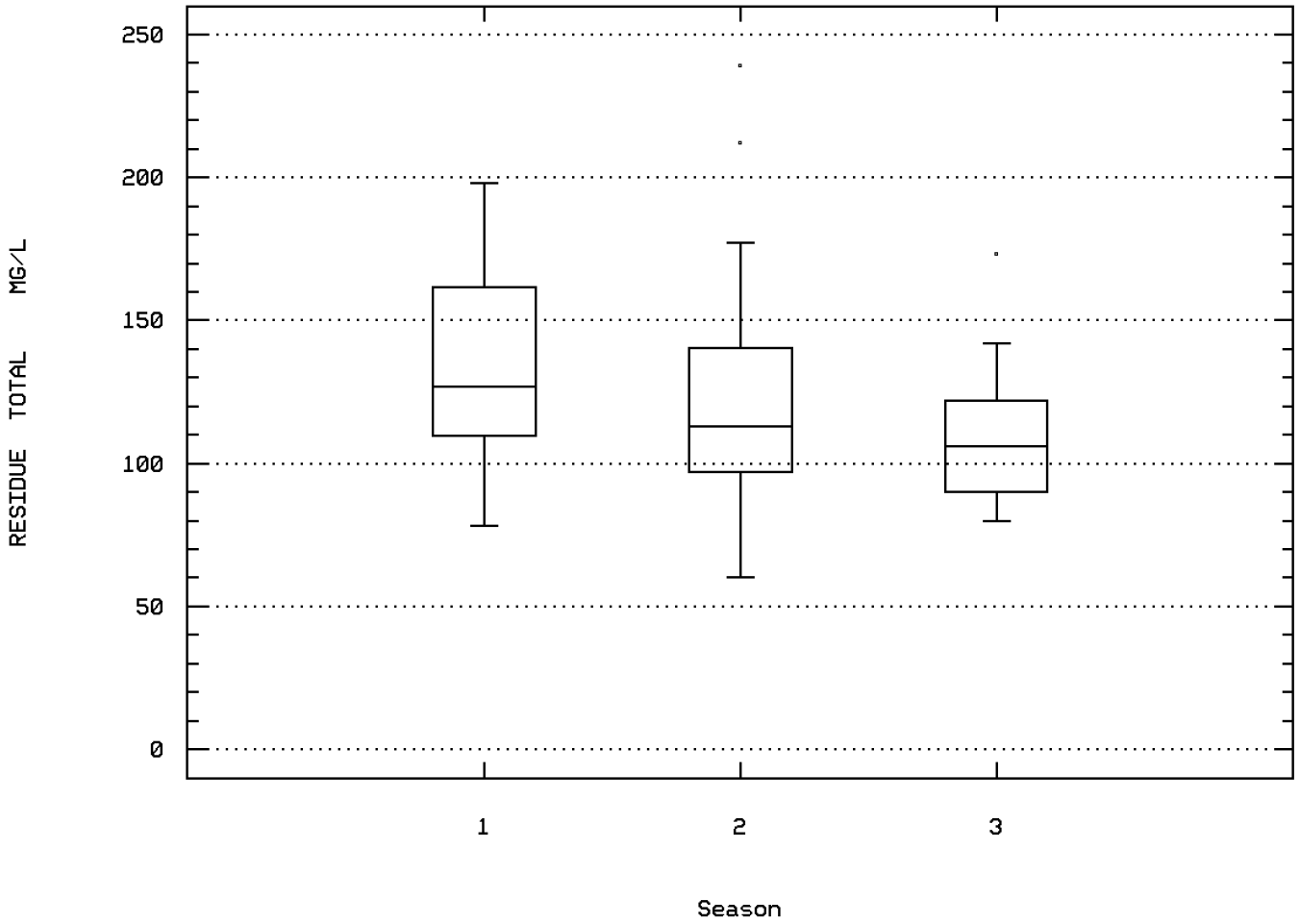
ALKALINITY, TOTAL (MG/L AS CACO3)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00500

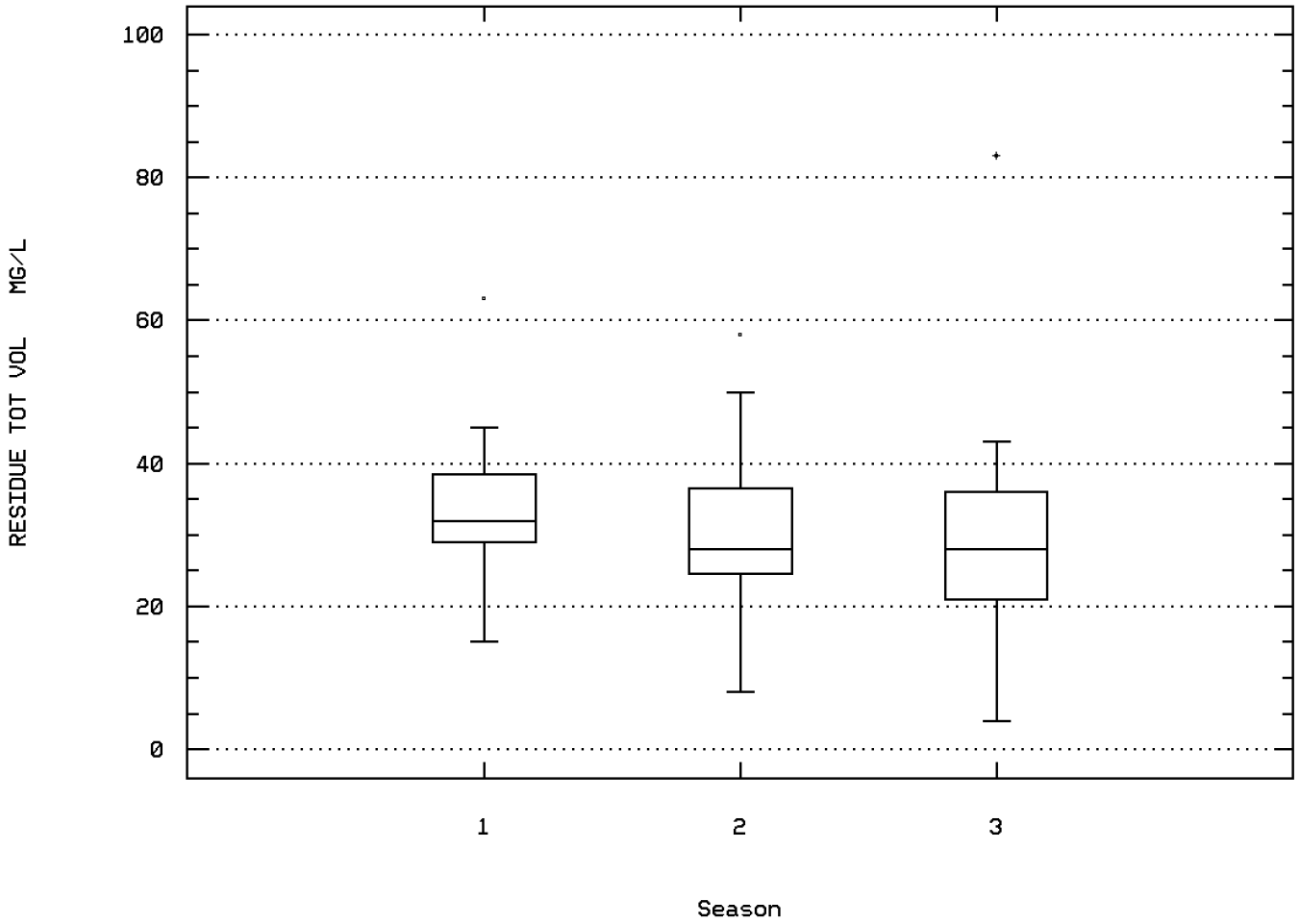
RESIDUE, TOTAL (MG/L)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00505

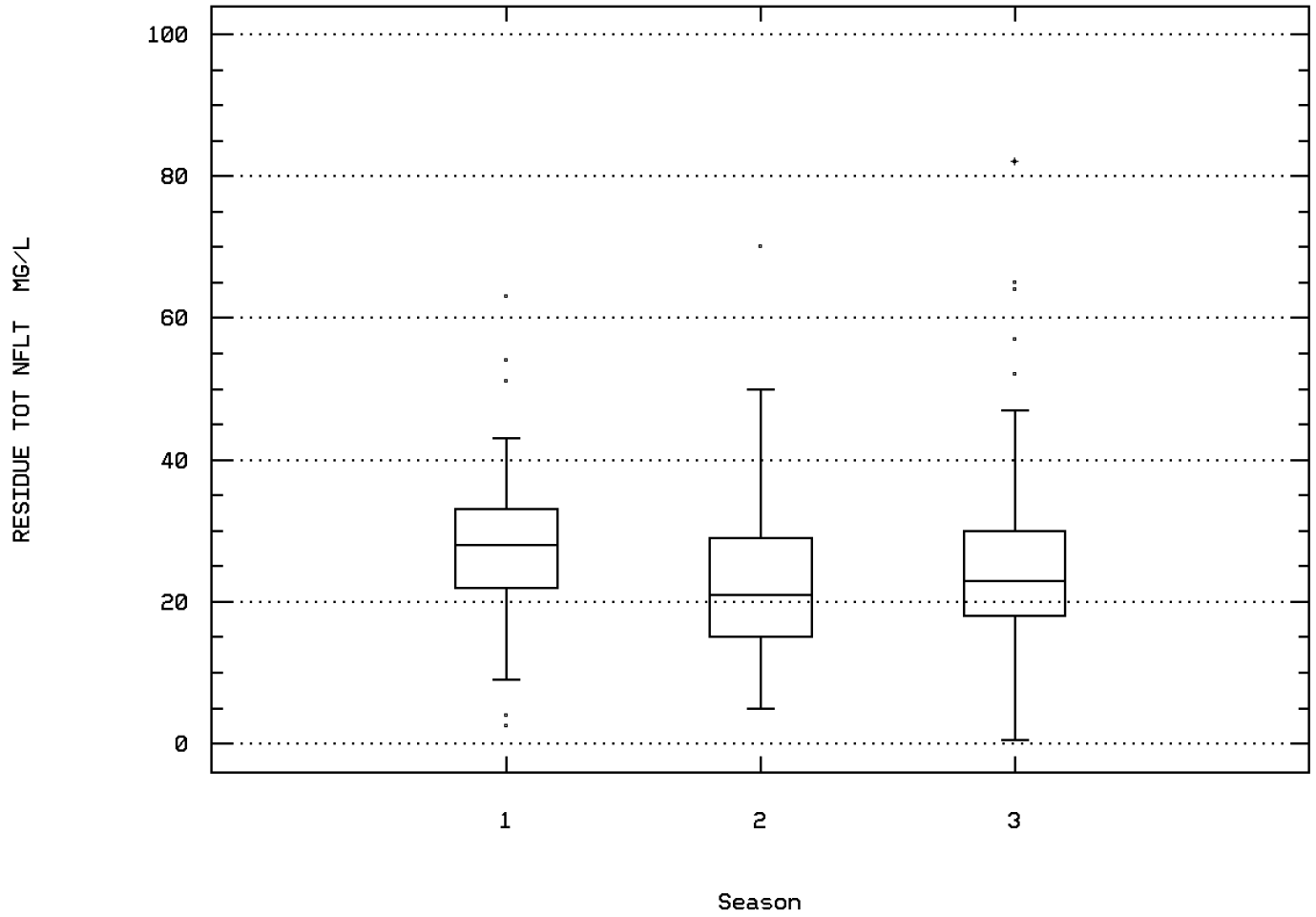
RESIDUE, TOTAL VOLATILE (MG/L)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00530

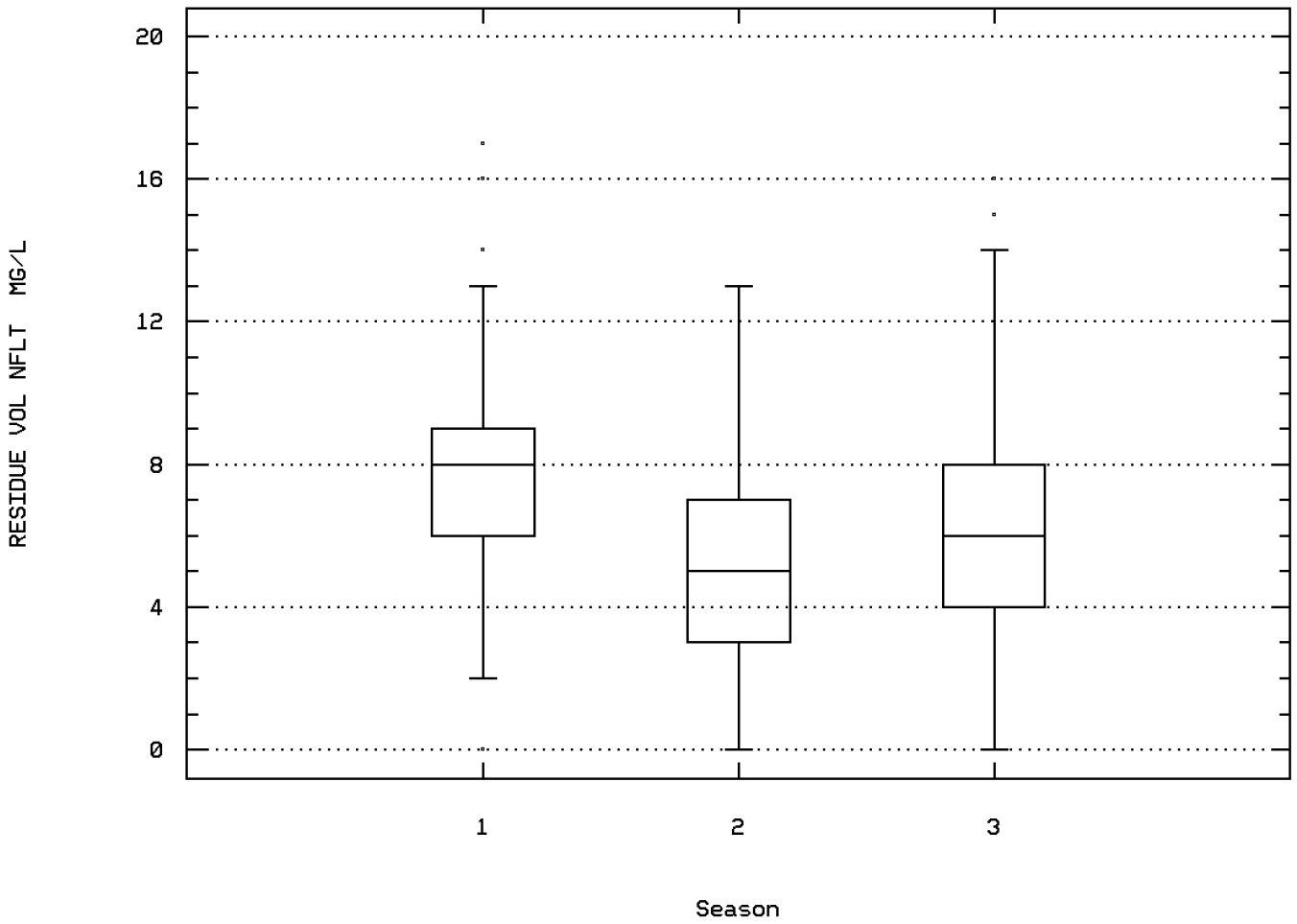
RESIDUE, TOTAL NONFILTRABLE (MG/L)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00535

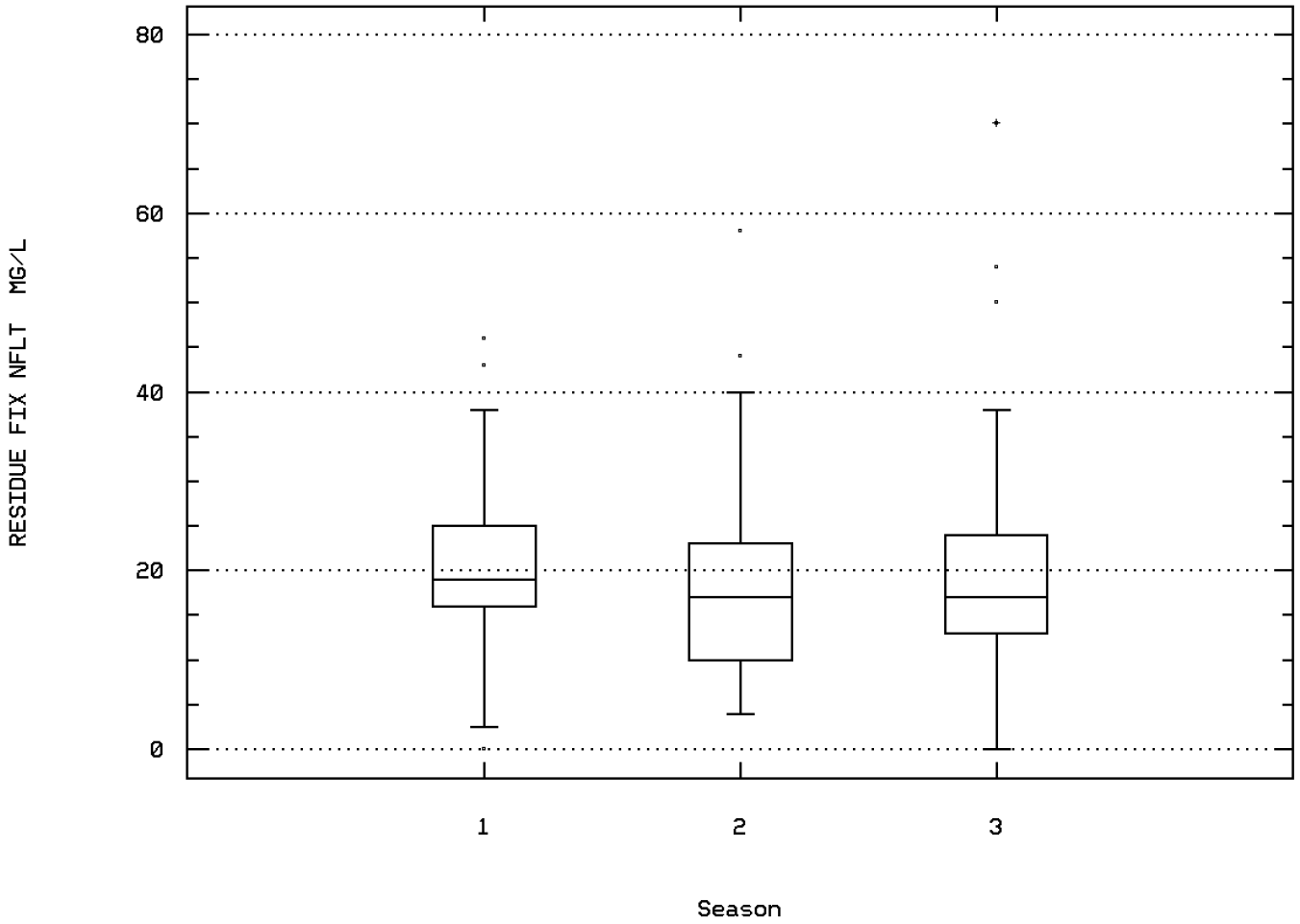
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



BUOY 8 (CITY OF HOPEWELL)

Station: PETE0040 Parameter Code: 00540

RESIDUE, FIXED NONFILTRABLE (MG/L)



BUOY 8 (CITY OF HOPEWELL)

Station Inventory for Station: PETE0041

NPS Station ID: PETE0041
LAT/LON: 37.316670/ -77.300004
Agency: CHESBAY
Date Created: 01/29/83
Location: VIMS STATION J65 - JEMES RIVER
FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQA9020
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02080206004101.70
RF3 Mile Point: 1.91
Distance from RF3: 0.40
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0041

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: PETE0042

NPS Station ID: PETE0042 LAT/LON: 37.357504/ -77.302782 Agency: 21VASWCB Date Created: / /
Location: BUOY 137 FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS087.01 /VA2-02AX0134/VA2-4X0134
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206045 RF1 Mile Point: 2.770 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206004500.00 RF3 Mile Point: 0.20 Distance from RF3: 0.21 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835108 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/20/96	89	23.7	21.592	32.6	0.	67.478	8.214	7.2	17.2	28.3	30.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/04/75-07/07/94	20	12.	13.26	33.	7.1	41.28	6.425	7.4	8.025	15.	21.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/07/94-07/23/96	24	17.4	23.504	154.	7.4	808.298	28.431	11.8	12.825	23.5	30.15
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/18/82-10/12/83	9 ##	0.105	0.221	0.7	0.09	0.06	0.245	0.09	0.09	0.353	0.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-08/20/96	53	213.	225.811	339.	126.	3775.079	61.442	158.4	171.	285.	325.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/07/94-07/23/96	24	182.	198.625	369.	116.	3635.897	60.298	123.5	156.25	228.5	282.
00096	SALINITY AT 25 DEGREES C (MG/ML)	09/08/94-08/20/96	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/94-08/20/96	46	8.35	8.463	13.4	4.9	4.404	2.099	6.	6.975	9.325	12.
00300	OXYGEN, DISSOLVED MG/L	05/26/74-07/07/94	44	7.55	7.655	12.6	4.1	2.353	1.534	5.6	6.625	8.575	9.5
00310	BOD, 5 DAY, 20 DEG C MG/L	05/26/74-07/23/96	39	2.5	2.474	5.	0.5	1.395	1.181	0.5	2.	3.	4.
00340	COD, .25N K2CR2O7 MG/L	06/04/75-07/23/96	55	15.	14.951	77.	0.3	112.518	10.607	3.2	10.	19.	23.
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	90	7.405	7.454	9.1	6.49	0.159	0.399	7.1	7.198	7.57	8.
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	90	7.405	7.306	9.1	6.49	0.181	0.426	7.1	7.197	7.57	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	90	0.039	0.049	0.324	0.001	0.002	0.048	0.01	0.027	0.063	0.079
00403	PH, LAB, STANDARD UNITS SU	05/26/74-07/23/96	25	7.2	7.268	7.8	6.7	0.085	0.291	6.9	7.1	7.5	7.74
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-07/23/96	25	7.2	7.182	7.8	6.7	0.093	0.304	6.9	7.1	7.5	7.74
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-07/23/96	25	0.063	0.066	0.2	0.016	0.002	0.042	0.018	0.032	0.079	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	28	46.5	48.357	71.	32.	98.757	9.938	35.8	41.25	54.5	64.2
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11/18/82-06/28/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/26/74-07/23/96	54	137.	141.63	241.	87.	1267.068	35.596	99.	115.75	156.5	191.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-07/23/96	54	35.5	38.019	98.	9.	256.471	16.015	22.	27.5	43.	61.
00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-07/23/96	54	108.	103.611	201.	21.	1280.506	35.784	54.5	75.5	116.75	146.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/81-10/03/83	4	176.	174.5	200.	146.	705.	26.552	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/23/96	63	18.	20.151	149.	1.5	334.562	18.291	7.4	12.	24.	30.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/23/96	63	4.	5.008	15.	0.	11.786	3.433	1.2	3.	6.	9.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/23/96	60	13.	15.325	134.	0.	298.287	17.271	4.	8.	19.	25.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-08/20/96	69	0.15	0.186	0.65	0.005	0.016	0.125	0.05	0.1	0.25	0.35
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	68	0.02	0.034	0.2	0.005	0.002	0.04	0.005	0.01	0.04	0.08
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	68	0.33	0.364	1.04	0.07	0.04	0.2	0.16	0.23	0.425	0.691
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	3	0.3	0.367	0.6	0.2	0.043	0.208	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-08/20/96	68	0.5	0.565	1.199	0.1	0.069	0.262	0.2	0.4	0.7	1.
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	3	0.8	0.8	1.	0.6	0.04	0.2	**	**	**	**

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

Parameter Inventory for Station: PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-08/20/96	42	0.1	0.115	0.4	0.05	0.004	0.059	0.053	0.087	0.12	0.2
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	08/16/83-10/03/83	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/19/80-07/07/94	17	0.07	0.135	0.8	0.	0.037	0.193	0.	0.04	0.155	0.44
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-07/23/96	40	5.6	5.87	10.	2.1	5.246	2.29	3.2	3.85	7.925	9.9
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/07/94-07/23/96	24	60.	62.375	100.	26.	240.071	15.494	44.	53.75	69.5	86.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/23/96	49	11.	13.224	35.	4.	52.719	7.261	6.	8.	17.5	24.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/07/94-07/23/96	24	18.	19.958	38.	10.	61.172	7.821	11.	13.5	25.	34.
01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-10/28/82	3 ##	1.	1.167	2.	0.5	0.583	0.764	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-10/28/82	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-10/28/82	7 ##	5.	3.071	5.	0.5	5.786	2.405	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-10/28/82	7	10.	11.429	20.	5.	39.286	6.268	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-10/28/82	7	3.	4.357	10.	0.5	13.56	3.682	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-05/22/78	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/16/81-10/28/82	4 ##	12.5	20.	50.	5.	450.	21.213	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-10/28/82	7	20.	22.143	70.	5.	540.476	23.248	**	**	**	**
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/26/74-05/26/74	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/26/74-05/26/74	1	4.176	4.176	4.176	4.176	0.	0.	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			15000.								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	3	930.	1253.333	2400.	430.	1048633.333	1024.028	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	3	2.968	2.994	3.38	2.633	0.14	0.374	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			986.403								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/07/94-08/20/96	49	110.	1056.857	16000.	9.	10539363.083	3246.439	9.	20.	330.	2200.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/07/94-08/20/96	49	2.041	2.095	4.204	0.954	0.711	0.843	0.954	1.301	2.519	3.342
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			124.458								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-07/07/94	41	50.	204.976	1500.	23.	125618.424	354.427	50.	50.	150.	700.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-07/07/94	41	1.699	1.995	3.176	1.362	0.198	0.445	1.699	1.699	2.151	2.845
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			98.835								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	4	31.	31.025	38.5	23.6	48.763	6.983	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	4	18.25	16.85	20.2	10.7	18.87	4.344	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/13/82-10/28/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/01/75-10/03/83	4	0.1	0.125	0.3	0.	0.022	0.15	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/26/74-04/24/79	26 ##	0.05	0.073	0.2	0.05	0.001	0.035	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-08/20/96	52	0.05	0.056	0.14	0.02	0.001	0.026	0.023	0.04	0.07	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-10/28/82	7 ##	0.15	0.193	0.25	0.15	0.003	0.053	**	**	**	**

** - 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: PETE0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	20	0	0.00	10	0	0.00	2	0	0.00	8	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	24	1	0.04	7	0	0.00	9	1	0.11	8	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	46	0	0.00	21	0	0.00	11	0	0.00	14	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	44	0	0.00	20	0	0.00	7	0	0.00	17	0	0.00			
00400	PH	Other-Hi Lim.	9.	90	1	0.01	41	1	0.02	18	0	0.00	31	0	0.00			
		Other-Lo Lim.	6.5	90	1	0.01	41	1	0.02	18	0	0.00	31	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	25	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	25	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	68	0	0.00	26	0	0.00	17	0	0.00	25	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	68	0	0.00	26	0	0.00	17	0	0.00	25	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	49	0	0.00	17	0	0.00	12	0	0.00	20	0	0.00			
		Drinking Water	250.	49	0	0.00	17	0	0.00	12	0	0.00	20	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	24	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00			
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						

& - 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: PETE0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00				2	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	2	0.29				2	1	0.50	5	1	0.20			
		Drinking Water	1300.	7	0	0.00				2	0	0.00	5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	15.	7	0	0.00				2	0	0.00	5	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.	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.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	5000.	7	0	0.00				2	0	0.00	5	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	3	1	0.33	3	1	0.33									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	49	19	0.39	24	7	0.29	11	5	0.45	14	7	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	41	10	0.24	19	4	0.21	6	1	0.17	16	5	0.31			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00				1	0	0.00	1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00				1	0	0.00	1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	4	2	0.50	3	2	0.67				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	2.	7	0	0.00				2	0	0.00	5	0	0.00			

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

Annual Analysis for 1974 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	7	7.5	7.386	7.5	7.1	0.025	0.157	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	7	7.5	7.359	7.5	7.1	0.026	0.16	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	7	0.032	0.044	0.079	0.032	0.	0.018	**	**	**	**

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

Annual Analysis for 1975 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	9	7.5	7.4	7.5	7.2	0.017	0.132	7.2	7.25	7.5	7.5
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	9	7.5	7.381	7.5	7.2	0.018	0.134	7.2	7.25	7.5	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	9	0.032	0.042	0.063	0.032	0.	0.014	0.032	0.032	0.057	0.063

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

Annual Analysis for 1976 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	4	7.5	7.475	7.6	7.3	0.016	0.126	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	4	7.5	7.461	7.6	7.3	0.016	0.127	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	4	0.032	0.035	0.05	0.025	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 1978 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	6	7.9	7.85	8.3	7.5	0.099	0.315	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	6	7.889	7.761	8.3	7.5	0.109	0.33	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	6	0.013	0.017	0.032	0.005	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 1979 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	3	8.2	8.233	8.5	8.	0.063	0.252	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	3	8.2	8.188	8.5	8.	0.066	0.258	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	3	0.006	0.006	0.01	0.003	0.	0.003	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	3	7.4	7.9	9.1	7.2	1.09	1.044	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	3	7.4	7.461	9.1	7.2	1.379	1.174	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	3	0.04	0.035	0.063	0.001	0.001	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

Annual Analysis for 1982 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	5	7.2	7.2	7.5	6.7	0.11	0.332	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	5	7.2	7.091	7.5	6.7	0.125	0.353	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	5	0.063	0.081	0.2	0.032	0.005	0.069	**	**	**	**

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

Annual Analysis for 1983 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	5	7.8	7.7	8.	7.1	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	5	7.8	7.56	8.	7.1	0.15	0.387	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	5	0.016	0.028	0.079	0.01	0.001	0.029	**	**	**	**

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

Annual Analysis for 1994 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	12	7.305	7.387	7.77	7.13	0.061	0.248	7.133	7.15	7.628	7.749
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	12	7.302	7.328	7.77	7.13	0.065	0.255	7.133	7.15	7.627	7.749
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	12	0.05	0.047	0.074	0.017	0.001	0.023	0.018	0.024	0.071	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

Annual Analysis for 1995 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	20	7.32	7.297	8.38	6.49	0.163	0.404	6.607	7.11	7.405	7.882
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	20	7.319	7.128	8.38	6.49	0.193	0.439	6.607	7.11	7.405	7.882
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	20	0.048	0.074	0.324	0.004	0.006	0.081	0.014	0.039	0.078	0.257

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

Annual Analysis for 1996 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	15	7.23	7.372	8.32	7.07	0.116	0.34	7.088	7.11	7.56	7.978
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	15	7.23	7.285	8.32	7.07	0.124	0.352	7.088	7.11	7.56	7.978
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	15	0.059	0.052	0.085	0.005	0.001	0.026	0.013	0.028	0.078	0.082

** - 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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/20/96	41	28.3	26.849	32.6	2.9	32.853	5.732	21.54	26.2	29.8	31.08
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/04/75-07/07/94	10	9.75	13.63	33.	7.4	68.778	8.293	7.4	7.85	19.25	31.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-08/20/96	23	229.	257.565	339.	182.	2707.893	52.037	191.4	214.	303.	332.6
00300	OXYGEN, DISSOLVED MG/L	05/26/74-07/07/94	20	7.3	7.03	8.8	5.1	1.209	1.099	5.3	6.125	7.75	8.59
00310	BOD, 5 DAY, 20 DEG C MG/L	05/26/74-07/23/96	12	3.	3.142	5.	2.	0.828	0.91	2.	2.5	3.975	4.7
00340	COD, .25N K2CR2O7 MG/L	06/04/75-07/23/96	18	15.5	17.683	77.	0.3	259.029	16.094	1.83	10.75	19.25	29.3
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	41	7.43	7.478	9.1	6.49	0.213	0.462	7.1	7.175	7.665	7.984
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	41	7.43	7.28	9.1	6.49	0.254	0.504	7.1	7.175	7.665	7.984
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	41	0.037	0.053	0.324	0.001	0.004	0.062	0.01	0.022	0.067	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	10	51.5	53.4	71.	40.	106.711	10.33	40.4	44.75	62.5	70.3
00500	RESIDUE, TOTAL (MG/L)	05/26/74-07/23/96	15	142.	152.133	227.	123.	830.124	28.812	126.6	132.	168.	209.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-07/23/96	15	30.	33.933	48.	21.	72.924	8.54	22.2	28.	41.	47.4
00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-07/23/96	15	113.	118.2	184.	76.	667.743	25.841	84.4	108.	128.	163.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/23/96	22	16.	17.25	34.	1.5	60.565	7.782	8.3	13.	22.	30.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/23/96	22	4.5	5.25	14.	0.	12.089	3.477	1.15	3.5	6.25	11.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/23/96	19	10.	12.079	28.	1.5	47.007	6.856	5.	8.	15.	25.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-08/20/96	27	0.1	0.151	0.4	0.005	0.011	0.105	0.05	0.08	0.22	0.314
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	26	0.035	0.056	0.2	0.005	0.003	0.056	0.009	0.018	0.073	0.151
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	26	0.34	0.406	0.9	0.16	0.042	0.205	0.16	0.265	0.555	0.73
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-08/20/96	26	0.6	0.592	1.099	0.2	0.073	0.27	0.2	0.3	0.8	0.93
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-08/20/96	15	0.1	0.101	0.2	0.05	0.001	0.037	0.05	0.07	0.12	0.152
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-07/23/96	14	7.85	7.221	10.	3.	6.268	2.504	3.4	4.4	9.25	10.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/23/96	17	14.	14.765	35.	4.	59.816	7.734	4.8	9.	20.5	25.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-07/07/94	19	50.	142.316	700.	23.	40973.895	202.42	45.	50.	100.	700.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-07/07/94	19	1.699	1.923	2.845	1.362	0.158	0.397	1.653	1.699	2.	2.845
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			83.732								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-08/20/96	19	0.05	0.052	0.1	0.03	0.	0.018	0.03	0.04	0.06	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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/20/96	18	12.	11.2	20.8	0.	34.348	5.861	3.96	5.9	16.525	19.18
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/04/75-07/07/94	2	14.5	14.5	15.	14.	0.5	0.707	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-08/20/96	14	227.	228.071	337.	126.	4687.764	68.467	141.	168.	289.	334.
00300	OXYGEN, DISSOLVED MG/L	05/26/74-07/07/94	7	9.6	9.486	12.6	6.1	3.675	1.917	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/26/74-07/23/96	13	2.	2.108	4.6	0.5	1.544	1.243	0.5	0.75	3.	3.96
00340	COD, .25N K2CR2O7 MG/L	06/04/75-07/23/96	15	18.	15.4	23.	2.	35.971	5.998	4.4	12.	19.	23.
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	18	7.3	7.337	8.2	6.7	0.091	0.302	7.069	7.148	7.5	7.606
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	18	7.297	7.248	8.2	6.7	0.1	0.316	7.069	7.147	7.5	7.606
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	18	0.05	0.057	0.2	0.006	0.002	0.041	0.027	0.032	0.071	0.09
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	9	47.	47.556	66.	32.	117.278	10.829	32.	39.	56.5	66.
00500	RESIDUE, TOTAL (MG/L)	05/26/74-07/23/96	15	155.	164.067	241.	107.	1506.067	38.808	115.4	134.	185.	235.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-07/23/96	15	39.	36.733	60.	21.	130.495	11.423	23.4	25.	43.	58.2
00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-07/23/96	15	120.	127.333	201.	69.	1247.524	35.32	76.8	106.	142.	193.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/23/96	16	17.5	25.313	149.	4.	1125.696	33.551	4.7	15.25	23.75	61.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/23/96	16	3.5	5.969	15.	1.5	20.149	4.489	1.85	3.	8.	15.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/23/96	16	13.5	19.313	134.	0.	984.229	31.372	0.	4.25	17.5	54.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-08/20/96	17	0.24	0.282	0.65	0.05	0.025	0.157	0.09	0.2	0.355	0.538
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	17	0.02	0.027	0.08	0.005	0.	0.022	0.005	0.01	0.045	0.064
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	17	0.4	0.463	1.04	0.2	0.049	0.221	0.28	0.33	0.54	0.912
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-08/20/96	17	0.5	0.582	1.1	0.3	0.073	0.27	0.3	0.4	0.75	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-08/20/96	14	0.115	0.139	0.4	0.05	0.008	0.087	0.065	0.08	0.178	0.3
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-07/23/96	13	4.9	5.354	10.	3.2	3.893	1.973	3.4	3.9	5.85	9.48
00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/23/96	12	15.	16.25	27.	6.	56.023	7.485	6.6	8.75	23.5	27.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-07/07/94	6 ##	75.	241.667	1100.	50.	177416.667	421.209	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more 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: 10/16 to 3/09 - Station PETE0042

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	05/26/74-07/07/94	6 ##	1.849	2.023	3.041	1.699	0.271	0.52	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			105.451								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-08/20/96	13	0.08	0.081	0.14	0.03	0.001	0.03	0.038	0.05	0.1	0.128

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/20/96	30	21.95	20.643	28.9	6.	32.28	5.682	9.68	18.1	24.5	27.15
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/04/75-07/07/94	8	12.	12.488	22.	7.1	22.23	4.715	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/19/80-08/20/96	16	171.	178.188	278.	127.	1082.563	32.902	147.3	159.25	190.75	229.7
00300	OXYGEN, DISSOLVED MG/L	05/26/74-07/07/94	17	8.	7.635	9.4	4.1	1.555	1.247	6.02	6.8	8.35	9.24
00310	BOD, 5 DAY, 20 DEG C MG/L	05/26/74-07/23/96	14	2.05	2.243	5.	0.5	1.349	1.161	0.75	1.15	3.	4.05
00340	COD, .25N K2CR2O7 MG/L	06/04/75-07/23/96	22	13.	12.409	24.	2.	42.348	6.508	2.6	7.75	16.5	22.8
00400	PH (STANDARD UNITS)	05/26/74-08/20/96	31	7.39	7.491	8.38	7.03	0.125	0.354	7.102	7.2	7.68	8.
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/20/96	31	7.39	7.384	8.38	7.03	0.137	0.37	7.102	7.2	7.68	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/20/96	31	0.041	0.041	0.093	0.004	0.001	0.025	0.01	0.021	0.063	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-07/23/96	9	45.	43.556	52.	34.	37.528	6.126	34.	37.	48.	52.
00500	RESIDUE, TOTAL (MG/L)	05/26/74-07/23/96	24	115.5	121.042	183.	87.	655.172	25.596	89.	100.	140.5	157.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-07/23/96	24	36.	41.375	98.	9.	443.462	21.059	16.	25.25	58.75	67.
00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-07/23/96	24	79.5	79.667	119.	21.	680.841	26.093	46.5	59.75	105.5	112.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/23/96	25	20.	19.4	36.	6.	81.667	9.037	6.6	11.5	26.	32.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/23/96	25	4.	4.18	9.	0.	5.893	2.428	0.3	2.5	6.	7.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/23/96	25	16.	15.24	32.	4.	63.94	7.996	4.	8.5	20.	26.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-08/20/96	25	0.13	0.159	0.35	0.05	0.007	0.085	0.056	0.1	0.2	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	25	0.01	0.015	0.04	0.005	0.	0.009	0.005	0.01	0.02	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-08/20/96	25	0.27	0.254	0.5	0.07	0.014	0.118	0.092	0.165	0.345	0.416
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-08/20/96	25	0.5	0.524	1.199	0.1	0.065	0.255	0.2	0.35	0.6	0.92
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/80-08/20/96	13	0.1	0.108	0.2	0.05	0.001	0.035	0.062	0.095	0.115	0.176
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/19/80-07/23/96	13	5.	4.931	8.	2.1	2.991	1.729	2.46	3.3	6.3	7.48
00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/23/96	20	9.	10.1	30.	4.	32.2	5.675	5.1	6.25	11.75	17.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-07/07/94	16	100.	265.625	1500.	50.	217239.583	466.09	50.	50.	200.	1430.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-07/07/94	16	2.	2.07	3.176	1.699	0.235	0.485	1.699	1.699	2.301	3.155
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			117.458								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-08/20/96	20	0.05	0.045	0.08	0.02	0.	0.018	0.02	0.023	0.058	0.069

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

Station Inventory for Station: PETE0043

NPS Station ID: PETE0043 LAT/LON: 37.217227/ -77.308616 Agency: 21VASWCB Date Created: 04/13/96
Location: BLACKWATER SWAMP, RT. 106 BRIDGE FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5ABKR014.01
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010202 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010202 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: BLACKWATER SWAMP SECTION: 02 TOPO MAP #: 0043 TOPO MAP NAME: PRINCE GEORGE, VA

Parameter Inventory for Station: PETE0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/94-03/10/95	2	6.05	6.05	6.6	5.5	0.605	0.778	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/94-03/10/95	2	72.	72.	79.	65.	98.	9.899	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/94-03/10/95	2	7.95	7.95	9.2	6.7	3.125	1.768	**	**	**	**
00400	PH (STANDARD UNITS)	12/15/94-03/10/95	2	5.635	5.635	5.64	5.63	0.	0.007	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/15/94-03/10/95	2	5.635	5.635	5.64	5.63	0.	0.007	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/15/94-03/10/95	2	2.318	2.318	2.344	2.291	0.001	0.038	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0043

				Total	Exceed	Prop.	7/01-10/15			10/16-3/09			3/10-6/30			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: PETE0044

NPS Station ID: PETE0044 LAT/LON: 37.249698/ -77.316753 Agency: 21VASWCB Date Created: / /
Location: RT. 630 BRIDGE BELOW FORT LEE FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-BLY005.73 /VA2-07-X0040/VA2-4X0040
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 1.60 On/Off RF1:
RF3 Index: 02080207002611.46 RF3 Mile Point: 11.47 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: BAILEY CREEK SECTION: 07 TOPO MAP #: 0139 TOPO MAP NAME: PRINCE GEORGE, VA

Parameter Inventory for Station: PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	76	16.	16.08	30.	1.2	58.831	7.67	5.35	10.	22.65	26.1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-03/24/81	17	114.	120.647	164.	88.	497.868	22.313	88.8	106.5	137.5	163.2
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	77	7.7	7.404	14.	1.2	8.304	2.882	3.5	5.55	9.15	11.32
00310	BOD, 5 DAY, 20 DEG C MG/L	06/09/73-03/24/81	20	1.5	7.9	70.	1.	315.147	17.752	1.	1.	2.75	42.1
00340	COD, .25N K2CR2O7 MG/L	08/14/79-03/24/81	17	11.	12.353	23.	3.	38.868	6.234	3.8	7.	17.	23.
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	73	6.5	6.57	7.5	5.5	0.116	0.341	6.04	6.5	6.9	7.
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	73	6.5	6.428	7.5	5.5	0.136	0.369	6.04	6.5	6.9	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	73	0.316	0.373	3.162	0.032	0.171	0.414	0.1	0.126	0.316	0.918
00403	PH, LAB, STANDARD UNITS SU	02/20/80-02/20/80	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/20/80-02/20/80	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/80-02/20/80	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/20/80-02/20/80	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/14/79-11/20/79	3	81.	81.333	91.	72.	90.333	9.504	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/14/79-11/20/79	3	23.	29.	45.	19.	196.	14.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/14/79-11/20/79	3	49.	52.333	62.	46.	72.333	8.505	**	**	**	**
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	04/17/78-04/17/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/79-03/24/81	17	9.	9.118	22.	2.5	56.017	7.484	2.5	2.5	15.5	22.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/14/79-03/24/81	17	3.	3.882	10.	1.	5.267	2.295	1.8	2.5	5.	7.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/14/79-03/24/81	17	2.5	6.118	19.	1.	31.892	5.647	1.8	2.5	9.5	16.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	75	4.	4.29	13.5	0.05	15.106	3.887	0.08	0.4	8.	10.
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	76	0.01	0.04	1.099	0.005	0.016	0.128	0.005	0.005	0.03	0.08
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	60	0.345	0.331	0.62	0.025	0.023	0.151	0.092	0.24	0.438	0.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	74	7.15	7.454	19.19	0.2	35.397	5.95	0.3	0.5	12.843	15.595
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	15	0.23	0.239	0.59	0.025	0.038	0.196	0.025	0.025	0.4	0.536
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-03/24/81	17	0.1	0.082	0.2	0.05	0.002	0.039	0.05	0.05	0.1	0.12
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-03/24/81	17	0.03	0.035	0.09	0.01	0.	0.02	0.01	0.025	0.04	0.074
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-03/24/81	17	7.	7.765	12.	3.	6.191	2.488	4.6	6.	10.	12.
01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-05/15/78	4 ##	1.	1.125	1.5	1.	0.063	0.25	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/30/80-09/30/80	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-05/15/78	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/30/80	1 ##	0.055	0.055	0.055	0.055	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/30/80	1	2.15	2.15	2.15	2.15	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/15/78	9 ##	5.	6.667	20.	5.	25.	5.	5.	5.	5.	20.

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

Parameter Inventory for Station: PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/15/78	9	10.	12.222	30.	5.	81.944	9.052	5.	5.	20.	30.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/80-09/30/80	1	0.68	0.68	0.68	0.68	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/14/73-05/15/78	8	12.5	11.813	20.	2.5	49.996	7.071	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/80-09/30/80	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/15/78	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/80-09/30/80	1	2.26	2.26	2.26	2.26	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/15/78	9	80.	75.556	110.	40.	702.778	26.51	40.	50.	100.	110.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/80-09/30/80	1	4.41	4.41	4.41	4.41	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	74 ##	50.	565.027	6000.	12.	1691510.054	1300.581	50.	50.	325.	1750.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	74 ##	1.699	2.103	3.778	1.079	0.432	0.657	1.699	1.699	2.508	3.243
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			126.798								
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-09/30/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	58	2.65	2.798	5.8	0.05	2.577	1.605	0.39	1.675	4.	5.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	59	2.199	2.301	8.7	0.02	2.612	1.616	0.27	1.199	3.199	4.5
71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/15/78	9 ##	0.25	0.3	0.7	0.25	0.023	0.15	0.25	0.25	0.25	0.7
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/80-09/30/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-3/09---------- Obs	Exceed	Prop.	----------3/10-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	77	13	0.17	19	6	0.32	30	1	0.03	28	6	0.21			
00400	PH	Other-Hi Lim.	9.	73	0	0.00	18	0	0.00	28	0	0.00	27	0	0.00			
		Other-Lo Lim.	6.5	73	48	0.66	18	13	0.72	28	16	0.57	27	19	0.70			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	76	1	0.01	19	1	0.05	30	0	0.00	27	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	60	0	0.00	14	0	0.00	23	0	0.00	23	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	50.	4	0	0.00				1	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.	9	0	0.00				3	0	0.00	6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	3	0.33				3	1	0.33	6	2	0.33			
		Drinking Water	1300.	9	0	0.00				3	0	0.00	6	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00				3	0	0.00	5	0	0.00			
		Drinking Water	15.	8	4	0.50				3	2	0.67	5	2	0.40			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00				2	0	0.00	6	0	0.00			
		Drinking Water	100.	8	0	0.00				2	0	0.00	6	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00				3	0	0.00	6	0	0.00			
		Drinking Water	5000.	9	0	0.00				3	0	0.00	6	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	74	22	0.30	19	7	0.37	29	8	0.28	26	7	0.27			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	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						
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00	1	0	0.00						
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	1	0	0.00	1	0	0.00						
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	1	0	0.00	1	0	0.00						
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00	1	0	0.00	1	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	2	0	0.00	1	0	0.00	1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	1	0	0.00	1	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						
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00				3	0	0.00	6	0	0.00			
		Drinking Water	2.	9	0	0.00				3	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

Annual Analysis for 1973 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	9	21.1	21.667	27.8	13.3	23.578	4.856	13.3	18.35	26.1	27.8
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	9	7.1	7.256	10.8	4.2	4.493	2.12	4.2	5.5	9.	10.8
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	8	6.4	6.388	6.8	6.	0.081	0.285	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	8	6.389	6.31	6.8	6.	0.088	0.297	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	8	0.409	0.49	1.	0.158	0.09	0.299	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	9	4.	5.311	10.	0.7	11.244	3.353	0.7	2.65	9.	10.
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	9	0.04	0.163	1.099	0.005	0.126	0.355	0.005	0.008	0.125	1.099
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	9	0.36	0.372	0.6	0.22	0.02	0.14	0.22	0.245	0.51	0.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	9	13.	11.178	16.	2.099	20.024	4.475	2.099	7.75	14.5	16.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	9 ##	50.	716.667	6000.	50.	3925625.	1981.319	50.	50.	75.	6000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	9 ##	1.699	1.963	3.778	1.699	0.473	0.688	1.699	1.699	1.849	3.778
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			91.926								

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

Annual Analysis for 1974 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	12	16.65	16.942	26.7	7.8	42.354	6.508	8.46	11.375	21.925	26.37
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	12	8.4	8.417	12.	3.8	5.218	2.284	4.58	7.1	9.6	12.
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	12	6.25	6.292	7.	5.5	0.203	0.45	5.65	6.	6.5	7.
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	12	6.182	6.096	7.	5.5	0.245	0.495	5.65	6.	6.5	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	12	0.658	0.802	3.162	0.1	0.7	0.836	0.1	0.316	1.	2.514
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	12	3.7	4.15	10.	1.399	5.521	2.35	1.489	2.899	4.75	9.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	12	0.03	0.058	0.14	0.005	0.002	0.05	0.005	0.02	0.105	0.137
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	12	0.365	0.39	0.62	0.21	0.016	0.125	0.219	0.298	0.475	0.599
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	12	7.	7.716	15.	4.299	8.935	2.989	4.539	5.625	9.5	13.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	12 ##	50.	687.5	6000.	50.	3022784.091	1738.616	50.	50.	87.5	4710.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	12 ##	1.699	2.025	3.778	1.699	0.499	0.706	1.699	1.699	1.925	3.614
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			105.912								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	10	16.65	16.72	25.6	7.2	48.844	6.989	7.37	8.9	24.025	25.48
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	10	6.2	6.49	11.1	2.6	10.699	3.271	2.62	3.4	10.5	11.07
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	10	6.5	6.53	7.	6.3	0.031	0.177	6.32	6.5	6.5	6.95
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	10	6.5	6.504	7.	6.3	0.032	0.179	6.32	6.5	6.5	6.95
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	10	0.316	0.313	0.501	0.1	0.009	0.095	0.122	0.316	0.316	0.483
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	10	7.1	5.735	10.	0.05	12.417	3.524	0.095	2.824	8.25	9.9
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	10	0.01	0.018	0.06	0.005	0.	0.019	0.005	0.005	0.033	0.058
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	10	0.255	0.228	0.43	0.025	0.02	0.141	0.026	0.113	0.315	0.429
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	10	9.244	8.188	14.5	0.2	26.226	5.121	0.32	3.35	13.093	14.45
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	9 ##	50.	305.556	1800.	50.	347152.778	589.197	50.	50.	325.	1800.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	9 ##	1.699	1.992	3.255	1.699	0.352	0.593	1.699	1.699	2.239	3.255
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			98.13								

** - 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 1976 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	7	17.8	17.714	27.8	6.1	63.455	7.966	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	8	6.4	5.613	10.	1.6	9.801	3.131	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	6	6.65	6.7	7.	6.5	0.052	0.228	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	6	6.625	6.653	7.	6.5	0.055	0.234	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	6	0.237	0.222	0.316	0.1	0.011	0.105	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	8	6.	7.325	13.5	1.	19.774	4.447	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	8	0.015	0.018	0.04	0.005	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	8	0.15	0.184	0.46	0.04	0.021	0.145	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	8	12.29	11.682	17.39	2.699	23.781	4.877	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	8 ##	75.	1262.5	6000.	50.	4641250.	2154.356	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	8 ##	1.849	2.374	3.778	1.699	0.779	0.883	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			236.502								

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

Annual Analysis for 1977 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	9	6.	10.511	23.	1.2	90.744	9.526	1.2	1.95	21.	23.
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	9	4.	5.356	9.	1.2	6.685	2.586	1.2	4.	8.1	9.
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	9	6.9	6.767	7.	6.5	0.065	0.255	6.5	6.5	7.	7.
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	9	6.9	6.701	7.	6.5	0.07	0.264	6.5	6.5	7.	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	9	0.126	0.199	0.316	0.1	0.012	0.112	0.1	0.1	0.316	0.316
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	8	9.5	8.112	11.	1.599	10.267	3.204	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	8	0.015	0.028	0.08	0.005	0.001	0.028	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	3	0.16	0.158	0.29	0.025	0.018	0.133	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	7	15.	13.407	19.19	3.699	24.331	4.933	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	8 ##	50.	56.25	100.	50.	312.5	17.678	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	8 ##	1.699	1.737	2.	1.699	0.011	0.106	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			54.525								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	8	20.	19.438	30.	3.	77.246	8.789	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	8	5.6	6.2	14.	1.9	12.434	3.526	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	7	6.5	6.643	7.	6.4	0.063	0.251	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	7	6.5	6.59	7.	6.4	0.066	0.257	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	7	0.316	0.257	0.398	0.1	0.013	0.115	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	7	4.	4.657	11.	0.9	15.947	3.993	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	8	0.015	0.016	0.03	0.01	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	7	9.6	9.771	18.4	1.599	42.421	6.513	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	7 ##	50.	157.143	800.	50.	80357.143	283.473	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	7 ##	1.699	1.871	2.903	1.699	0.207	0.455	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			74.3								

** - 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 1979 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	8	12.75	12.75	20.	5.	32.571	5.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	8	8.5	8.913	12.	7.6	2.216	1.488	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	8	6.7	6.738	7.	6.5	0.054	0.233	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	8	6.7	6.686	7.	6.5	0.057	0.239	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	8	0.2	0.206	0.316	0.1	0.01	0.1	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	8	0.1	1.081	4.	0.05	3.247	1.802	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	8	0.01	0.009	0.02	0.005	0.	0.005	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	4	0.43	0.423	0.47	0.36	0.002	0.046	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	8	0.35	2.063	7.3	0.3	10.063	3.172	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	8	75.	270.25	1200.	12.	166194.786	407.67	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	8	1.849	2.032	3.079	1.079	0.408	0.639	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			107.624								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	10	14.75	14.95	27.	4.	62.192	7.886	4.15	8.875	22.75	26.8
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	10	8.8	8.94	11.4	6.2	2.194	1.481	6.38	8.225	9.875	11.36
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	10	6.5	6.63	7.5	6.1	0.185	0.43	6.12	6.375	7.025	7.46
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	10	6.5	6.488	7.5	6.1	0.207	0.455	6.12	6.375	7.025	7.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	10	0.316	0.325	0.794	0.032	0.051	0.226	0.036	0.095	0.424	0.765
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	10	0.1	0.185	0.6	0.05	0.033	0.181	0.05	0.05	0.25	0.58
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	10 ##	0.008	0.014	0.06	0.005	0.	0.017	0.005	0.005	0.013	0.056
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	10	0.43	0.425	0.6	0.31	0.007	0.086	0.31	0.363	0.463	0.59
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	10	0.35	0.36	0.6	0.2	0.016	0.126	0.2	0.275	0.425	0.59
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	10	650.	1015.	3500.	50.	1163361.111	1078.592	65.	275.	1775.	3350.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	10	2.812	2.762	3.544	1.699	0.287	0.536	1.759	2.433	3.248	3.52
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			578.506								

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

Annual Analysis for 1981 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	3	10.	10.333	11.	10.	0.333	0.577	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	3	11.9	11.833	12.3	11.3	0.253	0.503	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	3	6.5	6.633	6.9	6.5	0.053	0.231	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	3	6.5	6.597	6.9	6.5	0.055	0.235	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	3	0.316	0.253	0.316	0.126	0.012	0.11	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	3	0.4	0.41	0.46	0.37	0.002	0.046	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	3	0.2	0.233	0.3	0.2	0.003	0.058	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	3 ##	50.	133.333	300.	50.	20833.333	144.338	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	3 ##	1.699	1.958	2.477	1.699	0.202	0.449	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			90.856								

** - Less than 9 observations ## - Computed with 50% or more 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 10/15 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	19	25.	23.668	30.	2.5	35.371	5.947	18.9	22.	27.	29.
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	19	5.8	4.995	8.	1.2	4.671	2.161	1.6	2.8	6.6	8.
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	18	6.5	6.539	7.	6.	0.078	0.279	6.	6.475	6.7	7.
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	18	6.5	6.453	7.	6.	0.086	0.293	6.	6.475	6.7	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	18	0.316	0.352	1.	0.1	0.064	0.254	0.1	0.2	0.337	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	19	4.	5.029	13.5	0.05	15.725	3.965	0.1	1.5	9.	11.
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	19	0.02	0.074	1.099	0.005	0.062	0.248	0.005	0.01	0.03	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	14	0.325	0.312	0.6	0.025	0.028	0.167	0.033	0.215	0.44	0.55
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	19	11.	9.729	19.19	0.4	36.169	6.014	0.5	5.099	14.	18.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	19 ##	50.	921.053	6000.	50.	3421476.608	1849.723	50.	50.	900.	6000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	19 ##	1.699	2.273	3.778	1.699	0.576	0.759	1.699	1.699	2.954	3.778
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			187.57								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	15	3.4	3.4	5.8	0.5	2.699	1.643	1.1	1.8	5.	5.68
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	16	3.	3.275	8.7	0.3	3.824	1.955	1.069	1.749	4.475	6.11

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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	29	10.	9.89	20.	1.2	23.492	4.847	3.	6.05	13.4	17.
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	30	9.15	9.333	14.	4.	4.624	2.15	6.66	7.8	11.15	12.
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	28	6.5	6.593	7.	5.5	0.136	0.368	6.09	6.5	6.975	7.
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	28	6.5	6.398	7.	5.5	0.175	0.418	6.09	6.5	6.975	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	28	0.316	0.4	3.162	0.1	0.345	0.588	0.1	0.106	0.316	0.815
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	30	2.65	3.698	11.	0.05	14.277	3.778	0.055	0.175	7.25	10.
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	30	0.01	0.021	0.14	0.005	0.001	0.029	0.005	0.005	0.02	0.058
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	23	0.43	0.406	0.62	0.21	0.011	0.104	0.264	0.29	0.46	0.56
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	30	6.	5.999	16.8	0.2	30.296	5.504	0.2	0.375	10.125	15.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	29 ##	50.	236.207	1800.	50.	199267.241	446.394	50.	50.	200.	700.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	29 ##	1.699	1.995	3.255	1.699	0.238	0.487	1.699	1.699	2.301	2.845
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			98.946								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	21	2.2	2.288	5.4	0.05	2.221	1.49	0.32	1.4	3.3	4.82
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	21	1.5	1.722	4.799	0.03	1.863	1.365	0.214	0.595	2.549	4.359

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-03/24/81	28	17.8	17.343	26.1	2.	32.142	5.669	9.72	13.9	21.775	24.01
00300	OXYGEN, DISSOLVED MG/L	04/18/73-03/24/81	28	7.4	6.971	12.3	1.8	6.878	2.623	3.55	4.7	9.	10.46
00400	PH (STANDARD UNITS)	04/18/73-03/24/81	27	6.5	6.567	7.5	6.	0.128	0.358	6.	6.4	6.9	7.02
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-03/24/81	27	6.5	6.444	7.5	6.	0.144	0.38	6.	6.4	6.9	7.02
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-03/24/81	27	0.316	0.36	1.	0.032	0.073	0.27	0.096	0.126	0.398	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-03/24/81	26	4.	4.433	13.	0.05	15.974	3.997	0.05	0.4	8.25	10.
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	27	0.02	0.039	0.18	0.005	0.002	0.045	0.005	0.005	0.06	0.114
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-03/24/81	23	0.28	0.266	0.55	0.025	0.023	0.152	0.034	0.16	0.4	0.492
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-03/24/81	25	8.	7.47	17.39	0.2	37.189	6.098	0.3	0.35	13.095	15.556
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	26 ##	50.	671.615	6000.	12.	2018995.846	1420.914	50.	50.	625.	3080.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-03/24/81	26 ##	1.699	2.099	3.778	1.079	0.546	0.739	1.699	1.699	2.795	3.487
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			125.599								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	22	2.95	2.875	5.4	0.05	2.556	1.599	0.23	2.125	4.025	5.14
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	22	2.299	2.147	4.199	0.02	1.628	1.276	0.088	1.199	3.124	3.769

** - Less than 9 observations ## - Computed 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: PETE0045

NPS Station ID: PETE0045 LAT/LON: 37.328892/ -77.317782 Agency: 21VASWCB Date Created: / /
Location: RT. 724 BRIDGE FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JOD001.96 /VA2-02BX0159/VA2-4X0159
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206004508.68 RF3 Mile Point: 10.85 Distance from RF3: 0.05 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JOHNSON CREEK SECTION: 02B TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/10/74-06/12/79	42	16.85	15.	27.5	1.	60.155	7.756	3.3	7.975	22.	23.79
00300	OXYGEN, DISSOLVED MG/L	09/10/74-06/12/79	42	8.4	7.66	14.6	1.2	12.242	3.499	2.36	4.4	10.4	11.74
00310	BOD, 5 DAY, 20 DEG C MG/L	10/16/74-10/16/74	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/10/74-06/12/79	40	6.5	6.347	7.5	4.5	0.439	0.663	5.51	6.125	6.675	7.
00400	CONVERTED PH (STANDARD UNITS)	09/10/74-06/12/79	40	6.5	5.547	7.5	4.5	1.096	1.047	5.51	6.125	6.675	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/10/74-06/12/79	40	0.316	2.839	31.623	0.032	69.268	8.323	0.1	0.212	0.753	3.097
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/12/79	41	0.3	1.118	8.	0.05	3.611	1.9	0.1	0.1	0.7	3.379
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/10/74-06/12/79	41 ##	0.005	0.009	0.04	0.005	0.	0.008	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/10/74-05/15/78	26	0.07	0.159	1.799	0.025	0.128	0.358	0.025	0.05	0.09	0.301
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/10/74-06/12/79	41	1.199	3.012	13.79	0.2	13.37	3.657	0.32	0.65	4.2	8.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	15	0.08	0.071	0.13	0.025	0.001	0.038	0.025	0.025	0.1	0.124
01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-05/15/78	4 ##	1.	1.125	1.5	1.	0.063	0.25	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-05/15/78	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/17/75-05/15/78	7 ##	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/17/75-05/15/78	7 ##	5.	7.143	20.	5.	32.143	5.669	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/17/75-05/15/78	7	6.	10.614	32.	0.8	133.375	11.549	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/17/75-05/15/78	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/17/75-05/15/78	7	20.	32.857	90.	10.	823.81	28.702	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/10/74-06/12/79	39 ##	50.	424.359	6000.	50.	1070904.184	1034.845	50.	50.	300.	1300.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/10/74-06/12/79	39 ##	1.699	2.1	3.778	1.699	0.337	0.581	1.699	1.699	2.477	3.114
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			125.856								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/10/74-06/12/79	41	0.3	1.363	8.8	0.05	5.106	2.26	0.05	0.1	1.85	3.84
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/10/74-06/12/79	41	0.24	1.099	7.5	0.005	2.819	1.679	0.032	0.1	1.8	3.519
71900	MERCURY, TOTAL (UG/L AS HG)	03/17/75-05/15/78	7 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	42	8	0.19	10	5	0.50	16	1	0.06	16	2	0.13			
00400	PH	Other-Hi Lim.	9.	40	0	0.00	10	0	0.00	15	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	40	28	0.70	10	5	0.50	15	12	0.80	15	11	0.73			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	41	0	0.00	10	0	0.00	15	0	0.00	16	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	26	0	0.00	5	0	0.00	8	0	0.00	13	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	50.	4	0	0.00				1	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				2	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14				2	0	0.00	5	1	0.20			
		Drinking Water	1300.	7	0	0.00				2	0	0.00	5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	15.	7	2	0.29				2	0	0.00	5	2	0.40			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	100.	7	0	0.00				2	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	5000.	7	0	0.00				2	0	0.00	5	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	39	14	0.36	10	6	0.60	15	3	0.20	14	5	0.36			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00				2	0	0.00	5	0	0.00			
		Drinking Water	2.	7	0	0.00				2	0	0.00	5	0	0.00			

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

Station Inventory for Station: PETE0046

NPS Station ID: PETE0046 LAT/LON: 37.307698/ -77.321726 Agency: 21VASWCB Date Created: / /
Location: SEABOARD RR TRESTLE FIPS State/County: 51670 VIRGINIA/HOPEWELL (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP002.96 /VA2-02AX0004/VA2-4X0004
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207001 RF1 Mile Point: 1.590 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02080206135700.96 RF3 Mile Point: 1.89 Distance from RF3: 0.05 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA
THIS STATION IS ALSO USED FOR SURVEY 835108

Parameter Inventory for Station: PETE0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/02/72-03/24/78	31	26.1	24.045	31.1	10.	26.49	5.147	16.7	21.1	27.8	29.3
00300	OXYGEN, DISSOLVED MG/L	05/02/72-03/24/78	34	8.	8.074	11.	6.	1.59	1.261	6.4	7.	8.85	9.9
00400	PH (STANDARD UNITS)	05/02/72-03/24/78	34	7.1	7.279	8.5	6.5	0.257	0.507	6.65	7.	7.5	8.
00400	CONVERTED PH (STANDARD UNITS)	05/02/72-03/24/78	34	7.1	7.067	8.5	6.5	0.303	0.551	6.65	7.	7.5	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/02/72-03/24/78	34	0.079	0.086	0.316	0.003	0.006	0.077	0.01	0.032	0.1	0.225
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/08/72-09/05/72	3	32.	33.	47.	20.	183.	13.528	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/08/72-09/05/72	3	7.	6.	10.	1.	21.	4.583	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/08/72-09/05/72	3	22.	27.	40.	19.	129.	11.358	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/72-03/24/78	29 ##	0.05	0.097	0.5	0.005	0.009	0.097	0.05	0.05	0.1	0.23
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/72-03/24/78	30 ##	0.005	0.017	0.12	0.005	0.001	0.025	0.005	0.005	0.02	0.057
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/72-08/13/76	29	0.17	0.2	0.78	0.01	0.028	0.167	0.025	0.115	0.235	0.36
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/72-03/24/78	30	0.4	0.413	0.7	0.2	0.014	0.12	0.21	0.3	0.5	0.59
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/78-03/24/78	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-09/05/72	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/72-05/27/76	2 ##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/72-05/27/76	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/72-05/27/76	8 ##	5.	8.125	20.	5.	28.125	5.303	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/02/72-05/27/76	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-05/27/76	7 ##	5.	7.	17.	2.	25.	5.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/27/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/72-05/27/76	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	33 ##	50.	209.394	3400.	10.	341662.121	584.519	50.	50.	100.	360.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	33 ##	1.699	1.926	3.531	1.	0.206	0.454	1.699	1.699	2.	2.552
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			84.253								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/08/72-03/24/78	30 ##	0.05	0.07	0.2	0.05	0.002	0.041	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/72-03/24/78	30 ##	0.05	0.045	0.08	0.01	0.	0.016	0.02	0.03	0.05	0.06
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-05/27/76	8 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	34	0	0.00	19	0	0.00	1	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	34	0	0.00	19	0	0.00	1	0	0.00	14	0	0.00			
		Other-Lo Lim.	6.5	34	1	0.03	19	1	0.05	1	0	0.00	14	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	30	0	0.00	16	0	0.00	1	0	0.00	13	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	29	0	0.00	16	0	0.00	1	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00							2	0	0.00			
		Drinking Water	50.	2	0	0.00							2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	4	0	0.00				4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	1300.	8	0	0.00	4	0	0.00				4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	15.	7	1	0.14	4	0	0.00				3	1	0.33			
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			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	5000.	8	0	0.00	4	0	0.00				4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	33	7	0.21	19	5	0.26	1	0	0.00	13	2	0.15			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	2.	8	0	0.00	4	0	0.00				4	0	0.00			

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

Station Inventory for Station: PETE0047

NPS Station ID: PETE0047 LAT/LON: 37.201115/ -77.335560 Agency: 21VASWCB Date Created: 04/13/96
Location: BLACKWATER SWAMP, RT. 460 BRIDGE FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5ABKR016.95
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010202 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010202 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: BLACKWATER SWAMP SECTION: 02 TOPO MAP #: 0043 TOPO MAP NAME: PRINCE GEORGE, VA

Parameter Inventory for Station: PETE0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/94-12/15/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/94-12/15/94	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/94-12/15/94	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/15/94-12/15/94	1	5.84	5.84	5.84	5.84	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/15/94-12/15/94	1	5.84	5.84	5.84	5.84	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/15/94-12/15/94	1	1.445	1.445	1.445	1.445	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0047

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 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	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						

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

Station Inventory for Station: PETE0048

NPS Station ID: PETE0048 LAT/LON: 37.312226/ -77.350309 Agency: 21VASWCB Date Created: / /
Location: BUOY 9 FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP004.69 /VA2-02AX0005/VA2-4X0005
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207001 RF1 Mile Point: 4.090 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000314.00 RF3 Mile Point: 17.28 Distance from RF3: 0.13 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA
THIS STATION IS ALSO USED FOR SURVEY 835108

Parameter Inventory for Station: PETE0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/02/72-03/24/78	33	26.1	23.409	30.	4.4	36.298	6.025	14.48	20.3	27.8	28.9
00300	OXYGEN, DISSOLVED MG/L	05/02/72-03/24/78	36	8.	8.344	16.8	5.8	4.133	2.033	6.	7.05	9.35	10.69
00400	PH (STANDARD UNITS)	05/02/72-03/24/78	36	7.2	7.325	8.5	6.5	0.214	0.463	6.91	7.	7.5	8.
00400	CONVERTED PH (STANDARD UNITS)	05/02/72-03/24/78	36	7.2	7.139	8.5	6.5	0.25	0.5	6.91	7.	7.5	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/02/72-03/24/78	36	0.063	0.073	0.316	0.003	0.004	0.064	0.01	0.032	0.1	0.13
00510	RESIDUE, TOTAL FIXED (MG/L)	08/09/72-08/09/72	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/05/72-09/05/72	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/09/72-09/05/72	2	6.	6.	6.	6.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/09/72-09/05/72	2	19.5	19.5	20.	19.	0.5	0.707	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/72-03/24/78	32	0.1	0.119	0.5	0.05	0.008	0.092	0.05	0.05	0.19	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/72-03/24/78	32 ##	0.005	0.009	0.05	0.005	0.	0.009	0.005	0.005	0.01	0.017
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/72-08/13/76	31	0.15	0.173	0.41	0.01	0.008	0.088	0.06	0.12	0.21	0.31
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/72-03/24/78	32	0.4	0.441	0.7	0.2	0.013	0.116	0.3	0.4	0.5	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/78-03/24/78	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-09/05/72	2	6.	6.	9.	3.	18.	4.243	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/72-05/27/76	2 ##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/72-05/27/76	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/72-05/27/76	8 ##	7.5	7.5	10.	5.	7.143	2.673	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/02/72-05/27/76	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-05/27/76	7 ##	5.	6.	11.	1.	11.667	3.416	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/27/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/72-05/27/76	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	35 ##	50.	325.714	4500.	50.	624172.269	790.046	50.	50.	200.	1000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	35 ##	1.699	2.07	3.653	1.699	0.264	0.513	1.699	1.699	2.301	3.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			117.43								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/08/72-03/24/78	32 ##	0.075	0.081	0.2	0.05	0.002	0.04	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/72-03/24/78	32	0.05	0.053	0.11	0.01	0.001	0.023	0.03	0.043	0.05	0.097
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-05/27/76	8 ##	0.25	0.638	2.5	0.25	0.655	0.809	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	36	0	0.00	19	0	0.00	2	0	0.00	15	0	0.00			
00400	PH	Other-Hi Lim.	9.	36	0	0.00	19	0	0.00	2	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	36	1	0.03	19	0	0.00	2	0	0.00	15	1	0.07			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	32	0	0.00	16	0	0.00	2	0	0.00	14	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	31	0	0.00	16	0	0.00	2	0	0.00	13	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00							2	0	0.00			
		Drinking Water	50.	2	0	0.00							2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	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.	8	0	0.00	3	0	0.00				5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	1300.	8	0	0.00	3	0	0.00				5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	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.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	5000.	8	0	0.00	3	0	0.00				5	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	35	11	0.31	19	7	0.37	2	0	0.00	14	4	0.29			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7 &	0	0.00	2	0	0.00				5	0	0.00			
		Drinking Water	2.	7 &	0	0.00	2	0	0.00				5	0	0.00			

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

Station Inventory for Station: PETE0049

NPS Station ID: PETE0049 LAT/LON: 37.297865/ -77.353087 Agency: 21VASWCB Date Created: / /
Location: BUOY 14 FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP005.84 /VA2-02AX0007/VA2-4X0007
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 0.720 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207118000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/02/72-03/24/78	33	25.6	23.67	31.1	10.	31.47	5.61	13.88	20.	27.8	28.9
00300	OXYGEN, DISSOLVED MG/L	05/02/72-03/24/78	35	7.8	8.234	16.	5.8	4.058	2.014	6.	6.8	9.2	10.8
00310	BOD, 5 DAY, 20 DEG C MG/L	07/15/73-07/15/73	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/02/72-03/24/78	36	7.05	7.264	8.2	6.6	0.188	0.433	6.7	7.	7.5	8.
00400	CONVERTED PH (STANDARD UNITS)	05/02/72-03/24/78	36	7.047	7.096	8.2	6.6	0.216	0.465	6.7	7.	7.5	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/02/72-03/24/78	36	0.09	0.08	0.251	0.006	0.004	0.064	0.01	0.032	0.1	0.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/09/72-09/05/72	2	30.	30.	32.	28.	8.	2.828	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/09/72-09/05/72	2	8.	8.	10.	6.	8.	2.828	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/09/72-09/05/72	2	22.	22.	26.	18.	32.	5.657	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/72-03/24/78	31	0.1	0.143	0.6	0.02	0.014	0.119	0.05	0.05	0.2	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/72-03/24/78	31 ##	0.005	0.009	0.03	0.005	0.	0.006	0.005	0.005	0.01	0.018
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/72-08/13/76	29	0.15	0.301	4.	0.03	0.513	0.716	0.05	0.11	0.245	0.31
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/72-03/24/78	31	0.5	0.448	0.9	0.1	0.029	0.169	0.2	0.3	0.5	0.68
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/78-03/24/78	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-07/15/73	3	5.	5.667	9.	3.	9.333	3.055	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/72-05/27/76	2 ##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/72-05/27/76	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/72-05/27/76	8 ##	5.	6.875	10.	5.	6.696	2.588	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/02/72-05/27/76	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-05/27/76	7	10.	111.571	735.	5.	75578.952	274.916	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/27/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/72-05/27/76	8 ##	5.	5.313	10.	2.5	4.353	2.086	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	35	100.	544.286	4300.	50.	935407.563	967.165	50.	50.	500.	2220.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/72-03/24/78	35	2.	2.267	3.633	1.699	0.371	0.609	1.699	1.699	2.699	3.345
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			185.037								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/08/72-03/24/78	31 ##	0.05	0.084	0.2	0.05	0.002	0.045	0.05	0.05	0.1	0.18
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/72-03/24/78	31	0.05	0.059	0.12	0.01	0.001	0.024	0.04	0.05	0.07	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-05/27/76	8 ##	0.25	0.281	0.5	0.25	0.008	0.088	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	35	0	0.00	19	0	0.00	2	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	36	0	0.00	19	0	0.00	2	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	36	0	0.00	19	0	0.00	2	0	0.00	15	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	31	0	0.00	16	0	0.00	2	0	0.00	13	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	29	0	0.00	16	0	0.00	2	0	0.00	11	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00							2	0	0.00			
		Drinking Water	50.	2	0	0.00							2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	4	0	0.00				4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	1300.	8	0	0.00	4	0	0.00				4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	1	0.14	4	0	0.00				3	1	0.33			
		Drinking Water	15.	7	1	0.14	4	0	0.00				3	1	0.33			
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			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	5000.	8	0	0.00	4	0	0.00				4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	35	16	0.46	19	9	0.47	2	1	0.50	14	6	0.43			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	2.	8	0	0.00	4	0	0.00				4	0	0.00			

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

Station Inventory for Station: PETE0050

NPS Station ID: PETE0050 LAT/LON: 37.289642/ -77.355671 Agency: 21VASWCB Date Created: / /
Location: BUOY 16 FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP006.41 /VA2-02AX0008/VA2-4X0008
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 1.630 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207027000.17 RF3 Mile Point: 0.44 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/72-07/08/74	9	27.2	25.778	28.9	18.	14.744	3.84	18.	23.35	28.35	28.9
00300	OXYGEN, DISSOLVED MG/L	07/31/72-07/08/74	11	7.4	7.909	12.8	6.	3.307	1.818	6.12	7.	8.4	12.
00400	PH (STANDARD UNITS)	07/31/72-07/08/74	11	7.1	7.118	7.5	6.5	0.14	0.374	6.5	7.	7.5	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/31/72-07/08/74	11	7.1	6.962	7.5	6.5	0.167	0.408	6.5	7.	7.5	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/72-07/08/74	11	0.079	0.109	0.316	0.032	0.011	0.106	0.032	0.032	0.1	0.316
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/09/72-08/09/72	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/09/72-08/09/72	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/09/72-08/09/72	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/72-07/08/74	10	0.115	0.157	0.3	0.05	0.009	0.096	0.05	0.088	0.248	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/31/72-07/08/74	10 ##	0.008	0.01	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/31/72-07/08/74	10	0.15	0.17	0.5	0.05	0.016	0.127	0.051	0.098	0.183	0.472
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/72-07/08/74	10	0.5	0.53	0.8	0.3	0.031	0.177	0.3	0.375	0.65	0.8
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/72-08/09/72	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/31/72-08/09/72	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/31/72-05/03/73	4	10.	8.75	10.	5.	6.25	2.5	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/31/72-05/03/73	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/31/72-10/04/72	3	10.	8.333	10.	5.	8.333	2.887	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/31/72-05/03/73	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/31/72-07/08/74	10	450.	930.	4100.	100.	1566777.778	1251.71	110.	200.	1250.	3890.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/31/72-07/08/74	10	2.628	2.685	3.613	2.	0.257	0.507	2.03	2.301	3.075	3.582
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			484.209								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/31/72-07/08/74	10 ##	0.05	0.065	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/31/72-07/08/74	10	0.05	0.069	0.12	0.03	0.001	0.032	0.031	0.048	0.1	0.118
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/72-05/03/73	4 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	6	0	0.00				5	0	0.00			
00400	PH	Other-Hi Lim.	9.	11	0	0.00	6	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	11	2	0.18	6	1	0.17				5	1	0.20			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	5	0	0.00				5	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	5	0	0.00				5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	3	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	1300.	4	0	0.00	3	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	3	0	0.00									
		Drinking Water	15.	3	0	0.00	3	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.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	5000.	4	0	0.00	3	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	9	0.90	6	6	1.00				4	3	0.75			
71900	MERCURY, TOTAL	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			

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

Station Inventory for Station: PETE0051

NPS Station ID: PETE0051 LAT/LON: 37.280004/ -77.358337 Agency: 21VASWCB Date Created: 06/10/89
Location: STA #11 S BR ABOUT 1/2 MI DOWN FROM HARRISON BR FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP007.11
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 9.10 On/Off RF1:
RF3 Index: 02080206141000.00 RF3 Mile Point: 0.30 Distance from RF3: 0.34 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDEIES NO: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0051

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0052

NPS Station ID: PETE0052 LAT/LON: 37.250005/ -77.358892 Agency: 21VASWCB Date Created: 06/25/94
Location: JAMES RIVER, OFF PRESQUE ISLE SWAMP FIPS State/County: 51036 VIRGINIA/CHARLES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS080.76
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2- JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/94-08/15/96	23	25.7	25.17	32.3	16.6	16.92	4.113	17.9	22.3	28.1	29.84
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-08/15/96	20	198.5	223.55	326.	168.	3036.366	55.103	169.5	178.	280.5	317.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/95-07/31/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/94-08/15/96	23	7.5	7.6	10.5	5.7	1.314	1.146	6.14	6.8	8.2	9.4
00400	PH (STANDARD UNITS)	07/14/94-08/15/96	23	7.28	7.336	8.34	6.47	0.17	0.412	6.8	7.16	7.51	8.03
00400	CONVERTED PH (STANDARD UNITS)	07/14/94-08/15/96	23	7.28	7.164	8.34	6.47	0.2	0.448	6.8	7.16	7.51	8.03
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/94-08/15/96	23	0.052	0.068	0.339	0.005	0.005	0.073	0.009	0.031	0.069	0.17
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/94-08/01/96	24	61.5	1008.708	16000.	9.	10766696.216	3281.264	9.	25.	327.5	2600.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/94-08/01/96	24	1.773	2.047	4.204	0.954	0.735	0.857	0.954	1.376	2.515	3.387
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			111.366								

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

EPA Water Quality Criteria Analysis for Station: PETE0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	0	0.00	14	0	0.00	2	0	0.00	7	0	0.00			
00400	PH	Other-Hi Lim.	9.	23	0	0.00	14	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	23	1	0.04	14	1	0.07	2	0	0.00	7	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	24	11	0.46	15	7	0.47	2	1	0.50	7	3	0.43			

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

Station Inventory for Station: PETE0053

NPS Station ID: PETE0053 LAT/LON: 37.221143/ -77.358892 Agency: 11NPSWRD Date Created: 08/24/96
Location: Harrison Creek Just South of Hickory Hill Road FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PETE_HU
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 88 Water Body Id:
Minor Basin: JAMES RIVER ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
Harrison Creek just south of Hickory Hill Road just outside the Petersburg N.B. boundary directly above sewage lift station.
Water quality station is located on the Prince George VA 7.5 Minute USGS quadrangle.
Station is the responsibility of Petersburg National Battlefield - Division of Resource Management - Dave Shockley (804-732-0171) at P.O.
Box 549 Route 36 East - Petersburg VA 23804. Water quality has been monitored at this station since the late 1980s;
however - no data were deemed of sufficient quality to upload until 1996. Data processed and uploaded to STORET by Dean Tucker - NPS Water
Resources Division - 1201 Oak Ridge Dr. Suite 250 Fort Collins CO 80525 Phone: (970)-225-3516 Fax: (970)-225-9965.

Parameter Inventory for Station: PETE0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-06/24/96	15	12.	11.647	25.1	3.7	43.994	6.633	4.66	5.6	16.3	23.66
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-06/24/96	2	224.	224.	268.	180.	3872.	62.225	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/29/96-06/24/96	6	11.35	10.55	14.	5.9	10.867	3.297	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/22/96-06/24/96	15	6.68	6.669	6.95	6.24	0.034	0.185	6.39	6.53	6.81	6.944
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/22/96-06/24/96	15	6.68	6.63	6.95	6.24	0.036	0.19	6.39	6.53	6.81	6.944
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/22/96-06/24/96	15	0.209	0.234	0.575	0.112	0.013	0.115	0.114	0.155	0.295	0.424
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	10	90.	133.5	570.	30.	24666.944	157.057	31.	66.25	120.	528.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	10	1.954	1.974	2.756	1.477	0.118	0.343	1.49	1.807	2.075	2.698
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			94.171								

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

EPA Water Quality Criteria Analysis for Station: PETE0053

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00				1	0	0.00	5	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	15	0	0.00				5	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	15	2	0.13				5	1	0.20	10	1	0.10			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	1	0.10				4	1	0.25	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: PETE0054

NPS Station ID: PETE0054 LAT/LON: 37.222226/ -77.359198 Agency: 11NPSWRD Date Created: 08/24/96
Location: Harrison Creek Just North of Hickory Hill Road FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PETE_HM
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 85 Water Body Id:
Minor Basin: JAMES RIVER ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
Harrison Creek just north of Hickory Hill Road just inside the Petersburg National Battlefield boundary.
Water quality station is located on the Prince George VA 7.5 Minute USGS quadrangle.
Station is the responsibility of Petersburg National Battlefield - Division of Resource Management - Dave Shockley (804-732-0171) at P.O.
Box 549 Route 36 East - Petersburg VA 23804. Water quality has been monitored at this station since the late 1980s;
however - no data were deemed of sufficient quality to upload until 1996. Data processed and uploaded to STORET by Dean Tucker - NPS Water
Resources Division - 1201 Oak Ridge Dr. Suite 250 Fort Collins CO 80525 Phone: (970)-225-3516 Fax: (970)-225-9965.

Parameter Inventory for Station: PETE0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-06/24/96	15	10.6	11.333	24.9	3.6	50.158	7.082	4.2	4.8	16.3	24.72
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-06/24/96	2	222.	222.	277.	167.	6050.	77.782	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/29/96-06/24/96	6	10.45	10.167	14.5	5.4	11.371	3.372	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/22/96-06/24/96	15	6.8	6.779	7.2	6.17	0.064	0.253	6.404	6.65	6.94	7.146
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/22/96-06/24/96	15	6.8	6.702	7.2	6.17	0.07	0.265	6.404	6.65	6.94	7.146
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/22/96-06/24/96	15	0.158	0.199	0.676	0.063	0.022	0.147	0.072	0.115	0.224	0.436
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	10	182.5	176.5	350.	60.	9216.944	96.005	61.	96.25	221.25	346.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	10	2.261	2.185	2.544	1.778	0.064	0.253	1.785	1.977	2.334	2.539
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			152.966								

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

EPA Water Quality Criteria Analysis for Station: PETE0054

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00				1	0	0.00	5	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	15	0	0.00				5	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	15	1	0.07				5	0	0.00	10	1	0.10			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	2	0.20				4	2	0.50	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: PETE0055

NPS Station ID: PETE0055 LAT/LON: 37.280004/ -77.363615 Agency: 21VASWCB Date Created: 12/07/84
Location: APPOMATTOX RIVER AT THE END OF CONDUIT ROAD FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP007.30
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 2.220 Distance from RF1: 12.60 On/Off RF1: OFF
RF3 Index: 02080206138300.00 RF3 Mile Point: 2.33 Distance from RF3: 0.28 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835108 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/83-10/03/83	3	25.5	23.833	25.5	20.5	8.333	2.887	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-04/24/84	9 ##	0.06	0.126	0.685	0.045	0.044	0.21	0.045	0.045	0.068	0.685
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/83-10/03/83	3	170.	173.333	210.	140.	1233.333	35.119	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/16/83-10/03/83	3	11.5	11.267	12.4	9.9	1.603	1.266	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/83-10/03/83	3	8.3	8.333	8.7	8.	0.123	0.351	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/83-10/03/83	3	8.3	8.246	8.7	8.	0.135	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/83-10/03/83	3	0.005	0.006	0.01	0.002	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/83-10/03/83	3	47.	59.667	94.	38.	904.333	30.072	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/16/83-10/03/83	3	147.	134.	149.	106.	589.	24.269	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/83-10/03/83	3	20.	18.167	32.	2.5	220.083	14.835	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/83-10/03/83	3	9.	8.5	14.	2.5	33.25	5.766	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/16/83-10/12/83	6 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/16/83-10/03/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/83-10/03/83	3	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	3	0.4	0.4	0.5	0.3	0.01	0.1	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/16/83-10/03/83	3	0.9	0.9	1.1	0.7	0.04	0.2	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	3	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/83-10/03/83	4	0.1	0.087	0.1	0.05	0.001	0.025	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	08/16/83-10/12/83	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/83-10/03/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/16/83-10/03/83	3	12.	12.333	14.	11.	2.333	1.528	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	3	2400.	3133.333	4600.	2400.	1613333.333	1270.171	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	3	3.38	3.474	3.663	3.38	0.027	0.163	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2981.216								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/16/83-10/03/83	3	43.	92.	210.	23.	10543.	102.679	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/16/83-10/03/83	3	1.633	1.772	2.322	1.362	0.245	0.495	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			59.22								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	4	69.85	64.8	74.8	44.7	186.82	13.668	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	4	23.45	23.65	29.4	18.3	20.79	4.56	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/16/83-10/03/83	3	0.1	0.1	0.2	0.	0.01	0.1	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	3	3	1.00	3	3	1.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	1	0.33	3	1	0.33									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	2	0.67	3	2	0.67									

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

Station Inventory for Station: PETE0056

NPS Station ID: PETE0056 LAT/LON: 37.232337/ -77.364142 Agency: 11NPSWRD Date Created: 08/24/96
Location: Harrison Creek at Petersburg Park Tour Road FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PETE_HD
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 45 Water Body Id:
Minor Basin: JAMES RIVER ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
Harrison Creek at intersection with Petersburg N.B. Park Tour Road. Water quality station is located on the Prince George VA 7.5
Minute USGS quadrangle. Station is the responsibility of Petersburg National Battlefield -
Division of Resource Management - Dave Shockley (804-732-0171) at P.O. Box 549 Route 36 East - Petersburg VA 23804.
Water quality has been monitored at this station since the late 1980s; however - no data were deemed of sufficient quality to upload until
1996. Data processed and uploaded to STORET by Dean Tucker - NPS Water Resources Division - 1201 Oak Ridge Dr. Suite 250 Fort Collins CO 80525
Phone: (970)-225-3516 Fax: (970)-225-9965.

Parameter Inventory for Station: PETE0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-07/22/96	18	13.05	13.472	25.4	2.9	59.393	7.707	4.07	5.2	21.525	24.14
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-07/22/96	5	169.	169.6	181.	155.	115.8	10.761	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/29/96-07/22/96	9	6.8	9.344	15.	5.4	15.775	3.972	5.4	6.1	13.8	15.
00406	PH, FIELD, STANDARD UNITS SU	01/22/96-07/22/96	18	6.74	6.744	7.27	6.07	0.09	0.301	6.277	6.573	6.998	7.198
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/22/96-07/22/96	18	6.74	6.641	7.27	6.07	0.102	0.319	6.277	6.572	6.998	7.198
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/22/96-07/22/96	18	0.182	0.229	0.851	0.054	0.036	0.189	0.063	0.101	0.268	0.536
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-07/22/96	12	180.	317.5	1660.	60.	194220.455	440.704	63.	85.	340.	1300.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-07/22/96	12	2.249	2.285	3.22	1.778	0.168	0.41	1.798	1.927	2.529	3.053
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			192.858								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: PETE0056

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	3	0	0.00	1	0	0.00	5	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	18	0	0.00	3	0	0.00	5	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	18	3	0.17	3	2	0.67	5	0	0.00	10	1	0.10			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	12	6	0.50	2	2	1.00	4	1	0.25	6	3	0.50			

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

Station Inventory for Station: PETE0057

NPS Station ID: PETE0057 LAT/LON: 37.298753/ -77.367865 Agency: 21VASWCB Date Created: / /
Location: AT CONFLUENCE WITH SWIFTH CREEK FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP005.79 /VA2-02AX0006/VA2-4X0006
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207002 RF1 Mile Point: 1.180 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000101.59 RF3 Mile Point: 1.68 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02A TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/73-07/26/74	6	24.45	23.333	28.9	17.2	26.263	5.125	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/19/73-07/26/74	7	8.	8.114	10.2	6.4	1.558	1.248	**	**	**	**
00400	PH (STANDARD UNITS)	04/19/73-07/26/74	7	7.	6.971	7.	6.8	0.006	0.076	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/19/73-07/26/74	7	7.	6.965	7.	6.8	0.006	0.076	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/19/73-07/26/74	7	0.1	0.108	0.158	0.1	0.	0.022	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/19/73-07/26/74	7	0.1	0.157	0.5	0.05	0.025	0.159	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/19/73-07/26/74	7 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/19/73-07/26/74	7	0.09	0.094	0.21	0.03	0.003	0.056	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/19/73-07/26/74	7	0.5	0.6	1.	0.3	0.087	0.294	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/19/73-07/26/74	7	100.	942.857	6000.	50.	4975357.143	2230.551	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/19/73-07/26/74	7	2.	2.211	3.778	1.699	0.52	0.721	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			162.561								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/19/73-07/26/74	7 ##	0.05	0.064	0.1	0.05	0.001	0.024	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/19/73-07/26/74	7 ##	0.05	0.064	0.1	0.05	0.001	0.024	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0057

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	3	0	0.00				4	0	0.00			
00400	PH	Other-Hi Lim.	9.	7	0	0.00	3	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	3	0	0.00				4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	3	0	0.00				4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	3	0	0.00				4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	2	0.29	3	0	0.00				4	2	0.50			

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

Station Inventory for Station: PETE0058

NPS Station ID: PETE0058 LAT/LON: 37.266948/ -77.373892 Agency: 21VASWCB Date Created: 06/10/89
Location: STA # 10 S BRANCH AT RAILWAY(CHESTERFIELD/PR GE) FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP008.38
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 1.70 On/Off RF1:
RF3 Index: 02080207027001.29 RF3 Mile Point: 3.05 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDEIES NO: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0138 TOPO MAP NAME: HOPEWELL, VA

Parameter Inventory for Station: PETE0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0058

			Total	Exceed	Prop.	7/01-10/15			10/16-3/09			3/10-6/30			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			

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

Station Inventory for Station: PETE0059

NPS Station ID: PETE0059 | LAT/LON: 37.229142/ -77.373920 | Agency: 11NPSWRD | Date Created: 08/24/96
Location: Poor Creek at Intersection with Gracies Dam | FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PETE_PD
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02080207 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 45 | Water Body Id:
Minor Basin: JAMES RIVER | ECO Region:
RF1 Index: 02080207 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02080206000501.22 | RF3 Mile Point: 1.58 | Distance from RF3: 0.29 | On/Off RF3:
Description:
Poor Creek at the intersection with Gracies Dam in Petersburg N.B. Water quality station is located on the eastern edge of the Prince George VA 7.5 minute USGS quadrangle. Station is the responsibility of Petersburg National Battlefield - Division of Resource Management - Dave Shockley (804-732-0171) at P.O. Box 549 Route 36 East - Petersburg VA 23804. Water quality has been monitored at this station since the late 1980s; however - no data were deemed of sufficient quality to upload until 1996. Data processed and uploaded to STORET by Dean Tucker - NPS Water Resources Division - 1201 Oak Ridge Dr. Suite 250 Fort Collins CO 80525 Phone: (970)-225-3516 Fax: (970)-225-9965.

Parameter Inventory for Station: PETE0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-07/22/96	18	12.8	13.394	25.7	2.5	62.761	7.922	3.94	5.175	22.4	23.81
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-07/22/96	5	200.	200.4	224.	174.	319.3	17.869	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/29/96-07/22/96	9	5.7	8.878	14.7	4.5	19.427	4.408	4.5	5.1	13.25	14.7
00406	PH, FIELD, STANDARD UNITS SU	01/22/96-07/22/96	18	6.68	6.711	7.12	6.1	0.077	0.278	6.118	6.6	6.983	7.021
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/22/96-07/22/96	18	6.68	6.614	7.12	6.1	0.087	0.296	6.118	6.6	6.983	7.021
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/22/96-07/22/96	18	0.209	0.243	0.794	0.076	0.041	0.204	0.096	0.104	0.251	0.762
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-07/08/96	11	90.	181.364	740.	20.	54040.455	232.466	24.	60.	170.	698.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-07/08/96	11	1.954	2.015	2.869	1.301	0.208	0.456	1.361	1.778	2.23	2.84
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			103.505								

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

EPA Water Quality Criteria Analysis for Station: PETE0059

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	3	0	0.00	1	0	0.00	5	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	18	0	0.00	3	0	0.00	5	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	18	2	0.11	3	1	0.33	5	0	0.00	10	1	0.10			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	11	2	0.18	1	1	1.00	4	0	0.00	6	1	0.17			

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

Station Inventory for Station: PETE0060

NPS Station ID: PETE0060 | LAT/LON: 37.214977/ -77.374753 | Agency: 11NPSWRD | Date Created: 08/24/96
Location: Poor Creek Just South of Hickory Hill Road | FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PETE_PU
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02080207 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 90 | Water Body Id:
Minor Basin: JAMES RIVER | ECO Region:
RF1 Index: 02080207 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02080206000501.22 | RF3 Mile Point: 1.58 | Distance from RF3: 0.29 | On/Off RF3:
Description:
Poor Creek just south of Hickory Hill Road just outside the Petersburg N.B. boundary directly above sewage lift station.
Water quality station is located on the eastern edge of the Prince George VA 7.5 minute USGS quadrangle.
Station is the responsibility of Petersburg National Battlefield - Division of Resource Management - Dave Shockley (804-732-0171) at P.O.
Box 549 Route 36 East - Petersburg VA 23804. Water quality has been monitored at this station since the late 1980s;
however - no data were deemed of sufficient quality to upload until 1996. Data processed and uploaded to STORET by Dean Tucker - NPS Water
Resources Division - 1201 Oak Ridge Dr. Suite 250 Fort Collins CO 80525 Phone: (970)-225-3516 Fax: (970)-225-9965.

Parameter Inventory for Station: PETE0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-06/24/96	15	13.4	12.947	25.	4.3	48.403	6.957	4.66	6.5	18.7	24.64
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-06/24/96	2	264.5	264.5	313.	216.	4704.5	68.589	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/12/96-06/24/96	5	9.7	8.32	11.8	4.5	12.092	3.477	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/22/96-06/24/96	15	6.74	6.809	7.13	6.5	0.043	0.207	6.53	6.65	7.03	7.1
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/22/96-06/24/96	15	6.74	6.766	7.13	6.5	0.045	0.212	6.53	6.65	7.03	7.1
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/22/96-06/24/96	15	0.182	0.172	0.316	0.074	0.006	0.077	0.08	0.093	0.224	0.296
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	10	30.	45.	160.	0.	2538.889	50.387	0.	7.5	70.	154.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	10	1.477	1.284	2.204	0.	0.573	0.757	0.	0.75	1.834	2.184
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.229								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: PETE0060

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00							5	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	15	0	0.00				5	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	15	1	0.07				5	1	0.20	10	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	0	0.00				4	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: PETE0061

NPS Station ID: PETE0061 LAT/LON: 37.215531/ -77.374753 Agency: 11NPSWRD Date Created: 08/24/96
Location: Poor Creek at Petersburg Park Tour Road FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PETE_PM
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 85 Water Body Id:
Minor Basin: JAMES RIVER ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
Poor Creek just north of Hickory Hill Road just inside the Petersburg N.B. boundary at the Petersburg Park Tour Road just upstream of intermittent tributary. Water quality station is located on the eastern edge of the Prince George VA 7.5 minute USGS quadrangle. Station is the responsibility of Petersburg National Battlefield - Division of Resource Management - Dave Shockley (804-732-0171) at P.O. Box 549 Route 36 East - Petersburg VA 23804. Water quality has been monitored at this station since the late 1980s; however - no data were deemed of sufficient quality to upload until 1996. Data processed and uploaded to STORET by Dean Tucker - NPS Water Resources Division - 1201 Oak Ridge Dr. Suite 250 Fort Collins CO 80525 Phone: (970)-225-3516 Fax: (970)-225-9965.

Parameter Inventory for Station: PETE0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/96-06/24/96	15	12.	11.713	25.2	3.5	45.933	6.777	4.28	6.	16.9	23.76
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/96-06/24/96	2	277.	277.	341.	213.	8192.	90.51	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/29/96-06/24/96	6	11.35	10.	13.7	4.2	15.828	3.978	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/22/96-06/24/96	15	6.72	6.781	7.02	6.54	0.035	0.186	6.546	6.63	7.	7.014
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/22/96-06/24/96	15	6.72	6.745	7.02	6.54	0.036	0.19	6.546	6.63	7.	7.014
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/22/96-06/24/96	15	0.191	0.18	0.288	0.095	0.005	0.074	0.097	0.1	0.234	0.284
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	10	77.5	452.5	3600.	20.	1234706.944	1111.174	22.	47.5	182.5	3280.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/22/96-06/24/96	10	1.889	2.033	3.556	1.301	0.397	0.63	1.331	1.675	2.182	3.461
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			107.849								

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

EPA Water Quality Criteria Analysis for Station: PETE0061

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00				1	0	0.00	5	0	0.00			
00406	PH, FIELD	Other-Hi Lim.	9.	15	0	0.00				5	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00				5	0	0.00	10	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	2	0.20				4	0	0.00	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: PETE0062

NPS Station ID: PETE0062 LAT/LON: 37.156393/ -77.375837 Agency: 21VASWCB Date Created: 04/13/96
Location: SECOND SWAMP, RT. 628 BRIDGE FIPS State/County: 51149 VIRGINIA/PRINCE GEORGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5ASEC012.54
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010202 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010202 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: SECOND SWAMP SECTION: 02 TOPO MAP #: 0037 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/94-12/15/94	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/94-12/15/94	1	134.	134.	134.	134.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/94-12/15/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/15/94-12/15/94	1	6.01	6.01	6.01	6.01	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/15/94-12/15/94	1	6.01	6.01	6.01	6.01	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/15/94-12/15/94	1	0.977	0.977	0.977	0.977	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0062

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						

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

Station Inventory for Station: PETE0063

NPS Station ID: PETE0063 LAT/LON: 37.261949/ -77.376392 Agency: 21VASWCB Date Created: 06/10/89
Location: STA #9 S BRANCH AT LARGE QUARRY(CHESTERFIELD) FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP008.80
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 2.40 On/Off RF1:
RF3 Index: 02080207027003.01 RF3 Mile Point: 3.03 Distance from RF3: 0.05 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDEIES NO: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0133 TOPO MAP NAME: CHESTER, VA.

Parameter Inventory for Station: PETE0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.45	6.45	6.45	6.45	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.45	6.45	6.45	6.45	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.355	0.355	0.355	0.355	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0063

			Total	Exceed	Prop.	7/01-10/15			10/16-3/09			3/10-6/30			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			

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

Station Inventory for Station: PETE0064

NPS Station ID: PETE0064 LAT/LON: 37.245004/ -77.377227 Agency: 21VASWCB Date Created: 06/10/89
Location: STA #6 S BR AT HARRISON CREEK FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP010.00
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080207027500.00 RF3 Mile Point: 2.13 Distance from RF3: 0.12 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDIES #: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0064

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0065

NPS Station ID: PETE0065 LAT/LON: 37.258059/ -77.377503 Agency: 21VASWCB Date Created: 06/10/89
Location: STA #8 B BR AT SMALL BOAT HARBOR MARINA FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP009.02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 1.40 On/Off RF1:
RF3 Index: 02080207027003.01 RF3 Mile Point: 3.07 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDIES #: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.95	6.95	6.95	6.95	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.95	6.95	6.95	6.95	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.112	0.112	0.112	0.112	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0065

			Total	Exceed	Prop.	7/01-10/15			10/16-3/09			3/10-6/30			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0066

NPS Station ID: PETE0066 LAT/LON: 37.250005/ -77.377503 Agency: 21VASWCB Date Created: 06/10/89
Location: STA #7 S BR AT GRAVEL PITS(CHESTERFIELD) FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP009.60
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.80 On/Off RF1:
RF3 Index: 02080207027003.01 RF3 Mile Point: 3.48 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDIES #: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.85	6.85	6.85	6.85	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.85	6.85	6.85	6.85	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.141	0.141	0.141	0.141	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0066

			Total	Exceed	Prop.	7/01-10/15			10/16-3/09			3/10-6/30			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0067

NPS Station ID: PETE0067 LAT/LON: 37.249726/ -77.379726 Agency: 21VASWCB Date Created: 12/07/84
Location: APP. RIV.(AT LONE STAR CONVEY CROS. - WEST CHAN) FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP009.77
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 4.920 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000300.87 RF3 Mile Point: 7.03 Distance from RF3: 0.06 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835108 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-08/30/83	2	28.	28.	28.	28.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/03/83	3 ##	0.105	0.102	0.155	0.045	0.003	0.055	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-08/30/83	2	150.	150.	180.	120.	1800.	42.426	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/28/83-08/30/83	2	6.1	6.1	7.	5.2	1.62	1.273	**	**	**	**
00400	PH (STANDARD UNITS)	07/28/83-08/30/83	2	6.85	6.85	7.2	6.5	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-08/30/83	2	6.722	6.722	7.2	6.5	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-08/30/83	2	0.19	0.19	0.316	0.063	0.032	0.179	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/83-08/30/83	2	44.	44.	55.	33.	242.	15.556	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-08/30/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-08/30/83	2	105.	105.	121.	89.	512.	22.627	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-08/30/83	2	8.5	8.5	11.	6.	12.5	3.536	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-08/30/83	2	4.5	4.5	7.	2.	12.5	3.536	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/83-08/30/83	2	1.7	1.7	2.5	0.9	1.28	1.131	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/83-08/30/83	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/83-08/30/83	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-08/30/83	2	2.6	2.6	3.8	1.4	2.88	1.697	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-08/30/83	2	4.25	4.25	6.7	1.8	12.005	3.465	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-08/30/83	2	0.55	0.55	0.7	0.4	0.045	0.212	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-08/30/83	2	0.65	0.65	1.1	0.2	0.405	0.636	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-08/30/83	2	0.7	0.7	1.2	0.2	0.5	0.707	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-08/30/83	2	0.45	0.45	0.7	0.2	0.125	0.354	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-08/30/83	2	8.5	8.5	10.	7.	4.5	2.121	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-08/30/83	2	5965.	5965.	11000.	930.	50702450.	7120.565	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-08/30/83	2	3.505	3.505	4.041	2.968	0.576	0.759	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			3198.437								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-08/30/83	2	430.	430.	430.	430.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-08/30/83	2	2.633	2.633	2.633	2.633	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			430.								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	4	5.	5.35	8.1	3.3	4.67	2.161	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	4	2.65	3.375	6.2	2.	3.723	1.929	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-08/30/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 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	Other-Hi Lim.	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.	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									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	1	0.50	2	1	0.50									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00	2	2	1.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	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: PETE0068

NPS Station ID: PETE0068 LAT/LON: 37.241115/ -77.381671 Agency: 21VASWCB Date Created: 06/10/89
Location: STA # 5 S BRANCH ABOUT 1000' UPSTRM OF PIPELINE FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP010.40
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 1.60 On/Off RF1:
RF3 Index: 02080207027500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDIES #: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0068

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0069

NPS Station ID: PETE0069 LAT/LON: 37.242087/ -77.383171 Agency: 21VASWCB Date Created: / /
Location: IN N CHANNEL ACROSS FROM BOAT HARBOR FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP010.15 /VA2-02-X0009/VA2-4X0009
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 5.530 Distance from RF1: 1.70 On/Off RF1: ON
RF3 Index: 02080207000306.17 RF3 Mile Point: 6.17 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/73-07/08/74	2	28.05	28.05	28.9	27.2	1.445	1.202	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/06/73-07/08/74	3	6.8	6.8	7.6	6.	0.64	0.8	**	**	**	**
00400	PH (STANDARD UNITS)	06/06/73-07/08/74	3	7.5	7.5	8.	7.	0.25	0.5	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/06/73-07/08/74	3	7.5	7.326	8.	7.	0.295	0.544	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/73-07/08/74	3	0.032	0.047	0.1	0.01	0.002	0.047	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/73-07/08/74	3	0.2	0.25	0.5	0.05	0.053	0.229	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/73-07/08/74	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/73-07/08/74	3	0.14	0.117	0.2	0.01	0.009	0.097	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/73-07/08/74	3	0.5	0.533	0.6	0.5	0.003	0.058	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/03/73	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/03/73	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/03/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/03/73	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/06/73-07/08/74	3	200.	1316.667	3700.	50.	4265833.333	2065.389	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/06/73-07/08/74	3	2.301	2.523	3.568	1.699	0.91	0.954	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			333.222								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	06/06/73-07/08/74	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/06/73-07/08/74	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/03/73	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0069

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00				2	0	0.00			
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	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

EPA Water Quality Criteria Analysis for Station: PETE0069

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	1	0	0.00				2	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			
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			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	2	0.67	1	0	0.00				2	2	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0070

NPS Station ID: PETE0070 LAT/LON: 37.238615/ -77.386949 Agency: 21VASWCB Date Created: 06/10/89
Location: STA # 4 S BRANCH AT BROADWAY YARDS FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP010.79
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 1.30 On/Off RF1:
RF3 Index: 02080207027004.73 RF3 Mile Point: 4.78 Distance from RF3: 0.06 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDIES #: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0070

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0071

NPS Station ID: PETE0071 LAT/LON: 37.258337/ -77.391948 Agency: 21VASWCB Date Created: / /
Location: CONDUIT ROAD BRIDGE FIPS State/County: 51570 VIRGINIA/COLONIAL HEIGHTS (CI
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-OTC001.54 /VA2-07-X0184/VA2-4X0184
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 6.00 On/Off RF1:
RF3 Index: 02080207008000.00 RF3 Mile Point: 4.02 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: OLDTOWN CREEK SECTION: 07 TOPO MAP #: 0133 TOPO MAP NAME: CHESTER, VA

Parameter Inventory for Station: PETE0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/75-12/10/81	53	15.5	15.083	32.	1.4	76.626	8.754	3.4	6.35	23.15	25.84
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-12/10/81	15	63.	91.533	187.	46.	2384.267	48.829	49.6	56.	144.	181.6
00300	OXYGEN, DISSOLVED MG/L	01/29/75-12/10/81	53	8.6	8.715	16.4	4.2	5.83	2.414	5.48	6.9	10.15	11.72
00310	BOD, 5 DAY, 20 DEG C MG/L	08/14/79-12/10/81	15	2.	2.733	13.	1.	8.924	2.987	1.	2.	2.	8.2
00340	COD, .25N K2CR2O7 MG/L	08/14/79-12/10/81	15	21.	22.6	67.	9.	192.829	13.886	10.2	12.	25.	45.4
00400	PH (STANDARD UNITS)	01/29/75-12/10/81	49	6.8	6.751	7.5	6.	0.122	0.349	6.3	6.5	7.	7.
00400	CONVERTED PH (STANDARD UNITS)	01/29/75-12/10/81	49	6.8	6.6	7.5	6.	0.145	0.381	6.3	6.5	7.	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/75-12/10/81	49	0.158	0.251	1.	0.032	0.063	0.251	0.1	0.1	0.316	0.501
00403	PH, LAB, STANDARD UNITS SU	02/20/80-11/30/81	2	6.5	6.5	6.6	6.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/20/80-11/30/81	2	6.489	6.489	6.6	6.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/80-11/30/81	2	0.325	0.325	0.398	0.251	0.011	0.104	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/20/80-11/30/81	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/14/79-11/20/79	3	62.	66.667	79.	59.	116.333	10.786	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/14/79-10/17/79	2	40.5	40.5	56.	25.	480.5	21.92	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/14/79-11/20/79	3	34.	31.333	37.	23.	54.333	7.371	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/79-12/10/81	15	8.	13.867	47.	2.5	204.481	14.3	2.5	2.5	16.	44.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/14/79-12/10/81	15	3.	4.633	13.	2.	10.16	3.187	2.3	2.5	6.	10.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/14/79-12/10/81	15	5.	9.9	38.	2.	129.364	11.374	2.3	2.5	10.	33.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/75-12/10/81	53	0.1	0.243	1.5	0.01	0.089	0.298	0.05	0.05	0.3	0.66
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	53	0.01	0.027	0.3	0.005	0.002	0.05	0.005	0.005	0.025	0.072
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	38	0.33	0.483	2.1	0.1	0.19	0.436	0.158	0.275	0.47	1.21
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/75-12/10/81	53	0.7	0.86	3.8	0.2	0.42	0.648	0.24	0.45	1.099	1.52
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	15	0.28	0.318	0.8	0.025	0.065	0.255	0.04	0.07	0.52	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-12/10/81	15 ##	0.05	0.073	0.3	0.05	0.004	0.065	0.05	0.05	0.05	0.18
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-12/10/81	15	0.04	0.055	0.27	0.01	0.004	0.062	0.016	0.03	0.05	0.15
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/14/79-12/10/81	15	13.	11.5	22.	0.5	33.321	5.772	1.4	8.	14.	20.2
00945	SULFATE, TOTAL (MG/L AS SO4)	10/13/75-10/13/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-05/25/78	4 ##	1.	2.25	6.	1.	6.25	2.5	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-05/25/78	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/17/75-05/25/78	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/17/75-05/25/78	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/17/75-11/16/77	7	12.	46.357	259.	1.5	8817.726	93.903	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/17/75-05/25/78	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	03/17/75-05/25/78	7	20.	67.143	320.	10.	12757.143	112.948	**	**	**	**
05052	INVALID PARAMETER	11/20/79-11/20/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	50	1300.	2556.	8000.	50.	7416187.755	2723.268	100.	200.	4725.	6870.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	50	3.114	2.963	3.903	1.699	0.566	0.753	2.	2.301	3.674	3.837
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			919.103								
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/17/79-10/17/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/29/75-06/12/79	38	0.2	0.246	1.1	0.05	0.06	0.246	0.05	0.088	0.325	0.5
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/29/75-06/12/79	38	0.13	0.188	1.1	0.005	0.051	0.226	0.028	0.05	0.2	0.406
71900	MERCURY, TOTAL (UG/L AS HG)	03/17/75-05/25/78	8 ##	0.25	0.238	0.25	0.15	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

EPA Water Quality Criteria Analysis for Station: PETE0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-3/09---------- Obs	Exceed	Prop.	----------3/10-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	53	0	0.00	13	0	0.00	20	0	0.00	20	0	0.00			
00400	PH	Other-Hi Lim.	9.	49	0	0.00	13	0	0.00	18	0	0.00	18	0	0.00			
		Other-Lo Lim.	6.5	49	17	0.35	13	8	0.62	18	3	0.17	18	6	0.33			
00403	PH, LAB	Other-Hi Lim.	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.	53	0	0.00	13	0	0.00	21	0	0.00	19	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	38	0	0.00	8	0	0.00	14	0	0.00	16	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	5	0	0.00	7	0	0.00	3	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.	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	50.	4	0	0.00				1	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.	8	0	0.00				2	0	0.00	6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00				2	0	0.00	6	0	0.00			
		Drinking Water	1300.	8	0	0.00				2	0	0.00	6	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	1	0.14				2	0	0.00	5	1	0.20			
		Drinking Water	15.	7	2	0.29				2	0	0.00	5	2	0.40			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00				2	0	0.00	6	0	0.00			
		Drinking Water	100.	8	0	0.00				2	0	0.00	6	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	7	1	0.14				2	0	0.00	5	1	0.20			
		Drinking Water	5000.	7	0	0.00				2	0	0.00	5	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	50	40	0.80	13	11	0.85	19	14	0.74	18	15	0.83			
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						

& - 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: PETE0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00				1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00				1	0	0.00						
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00				1	0	0.00						
		Drinking Water	1.	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00				2	0	0.00	6	0	0.00			
		Drinking Water	2.	8	0	0.00				2	0	0.00	6	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/75-12/10/81	13	25.	23.408	32.	2.7	52.486	7.245	8.74	21.5	27.9	30.8
00300	OXYGEN, DISSOLVED MG/L	01/29/75-12/10/81	13	6.8	6.469	8.9	4.2	2.209	1.486	4.32	5.25	7.75	8.62
00400	PH (STANDARD UNITS)	01/29/75-12/10/81	13	6.5	6.577	7.	6.	0.085	0.292	6.12	6.45	6.85	7.
00400	CONVERTED PH (STANDARD UNITS)	01/29/75-12/10/81	13	6.5	6.487	7.	6.	0.094	0.306	6.12	6.45	6.85	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/75-12/10/81	13	0.316	0.325	1.	0.1	0.055	0.235	0.1	0.15	0.357	0.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/75-12/10/81	13	0.2	0.346	1.	0.05	0.125	0.354	0.05	0.05	0.65	0.96
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	13	0.02	0.029	0.18	0.005	0.002	0.047	0.005	0.008	0.025	0.124
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	8	0.39	0.699	1.7	0.16	0.365	0.604	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/75-12/10/81	13	0.7	1.031	2.799	0.3	0.504	0.71	0.38	0.6	1.35	2.479
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	13	700.	2200.	6600.	100.	7646666.667	2765.261	100.	200.	6000.	6360.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	13	2.845	2.886	3.82	2.	0.499	0.707	2.	2.301	3.778	3.803
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			769.577								

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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/75-12/10/81	20	6.7	7.975	16.5	1.4	22.034	4.694	2.55	4.	12.15	15.9
00300	OXYGEN, DISSOLVED MG/L	01/29/75-12/10/81	20	10.05	10.61	16.4	7.5	3.747	1.936	8.03	9.6	11.75	12.78
00400	PH (STANDARD UNITS)	01/29/75-12/10/81	18	7.	6.878	7.3	6.4	0.062	0.249	6.49	6.675	7.	7.21
00400	CONVERTED PH (STANDARD UNITS)	01/29/75-12/10/81	18	7.	6.806	7.3	6.4	0.067	0.259	6.49	6.675	7.	7.21
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/75-12/10/81	18	0.1	0.156	0.398	0.05	0.01	0.1	0.062	0.1	0.212	0.324
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/75-12/10/81	21	0.05	0.2	0.7	0.01	0.05	0.223	0.05	0.05	0.35	0.6
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	21 ##	0.005	0.025	0.3	0.005	0.004	0.064	0.005	0.005	0.015	0.048
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	14	0.34	0.447	2.1	0.1	0.233	0.482	0.19	0.288	0.4	1.265
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/75-12/10/81	21	0.6	0.581	1.299	0.2	0.113	0.337	0.2	0.25	0.75	1.099
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	19	1300.	2457.895	8000.	50.	7441184.211	2727.853	50.	100.	4800.	6900.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	19	3.114	2.897	3.903	1.699	0.652	0.807	1.699	2.	3.681	3.839
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			788.919								

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/75-12/10/81	20	19.5	16.78	26.	3.	50.902	7.135	5.06	11.25	22.2	24.94
00300	OXYGEN, DISSOLVED MG/L	01/29/75-12/10/81	20	8.15	8.28	11.6	5.6	3.383	1.839	6.	6.7	10.	11.15
00400	PH (STANDARD UNITS)	01/29/75-12/10/81	18	6.95	6.75	7.5	6.	0.183	0.427	6.	6.5	7.	7.23
00400	CONVERTED PH (STANDARD UNITS)	01/29/75-12/10/81	18	6.947	6.534	7.5	6.	0.232	0.482	6.	6.5	7.	7.23
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/75-12/10/81	18	0.113	0.293	1.	0.032	0.113	0.337	0.06	0.1	0.316	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/75-12/10/81	19	0.1	0.218	1.5	0.05	0.107	0.328	0.05	0.05	0.2	0.4
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	19	0.01	0.029	0.11	0.005	0.001	0.033	0.005	0.005	0.04	0.09
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/29/75-12/10/81	16	0.305	0.406	0.92	0.12	0.064	0.254	0.134	0.228	0.583	0.899
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/75-12/10/81	19	0.9	1.052	3.8	0.3	0.6	0.775	0.3	0.6	1.299	1.799
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	18	2700.	2916.667	8000.	50.	7854117.647	2802.52	50.	350.	4400.	8000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/75-12/10/81	18	3.431	3.089	3.903	1.699	0.564	0.751	1.699	2.527	3.643	3.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1227.645								

** - Less than 9 observations ## - Computed 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: PETE0072

NPS Station ID: PETE0072 LAT/LON: 37.238337/ -77.392781 Agency: 21VASWCB Date Created: 06/10/89
Location: STA # 3 S BRANCH AT STA - PETERSBURG CITY FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP011.08
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 1.30 On/Off RF1:
RF3 Index: 02080207027004.73 RF3 Mile Point: 5.05 Distance from RF3: 0.02 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDIES #: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.75	6.75	6.75	6.75	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.75	6.75	6.75	6.75	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.178	0.178	0.178	0.178	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0072

			Total	Exceed	Prop.	7/01-10/15			10/16-3/09			3/10-6/30			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0073

NPS Station ID: PETE0073 LAT/LON: 37.238781/ -77.395198 Agency: 21VASWCB Date Created: / /
Location: ABOVE PETERSBURG STP DISCHARGE FROM SHORE ON IS FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP010.90 /VA2-02-X0011/VA2-4X0011
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 6.350 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02080206142900.00 RF3 Mile Point: 0.78 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA
THIS STATION IS ALSO USED FOR SURVEY 835108

Parameter Inventory for Station: PETE0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-10/03/83	61	19.	17.134	30.	1.	71.558	8.459	4.08	10.55	24.75	27.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/03/83	3	999.	666.035	999.	0.105	332597.074	576.712	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/83-10/03/83	2	137.	137.	145.	129.	128.	11.314	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/73-10/03/83	60	8.7	9.18	16.	1.3	5.021	2.241	7.21	8.	10.75	12.18
00400	PH (STANDARD UNITS)	04/18/73-10/03/83	58	7.5	7.383	8.5	6.7	0.182	0.426	7.	7.	7.5	8.
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-10/03/83	58	7.5	7.23	8.5	6.7	0.206	0.454	7.	7.	7.5	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-10/03/83	58	0.032	0.059	0.2	0.003	0.002	0.044	0.01	0.032	0.1	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/83-10/03/83	2	44.	44.	48.	40.	32.	5.657	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/16/83-10/03/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/16/83-10/03/83	2	123.5	123.5	134.	113.	220.5	14.849	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/83-10/03/83	3	5.	9.167	20.	2.5	89.583	9.465	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/83-10/03/83	3	5.	7.167	14.	2.5	36.583	6.048	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-10/12/83	63 ##	0.05	0.124	1.5	0.05	0.05	0.224	0.05	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/83	64 ##	0.005	0.01	0.1	0.	0.	0.013	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/03/83	46	0.16	0.183	0.99	0.02	0.023	0.152	0.057	0.1	0.23	0.303
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	08/16/83-10/03/83	2	1.75	1.75	1.8	1.7	0.005	0.071	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-10/03/83	60	0.4	0.511	2.1	0.05	0.109	0.33	0.2	0.3	0.6	0.8
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	14	0.17	0.241	0.7	0.025	0.028	0.169	0.068	0.155	0.35	0.545
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/16/83-10/03/83	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-10/12/83	4 ##	0.325	0.35	0.7	0.05	0.122	0.349	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	5 ##	0.05	0.25	0.6	0.05	0.076	0.276	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/83-10/03/83	2	0.55	0.55	0.7	0.4	0.045	0.212	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/16/83-10/03/83	2	7.	7.	9.	5.	8.	2.828	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-05/25/78	4 ##	1.	1.125	1.5	1.	0.063	0.25	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-05/25/78	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/73-05/25/78	9 ##	5.	6.667	20.	5.	25.	5.	5.	5.	5.	20.
01042	COPPER, TOTAL (UG/L AS CU)	05/03/73-05/25/78	9 ##	5.	6.667	10.	5.	6.25	2.5	5.	5.	10.	10.
01051	LEAD, TOTAL (UG/L AS PB)	12/14/73-11/16/77	7	7.	10.	22.	1.	50.	7.071	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/03/73-05/25/78	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/03/73-05/25/78	9	10.	39.444	160.	5.	2909.028	53.935	5.	5.	75.	160.
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	2	220.	220.	230.	210.	200.	14.142	**	**	**	**

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

Parameter Inventory for Station: PETE0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/16/83-10/03/83	2	2.342	2.342	2.362	2.322	0.001	0.028	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			219.773								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	59	400.	1062.407	8000.	9.	3360247.039	1833.098	50.	50.	1100.	5200.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	59	2.602	2.502	3.903	0.954	0.511	0.715	1.699	1.699	3.041	3.716
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			317.822								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/16/83-10/03/83	4	1.6	1.575	2.3	0.8	0.402	0.634	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/83-10/03/83	4	1.65	1.65	2.3	1.	0.297	0.545	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/16/83-10/03/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	58 ##	0.05	0.064	0.2	0.05	0.001	0.032	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	57 ##	0.05	0.042	0.1	0.005	0.001	0.024	0.005	0.025	0.05	0.064
71900	MERCURY, TOTAL (UG/L AS HG)	05/03/73-05/25/78	9 ##	0.25	0.239	0.25	0.15	0.001	0.033	0.15	0.25	0.25	0.25

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EPA Water Quality Criteria Analysis for Station: PETE0073

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	60	1	0.02	17	0	0.00	21	1	0.05	22	0	0.00			
00400	PH	Other-Hi Lim.	9.	58	0	0.00	16	0	0.00	20	0	0.00	22	0	0.00			
		Other-Lo Lim.	6.5	58	0	0.00	16	0	0.00	20	0	0.00	22	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	64	0	0.00	21	0	0.00	20	0	0.00	23	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	46	0	0.00	13	0	0.00	13	0	0.00	20	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	4	0	0.00	7	0	0.00	3	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	50.	4	0	0.00				1	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.	9	0	0.00				3	0	0.00	6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	0	0.00				3	0	0.00	6	0	0.00			
		Drinking Water	1300.	9	0	0.00				3	0	0.00	6	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	1	0.14				3	1	0.33	4	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00				2	0	0.00	6	0	0.00			
		Drinking Water	100.	8	0	0.00				2	0	0.00	6	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	1	0.11				3	1	0.33	6	0	0.00			
		Drinking Water	5000.	9	0	0.00				3	0	0.00	6	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	59	38	0.64	17	13	0.76	20	11	0.55	22	14	0.64			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00				3	0	0.00	6	0	0.00			
		Drinking Water	2.	9	0	0.00				3	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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-10/03/83	17	26.7	25.341	30.	17.8	11.533	3.396	19.88	22.5	27.5	29.2
00300	OXYGEN, DISSOLVED MG/L	04/18/73-10/03/83	17	8.2	7.941	9.	5.7	0.754	0.868	6.58	7.35	8.65	9.
00400	PH (STANDARD UNITS)	04/18/73-10/03/83	16	7.5	7.512	8.5	7.	0.141	0.376	7.07	7.3	7.5	8.15
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-10/03/83	16	7.5	7.4	8.5	7.	0.155	0.393	7.07	7.3	7.5	8.15
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-10/03/83	16	0.032	0.04	0.1	0.003	0.001	0.025	0.008	0.032	0.05	0.086
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-10/12/83	21 ##	0.05	0.181	1.5	0.05	0.144	0.379	0.05	0.05	0.075	0.92
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/83	21 ##	0.005	0.012	0.1	0.	0.	0.022	0.005	0.005	0.01	0.034
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/03/83	13	0.18	0.228	0.5	0.08	0.013	0.112	0.104	0.15	0.305	0.432
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-10/03/83	17	0.4	0.618	2.1	0.1	0.258	0.508	0.18	0.3	0.75	1.62
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	17	500.	1613.647	8000.	9.	5700627.743	2387.599	20.2	175.	1500.	6400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	17	2.699	2.68	3.903	0.954	0.703	0.838	1.28	2.088	3.175	3.803
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			478.979								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	15 ##	0.05	0.057	0.1	0.05	0.	0.018	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	15 ##	0.05	0.04	0.1	0.005	0.001	0.027	0.005	0.01	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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-10/03/83	21	8.9	8.581	20.	1.	28.543	5.343	1.7	3.95	13.05	16.2
00300	OXYGEN, DISSOLVED MG/L	04/18/73-10/03/83	21	11.2	10.648	16.	1.3	8.771	2.962	6.48	9.35	12.2	13.
00400	PH (STANDARD UNITS)	04/18/73-10/03/83	20	7.05	7.275	8.5	6.9	0.145	0.381	7.	7.	7.5	7.5
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-10/03/83	20	7.047	7.167	8.5	6.9	0.157	0.397	7.	7.	7.5	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-10/03/83	20	0.09	0.068	0.126	0.003	0.001	0.038	0.032	0.032	0.1	0.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-10/12/83	19 ##	0.05	0.1	0.2	0.05	0.004	0.065	0.05	0.05	0.2	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/83	20 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/03/83	13	0.16	0.165	0.25	0.02	0.005	0.067	0.06	0.12	0.23	0.25
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-10/03/83	20	0.4	0.48	1.099	0.2	0.053	0.231	0.2	0.3	0.6	0.79
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	20	250.	717.5	6000.	50.	1902177.632	1379.195	50.	50.	800.	2440.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	20	2.389	2.372	3.778	1.699	0.421	0.649	1.699	1.699	2.903	3.373
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			235.733								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	20 ##	0.05	0.068	0.2	0.05	0.001	0.037	0.05	0.05	0.088	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	19	0.05	0.049	0.1	0.02	0.	0.021	0.02	0.03	0.05	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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/73-10/03/83	23	21.	18.878	28.9	4.4	35.764	5.98	11.1	13.9	24.	25.66
00300	OXYGEN, DISSOLVED MG/L	04/18/73-10/03/83	22	8.4	8.736	12.	6.8	1.576	1.255	7.43	7.8	9.8	10.7
00400	PH (STANDARD UNITS)	04/18/73-10/03/83	22	7.5	7.386	8.5	6.7	0.237	0.487	6.76	7.	7.5	8.35
00400	CONVERTED PH (STANDARD UNITS)	04/18/73-10/03/83	22	7.5	7.19	8.5	6.7	0.278	0.527	6.76	7.	7.5	8.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/73-10/03/83	22	0.032	0.065	0.2	0.003	0.003	0.056	0.005	0.032	0.1	0.177
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/73-10/12/83	23 ##	0.05	0.091	0.2	0.05	0.003	0.056	0.05	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/12/83	23 ##	0.005	0.01	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.026
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/18/73-10/03/83	20	0.115	0.166	0.99	0.025	0.042	0.206	0.05	0.063	0.2	0.257
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/73-10/03/83	23	0.5	0.459	1.	0.05	0.046	0.215	0.2	0.3	0.6	0.76
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	22	250.	950.	6000.	50.	2843809.524	1686.36	50.	50.	1125.	4610.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/73-10/03/83	22	2.389	2.483	3.778	1.699	0.454	0.674	1.699	1.699	3.051	3.601
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			303.74								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/18/73-06/12/79	23 ##	0.05	0.065	0.2	0.05	0.001	0.035	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/18/73-06/12/79	23 ##	0.04	0.037	0.1	0.005	0.001	0.024	0.005	0.005	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

Station Inventory for Station: PETE0074

NPS Station ID: PETE0074
LAT/LON: 37.236115/ -77.395838
Agency: 1113JAWQ
Date Created: / /
Location: ABOVE PETERSBURG MATOACO BR J07
FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JAMES J07 /J07 /A7
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080207
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080207003
RF1 Mile Point: 6.460
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206004503.92
RF3 Mile Point: 4.08
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-11/04/71	21	25.6	22.686	28.9	8.9	27.778	5.271	15.68	18.75	26.7	28.08
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/11/71-07/23/71	4	19.	18.25	20.	15.	4.917	2.217	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-11/04/71	20	8.3	8.485	12.	6.6	1.999	1.414	7.01	7.35	8.95	11.16
00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-11/04/71	8	1.55	1.525	2.8	0.2	0.862	0.929	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-11/02/71	19	7.7	7.711	9.	6.4	0.581	0.762	6.8	7.	8.5	8.8
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-11/02/71	19	7.7	7.195	9.	6.4	0.861	0.928	6.8	7.	8.5	8.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-11/02/71	19	0.02	0.064	0.398	0.001	0.01	0.099	0.002	0.003	0.1	0.158
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-11/04/71	18	0.105	0.179	0.73	0.02	0.041	0.203	0.029	0.053	0.22	0.613
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-11/04/71	19	0.6	0.615	1.4	0.3	0.087	0.296	0.3	0.4	0.71	1.13
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/20/69-11/04/71	19	0.55	0.506	1.1	0.03	0.141	0.375	0.03	0.1	0.8	1.06
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/21/70-11/04/71	16	0.1	0.128	0.26	0.05	0.004	0.066	0.05	0.1	0.195	0.239
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-11/04/71	19	0.04	0.07	0.2	0.01	0.004	0.059	0.01	0.02	0.11	0.19
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/71-11/04/71	4	10.5	12.	18.1	8.9	17.213	4.149	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	10/21/71-11/04/71	4	14.05	15.725	21.5	13.3	14.963	3.868	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-05/05/70	1	57.	57.	57.	57.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-11/04/71	21	91.	456.524	2400.	30.	700521.662	836.972	30.	30.	280.	2400.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/68-11/04/71	21	1.959	2.062	3.38	1.477	0.473	0.688	1.477	1.477	2.44	3.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			115.404								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	9	100.	190.	520.	70.	25800.	160.624	70.	90.	300.	520.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	9	2.	2.168	2.716	1.845	0.096	0.309	1.845	1.952	2.452	2.716
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			147.284								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/19/71-11/02/71	3	9.	7.533	9.8	3.8	10.613	3.258	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	0	0.00	9	0	0.00	4	0	0.00	7	0	0.00			
00400	PH	Other-Hi Lim.	9.	19	1	0.05	10	1	0.10	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	19	1	0.05	10	0	0.00	2	1	0.50	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	21	3	0.14	10	0	0.00	4	3	0.75	7	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	3	0.33	3	1	0.33	4	1	0.25	2	1	0.50			

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

Station Inventory for Station: PETE0075

NPS Station ID: PETE0075 LAT/LON: 37.235559/ -77.396392 Agency: 21VASWCB Date Created: 06/10/89
Location: APPOMATOX RIVER (SOUTHERN BRANCH) FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP011.30
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.30 On/Off RF1:
RF3 Index: 02080207027200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
STA #2 AT I95 OVERPASS IN SOUTHERN BRANCH SPECIAL STUDIES #: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0075

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0076

NPS Station ID: PETE0076 LAT/LON: 37.239365/ -77.399671 Agency: 21VASWCB Date Created: / /
Location: ATLANTIC COAST LINE RR BRIDGE BELOW RT. 301 FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP011.14 /VA2-02-X0012/VA2-4X0012
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 6.350 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02080207000304.53 RF3 Mile Point: 4.90 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/73-07/08/74	6	25.	23.433	27.8	15.	23.399	4.837	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/19/73-07/08/74	7	8.	8.271	10.2	6.5	1.336	1.156	**	**	**	**
00400	PH (STANDARD UNITS)	04/19/73-07/08/74	7	7.5	7.429	8.	7.	0.119	0.345	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/19/73-07/08/74	7	7.5	7.318	8.	7.	0.133	0.365	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/19/73-07/08/74	7	0.032	0.048	0.1	0.01	0.001	0.036	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/19/73-07/08/74	7 ##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/19/73-07/08/74	7 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/19/73-07/08/74	7	0.14	0.164	0.29	0.06	0.008	0.09	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/19/73-07/08/74	7	0.6	0.514	0.9	0.1	0.078	0.279	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/73-05/14/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/14/73-05/14/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/14/73-05/14/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/14/73-05/14/73	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/19/73-07/08/74	7	700.	2064.286	6000.	50.	7538095.238	2745.559	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/19/73-07/08/74	7	2.845	2.672	3.778	1.699	0.933	0.966	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			469.652								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/19/73-07/08/74	7 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/19/73-07/08/74	7 ##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/14/73-05/14/73	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	3	0	0.00				4	0	0.00			
00400	PH	Other-Hi Lim.	9.	7	0	0.00	3	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	3	0	0.00				4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	3	0	0.00				4	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	3	0	0.00				4	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			
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			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	4	0.57	3	2	0.67				4	2	0.50			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0077

NPS Station ID: PETE0077 LAT/LON: 37.235282/ -77.402505 Agency: 21VASWCB Date Created: 06/10/89
Location: STA #1 SOUTHERN BRANCH, DEAD END - PETERSBURG FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP011.58
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.40 On/Off RF1:
RF3 Index: 02080207027200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD SPECIAL STUDIES #: 895102 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 02 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/12/89-06/12/89	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/89-06/12/89	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	06/12/89-06/12/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0077

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PETE0078

NPS Station ID: PETE0078
LAT/LON: 37.237504/ -77.404170
Agency: 1113JAWQ
Date Created: / /
Location: ABOVE PETERSBURG RT1&310 BR J08
FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JAMES J08 /J08 /A8
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080207
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080207003
RF1 Mile Point: 6.810
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080207027200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-11/04/71	22	25.	21.836	28.9	5.6	39.877	6.315	10.73	18.1	26.7	27.97
00300	OXYGEN, DISSOLVED MG/L	07/22/68-11/04/71	21	7.8	8.048	15.	2.5	6.105	2.471	6.2	6.8	9.1	11.84
00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-11/04/71	10	2.05	2.21	5.	0.3	2.252	1.501	0.33	0.6	3.3	4.86
00400	PH (STANDARD UNITS)	07/22/68-11/02/71	20	7.45	7.55	8.6	6.6	0.339	0.583	6.8	7.225	7.95	8.59
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-11/02/71	20	7.447	7.253	8.6	6.6	0.432	0.657	6.8	7.225	7.95	8.59
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-11/02/71	20	0.036	0.056	0.251	0.003	0.004	0.065	0.003	0.011	0.06	0.158
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/16/70-11/04/71	17	0.06	0.175	0.8	0.01	0.048	0.218	0.018	0.035	0.245	0.56
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/16/70-11/04/71	17	0.5	0.588	1.1	0.3	0.061	0.248	0.3	0.4	0.79	1.01
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/16/70-11/04/71	17	0.55	0.519	1.3	0.03	0.163	0.404	0.038	0.1	0.86	1.1
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/16/70-11/04/71	17	0.1	0.121	0.28	0.05	0.005	0.069	0.05	0.075	0.16	0.24
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/16/70-11/04/71	17	0.05	0.062	0.22	0.01	0.003	0.058	0.01	0.02	0.08	0.172
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/71-11/04/71	4	11.55	12.475	15.4	11.4	3.823	1.955	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	10/21/71-11/04/71	4	15.45	16.225	18.8	15.2	2.976	1.725	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-05/05/70	1	11.	11.	11.	11.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-11/04/71	18	160.5	2254.611	11000.	30.	16636499.781	4078.787	30.	36.	2447.5	10910.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/68-11/04/71	18	2.16	2.414	4.041	1.477	0.921	0.96	1.477	1.556	3.188	4.038
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			259.536								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	9	200.	3586.667	10900.	100.	19693100.	4437.691	100.	100.	8090.	10900.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/11/71-11/04/71	9	2.301	2.868	4.037	2.	0.936	0.967	2.	2.	3.904	4.037
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			737.367								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/19/71-11/02/71	3	9.	9.	12.	6.	9.	3.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	1	0.05	10	0	0.00	4	1	0.25	7	0	0.00			
00400	PH	Other-Hi Lim.	9.	20	0	0.00	10	0	0.00	3	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	10	0	0.00	3	0	0.00	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	7	0	0.00	5	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	18	4	0.22	8	1	0.13	4	3	0.75	6	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0078

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	5	0.56	3	1	0.33	4	4	1.00	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: PETE0079

NPS Station ID: PETE0079 LAT/LON: 37.201948/ -77.406393 Agency: 21VASWCB Date Created: 06/26/93
Location: AT DAM WILCOX LAKE (PETERSBURG CITY) FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 2-XOV000.46
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2- JAMES REGION: 4 PIEDMONT
RIVER: UNNAMED TRIB TO LIEUTENANT RUN SECTION: 07 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA
LAKE STATION

Parameter Inventory for Station: PETE0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	09/14/87-09/14/87	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/14/87-09/14/87	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/87-09/14/87	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/87-09/14/87	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/87-09/14/87	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/14/87-09/14/87	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/14/87-09/14/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/14/87-09/14/87	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/14/87-09/14/87	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/14/87-09/14/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/14/87-09/14/87	1 ##	9.	9.	9.	9.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/14/87-09/14/87	1 ##	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.								

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

EPA Water Quality Criteria Analysis for Station: PETE0079

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
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: PETE0080

NPS Station ID: PETE0080 LAT/LON: 37.232504/ -77.417948 Agency: 21VASWCB Date Created: / /
Location: RT. 36 BRIDGE FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP012.79 /VA2-06-X0013/VA2-4X0013
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 7.700 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207027000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.05 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 06 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	297	16.	16.05	31.	0.2	71.75	8.471	4.5	8.45	24.05	27.12
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	34	9.1	14.929	70.	2.	250.825	15.837	3.55	4.75	19.25	38.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/06/94-08/13/96	25	7.1	12.736	50.	1.4	166.567	12.906	2.68	3.8	17.85	33.8
00080	COLOR (PLATINUM-COBALT UNITS)	02/07/91-02/25/93	20	48.	64.9	199.	18.	1813.463	42.585	29.2	34.75	82.5	121.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	130	83.	83.231	144.	35.	241.481	15.54	64.	73.	92.	101.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	78	86.	84.269	105.	54.	140.979	11.873	64.	77.5	94.	98.1
00096	SALINITY AT 25 DEGREES C (MG/ML)	12/12/94-12/12/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	69	10.4	10.249	14.4	6.4	4.864	2.205	7.6	8.15	12.3	13.2
00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	229	9.5	9.843	16.4	1.1	4.45	2.109	7.5	8.2	11.3	12.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	233	1.	1.555	19.	0.5	1.789	1.337	1.	1.	2.	2.
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	04/17/78-04/17/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	190	16.	15.989	35.	0.5	41.606	6.45	9.	11.	19.25	24.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	291	7.27	7.295	9.	5.8	0.299	0.547	6.7	6.92	7.59	8.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	291	7.27	6.981	9.	5.8	0.398	0.631	6.7	6.92	7.59	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	291	0.054	0.105	1.585	0.001	0.029	0.169	0.01	0.026	0.12	0.2
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	98	6.9	6.895	8.	3.1	0.251	0.501	6.6	6.7	7.125	7.3
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	98	6.9	5.083	8.	3.1	3.566	1.888	6.6	6.7	7.125	7.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	98	0.126	8.253	794.328	0.01	6435.936	80.224	0.05	0.075	0.2	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	98	25.5	24.939	42.	3.	50.635	7.116	15.9	20.	30.	34.
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	100	82.5	83.48	134.	13.	301.989	17.378	66.2	73.	91.	102.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	100	27.	27.695	76.	2.5	133.03	11.534	17.	21.25	31.	41.9
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	98	56.	56.816	93.	23.	146.584	12.107	42.9	49.75	65.25	73.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/80-07/15/80	2	80.	80.	88.	72.	128.	11.314	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	234	5.	9.098	100.	0.5	115.859	10.764	1.75	2.5	11.	20.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	235	2.5	3.955	70.	0.	34.429	5.868	1.	1.5	5.	8.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	234	3.	5.759	47.	0.	47.58	6.898	0.75	2.	6.	14.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	255 ##	0.05	0.054	0.3	0.005	0.001	0.036	0.02	0.04	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	257 ##	0.005	0.01	0.06	0.005	0.	0.008	0.005	0.005	0.01	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	243	0.15	0.171	2.8	0.02	0.036	0.191	0.06	0.1	0.21	0.25
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	254	0.4	0.411	1.199	0.05	0.026	0.162	0.2	0.3	0.5	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	14	0.17	0.227	0.7	0.025	0.029	0.171	0.063	0.138	0.33	0.55
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	188	0.05	0.067	0.4	0.005	0.002	0.042	0.039	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	134	0.02	0.029	0.18	0.005	0.001	0.025	0.01	0.01	0.04	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 time series plot

Parameter Inventory for Station: PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	217	6.5	6.957	21.	2.	7.018	2.649	4.	5.	8.05	10.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	84	29.	30.845	58.	17.	73.	8.544	22.	25.	35.75	43.5
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	85	4.	4.386	9.	0.8	1.697	1.303	3.	4.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	83	5.	5.373	10.	2.5	3.03	1.741	3.	4.	7.	8.
00951	FLUORIDE, TOTAL (MG/L AS F)	02/27/89-04/19/93	39 ##	0.09	0.093	0.25	0.025	0.003	0.058	0.05	0.05	0.12	0.17
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/89-01/21/93	39	16.	15.846	20.9	8.1	6.579	2.565	12.7	14.4	17.5	19.6
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	20 ##	5.	3.4	5.	0.5	3.595	1.896	0.55	1.125	5.	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/17/91-09/17/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/15/92-01/21/93	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/28/71-04/19/93	23 ##	5.	4.848	10.	0.5	2.76	1.661	2.6	5.	5.	5.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/91-09/17/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/91-09/17/91	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/24/70-04/19/93	34 ##	5.	5.603	10.	0.5	4.027	2.007	5.	5.	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	03/24/70-04/19/93	33 ##	5.	6.212	20.	5.	14.11	3.756	5.	5.	5.	10.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/17/91-09/17/91	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/70-04/19/93	13	616.	983.385	2549.	129.	617079.423	785.544	160.2	359.5	1604.	2419.
01051	LEAD, TOTAL (UG/L AS PB)	06/29/70-04/19/93	29 ##	5.	9.172	60.	0.5	191.594	13.842	1.	5.	5.	20.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/17/91-09/17/91	1	86.	86.	86.	86.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/24/70-04/19/93	14	79.	84.636	235.	29.6	2538.478	50.383	30.1	55.	100.	170.65
01059	THALLIUM, TOTAL (UG/L AS TL)	07/15/92-01/21/93	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/29/73-05/25/78	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	05/04/82-04/19/93	13 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/91-09/17/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/24/70-04/19/93	34 ##	7.5	15.824	150.	5.	670.816	25.9	5.	5.	20.	32.5
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/17/91-09/17/91	1	155.	155.	155.	155.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/90-04/19/93	11 ##	10.	10.182	27.	5.	36.364	6.03	5.	5.	10.	23.6
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/68-06/29/70	10	2350.	5370.	11000.	1500.	17309000.	4160.409	1580.	2300.	9725.	11000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/68-06/29/70	10	3.371	3.602	4.041	3.176	0.124	0.352	3.195	3.362	3.987	4.041
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4002.179								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/02/94-08/13/96	23	82.	916.609	16000.	9.	10941714.158	3307.826	18.8	45.	460.	1244.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/02/94-08/13/96	23	1.914	2.117	4.204	0.954	0.496	0.704	1.274	1.653	2.663	3.038
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			130.998								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	252	100.	525.198	9200.	50.	1818515.897	1348.524	50.	50.	400.	900.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	252	2.	2.192	3.964	1.699	0.324	0.569	1.699	1.699	2.602	2.954
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			155.517								
32240	TANNIN AND LIGNIN (MG/L)	12/05/91-04/19/93	14	0.55	0.636	1.3	0.3	0.072	0.268	0.35	0.475	0.8	1.15
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/82-05/04/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/13/85-03/13/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/04/82-05/04/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	04/24/91-04/19/93	8	26.	25.75	31.	20.	14.214	3.77	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/24/70-06/12/79	66 ##	0.05	0.061	0.2	0.025	0.001	0.026	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	125	0.03	0.031	0.09	0.005	0.	0.019	0.005	0.01	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	04/28/71-04/19/93	29 ##	0.25	0.202	0.25	0.15	0.003	0.051	0.15	0.15	0.25	0.25
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/17/91-09/17/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	03/13/85-03/13/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82032	CALCIUM - TOTAL UG/L (AS CA)	07/15/92-01/21/93	2	5825.	5825.	7280.	4370.	4234050.	2057.681	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	08/15/91-06/01/94	31	7.9	15.445	93.	1.	387.976	19.697	2.	2.5	23.	41.

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

EPA Water Quality Criteria Analysis for Station: PETE0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	34	2	0.06	8	0	0.00	14	2	0.14	12	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	25	1	0.04	10	0	0.00	9	1	0.11	6	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	69	0	0.00	20	0	0.00	30	0	0.00	19	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	229	1	0.00	60	0	0.00	87	1	0.01	82	0	0.00			
00400	PH	Other-Hi Lim.	9.	291	2	0.01	79	0	0.00	114	0	0.00	98	2	0.02			
		Other-Lo Lim.	6.5	291	15	0.05	79	2	0.03	114	6	0.05	98	7	0.07			
00403	PH, LAB	Other-Hi Lim.	9.	98	0	0.00	27	0	0.00	37	0	0.00	34	0	0.00			
		Other-Lo Lim.	6.5	98	8	0.08	27	1	0.04	37	4	0.11	34	3	0.09			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	257	0	0.00	67	0	0.00	102	0	0.00	88	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	243	0	0.00	63	0	0.00	95	0	0.00	85	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	4	0	0.00	7	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	85	0	0.00	24	0	0.00	35	0	0.00	26	0	0.00			
		Drinking Water	250.	85	0	0.00	24	0	0.00	35	0	0.00	26	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	83	0	0.00	24	0	0.00	33	0	0.00	26	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	39	0	0.00	9	0	0.00	17	0	0.00	13	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	20	0	0.00	3	0	0.00	7	0	0.00	10	0	0.00			
		Drinking Water	50.	20	0	0.00	3	0	0.00	7	0	0.00	10	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3 &	1	0.33							3	1	0.33			
		Drinking Water	5.	3 &	1	0.33							3	1	0.33			
01034	CHROMIUM, TOTAL	Drinking Water	100.	34	0	0.00	4	0	0.00	13	0	0.00	17	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	33	2	0.06	4	0	0.00	13	0	0.00	16	2	0.13			
		Drinking Water	1300.	33	0	0.00	4	0	0.00	13	0	0.00	16	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	29	0	0.00	4	0	0.00	13	0	0.00	12	0	0.00			
		Drinking Water	15.	28 &	3	0.11	4	0	0.00	13	3	0.23	11	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00				3	0	0.00	6	0	0.00			
		Drinking Water	100.	9	0	0.00				3	0	0.00	6	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	13	0	0.00	2	0	0.00	6	0	0.00	5	0	0.00			
		Drinking Water	100.	13	0	0.00	2	0	0.00	6	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	34	1	0.03	4	0	0.00	13	0	0.00	17	1	0.06			
		Drinking Water	5000.	34	0	0.00	4	0	0.00	13	0	0.00	17	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	11	1	0.09	2	0	0.00	6	0	0.00	3	1	0.33			
		Drinking Water	50.	11	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	10	10	1.00	4	4	1.00	1	1	1.00	5	5	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	23	7	0.30	8	4	0.50	9	3	0.33	6	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	252	106	0.42	68	28	0.41	99	41	0.41	85	37	0.44			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			

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

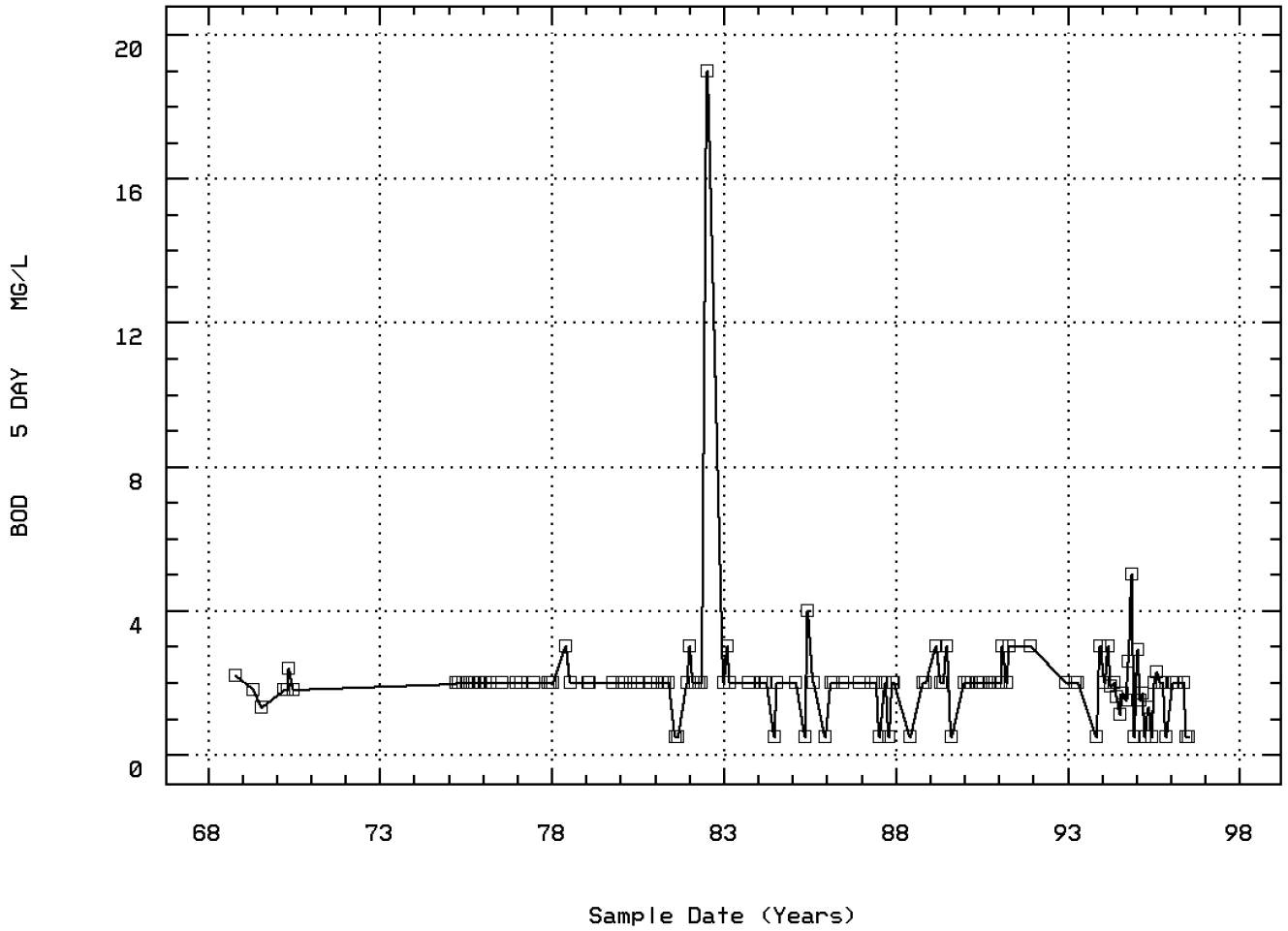
EPA Water Quality Criteria Analysis for Station: PETE0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34361	ENDOSULFAN, ALPHA, TOTAL	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	29	0	0.00	4	0	0.00	12	0	0.00	13	0	0.00			
		Drinking Water	2.	29	0	0.00	4	0	0.00	12	0	0.00	13	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	31	1	0.03	9	0	0.00	12	1	0.08	10	0	0.00			

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

Station: PETE0080 Parameter Code: 00310

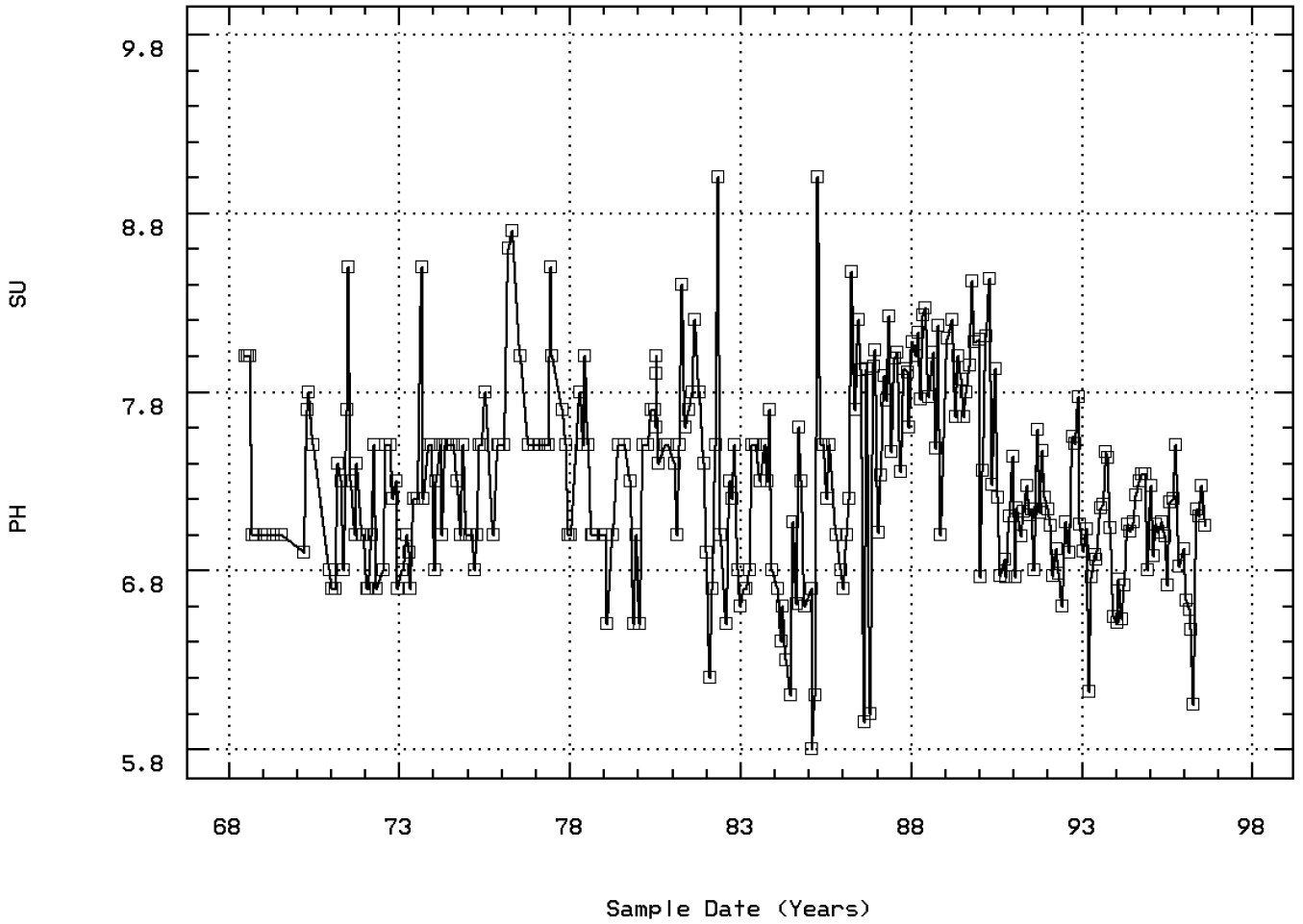
BOD, 5 DAY, 20 DEG C



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00400

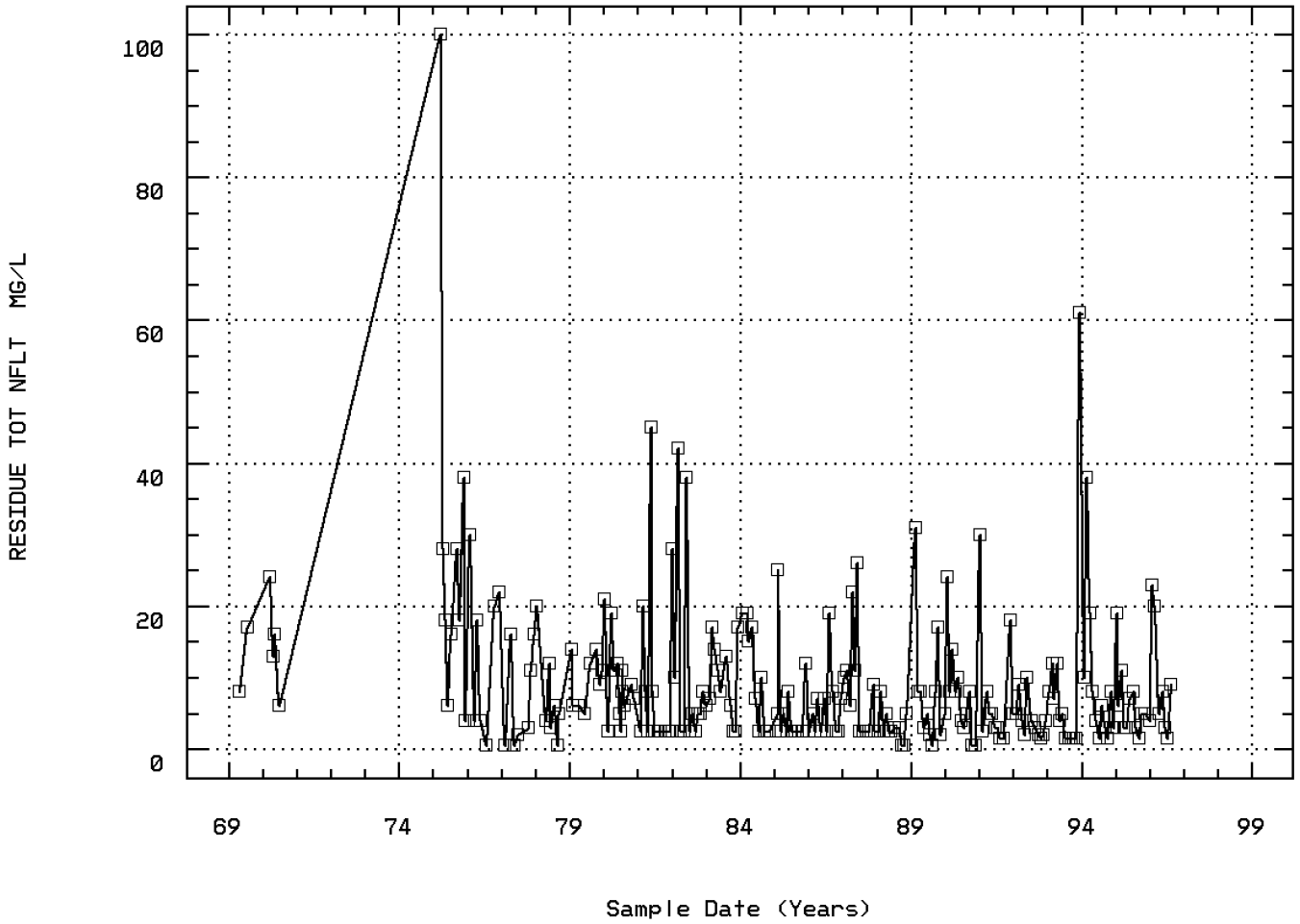
PH (STANDARD UNITS)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00530

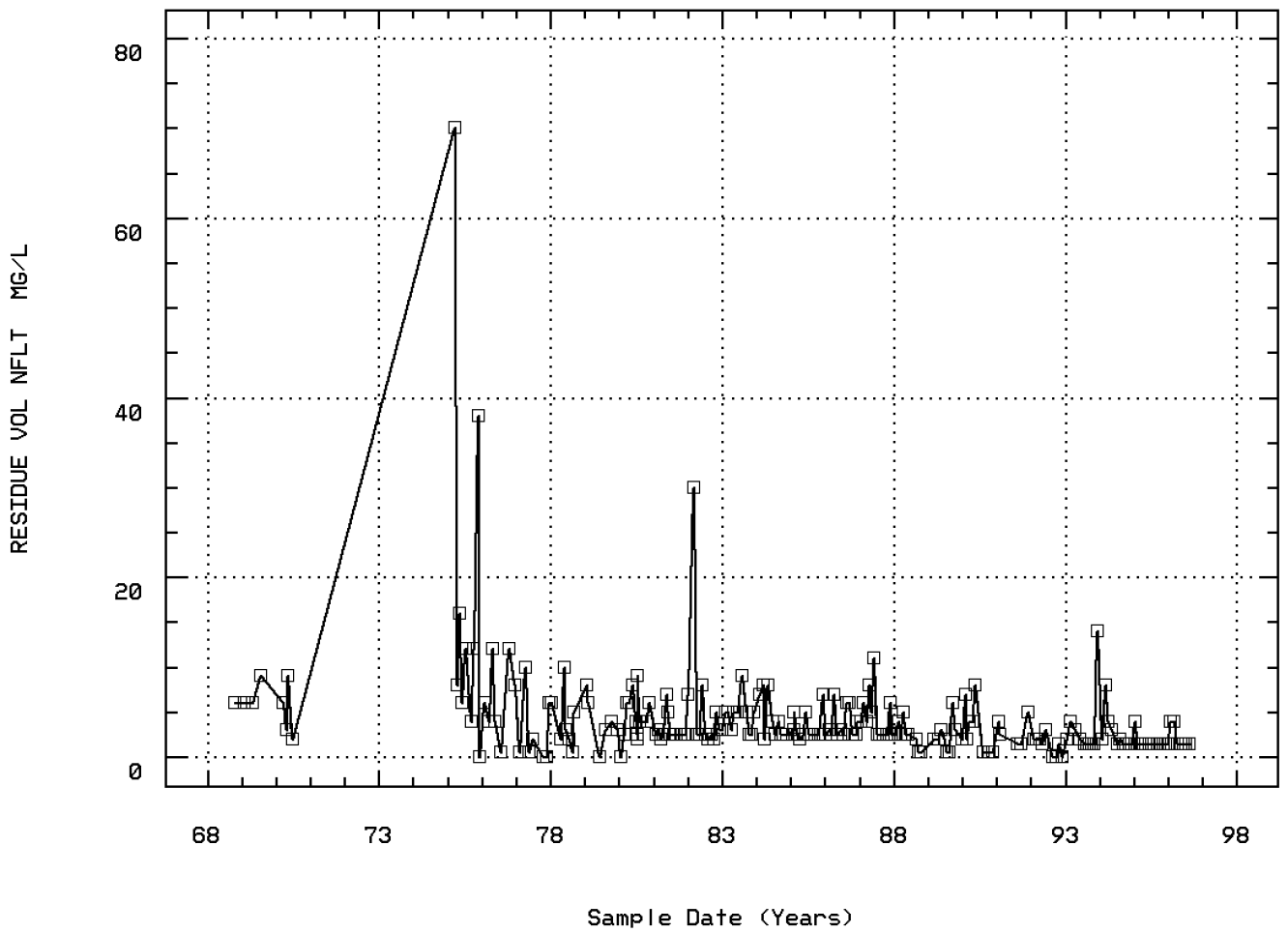
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00535

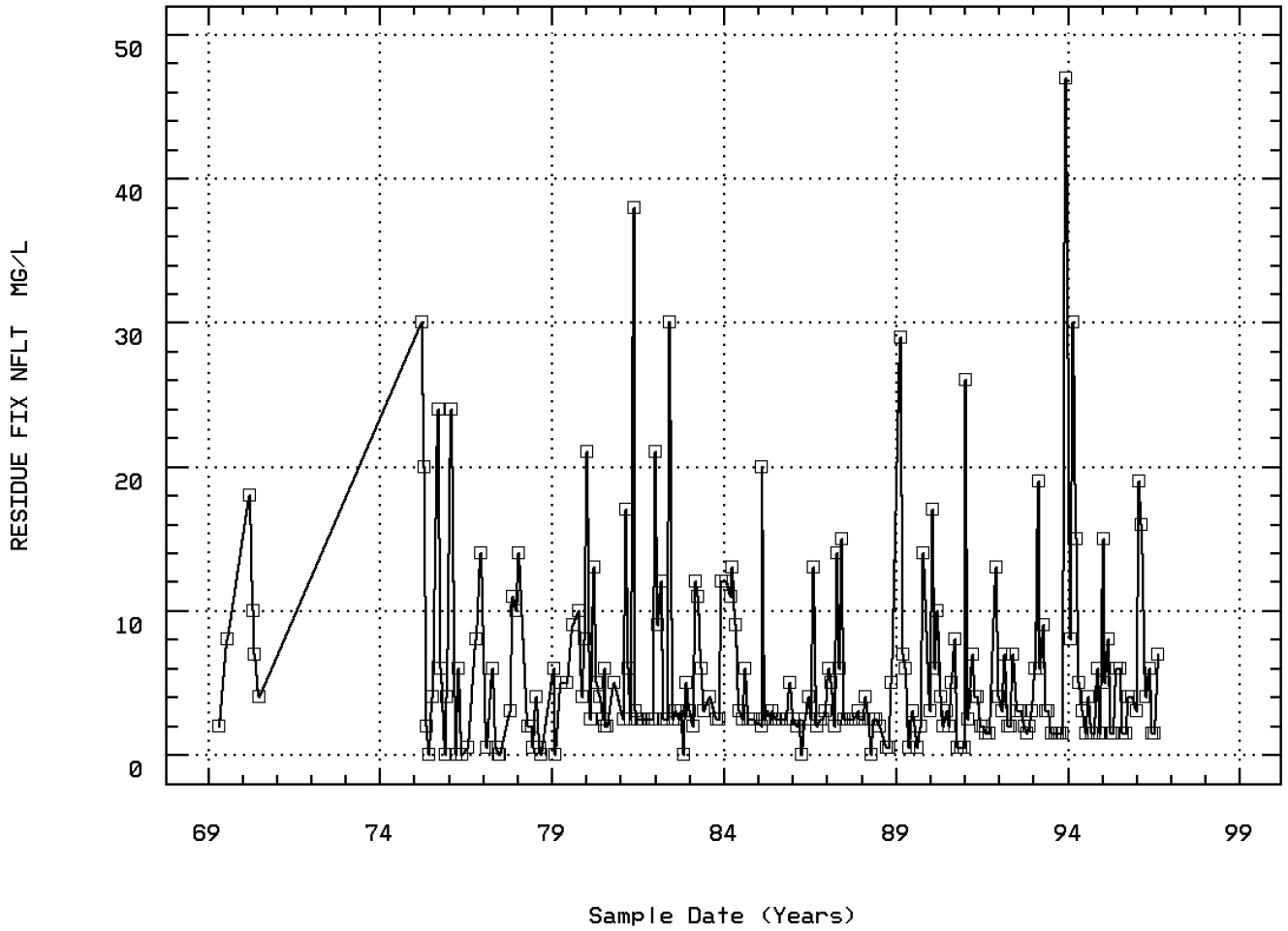
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



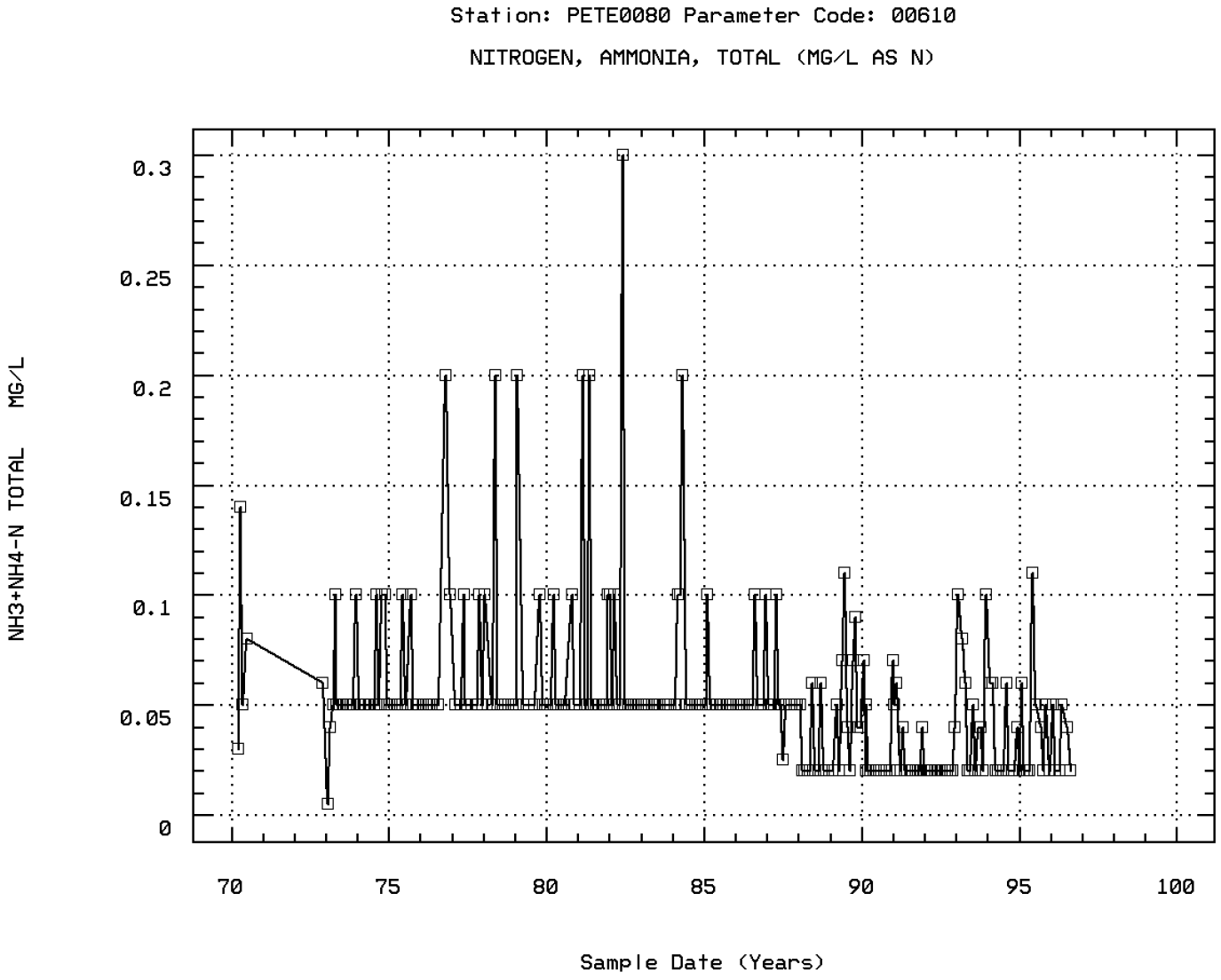
RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00540

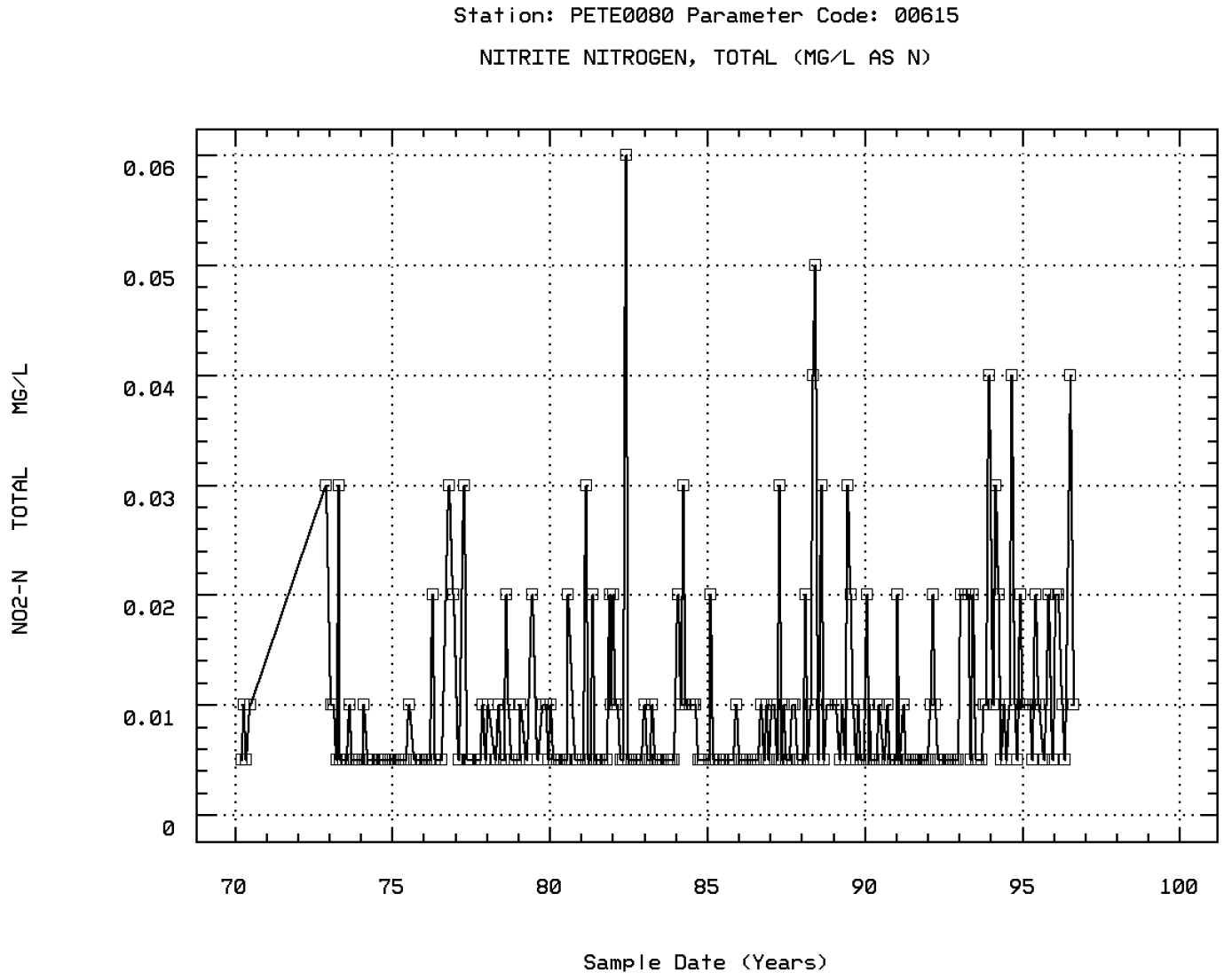
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 36 BRIDGE


Station: PETE0080 Parameter Code: 00610
NITROGEN, AMMONIA, TOTAL (MG/L AS N)
NH3+NH4-N TOTAL MG/L
0.3
0.25
0.2
0.15
0.1
0.05
0
70
75
80
85
90
95
100
Sample Date (Years)

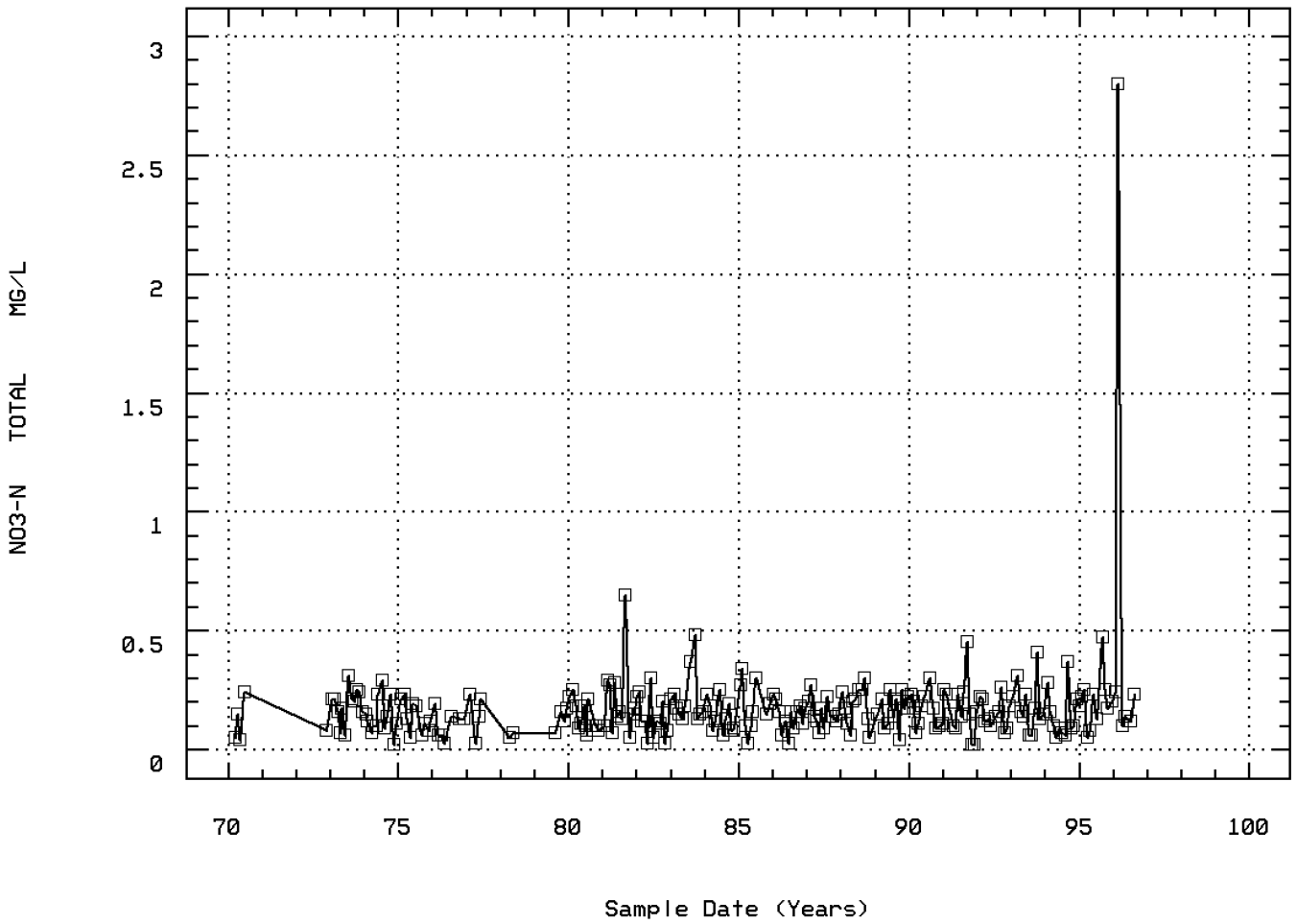
RT. 36 BRIDGE


Station: PETE0080 Parameter Code: 00615
NITRITE NITROGEN, TOTAL (MG/L AS N)
NO2-N TOTAL MG/L
0.06
0.05
0.04
0.03
0.02
0.01
0
70
75
80
85
90
95
100
Sample Date (Years)

RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00620

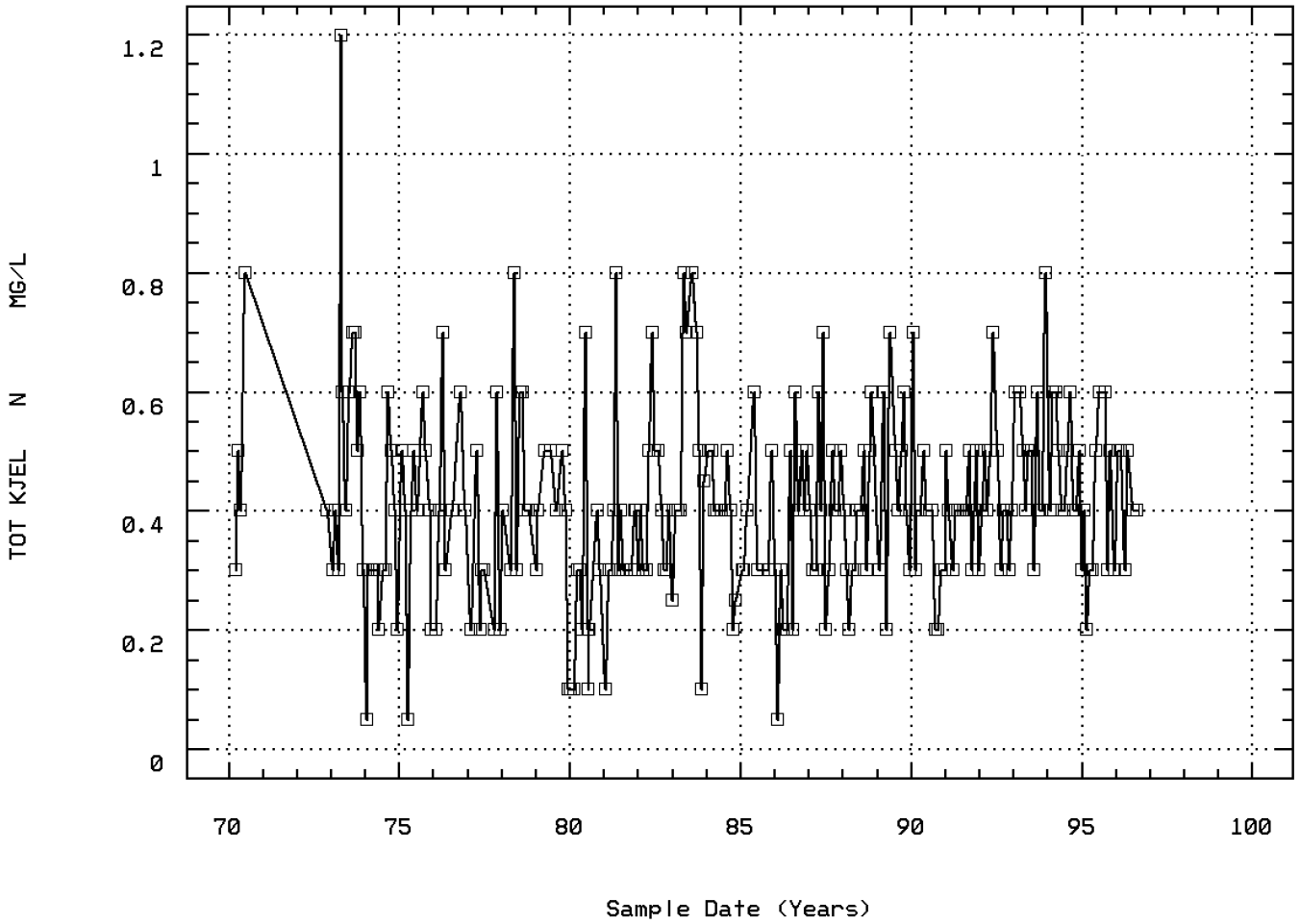
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00625

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



RT. 36 BRIDGE

Annual Analysis for 1968 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	5	23.9	25.32	29.4	21.1	13.342	3.653	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	5	8.	7.64	8.5	6.2	0.773	0.879	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	5	8.	7.6	8.	7.	0.3	0.548	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	5	8.	7.337	8.	7.	0.386	0.622	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	5	0.01	0.046	0.1	0.01	0.002	0.049	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	1	6.	6.	6.	6.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	3	18.3	16.833	27.2	5.	124.823	11.172	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	3	8.5	9.467	12.4	7.5	6.703	2.589	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	2	1.55	1.55	1.8	1.3	0.125	0.354	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	3	7.	7.	7.	7.	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	3	7.	7.	7.	7.	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	3	7.	6.967	7.3	6.6	0.123	0.351	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	3	7.	6.874	7.3	6.6	0.136	0.369	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	3	0.1	0.134	0.251	0.05	0.011	0.105	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	3	22.	23.	30.	17.	43.	6.557	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	3	99.	81.667	133.	13.	3825.333	61.849	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	3	32.	45.667	74.	31.	602.333	24.542	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	2	63.5	63.5	68.	59.	40.5	6.364	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	2	12.5	12.5	17.	8.	40.5	6.364	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	3	6.	7.	9.	6.	3.	1.732	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	2	5.	5.	8.	2.	18.	4.243	**	**	**	**

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

Annual Analysis for 1970 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	5	16.7	13.8	20.6	5.6	44.535	6.673	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	5	10.	10.52	12.2	8.6	2.172	1.474	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	4	1.8	1.95	2.4	1.8	0.09	0.3	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	5	7.5	7.34	7.8	6.8	0.213	0.462	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	5	7.5	7.153	7.8	6.8	0.257	0.507	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	5	0.032	0.07	0.158	0.016	0.004	0.067	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	4	6.8	5.975	7.2	3.1	3.716	1.928	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	4	6.789	3.702	7.2	3.1	10.605	3.257	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	4	0.163	198.679	794.328	0.063	157687.909	397.099	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	4	21.5	23.	31.	18.	31.333	5.598	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	4	97.5	103.5	129.	90.	321.667	17.935	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	4	41.	41.	55.	27.	163.333	12.78	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	4	60.5	62.5	74.	55.	69.667	8.347	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	4	14.5	14.75	24.	6.	55.583	7.455	**	**	**	**

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Annual Analysis for 1970 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	4	4.5	5.	9.	2.	10.	3.162	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	4	8.5	9.75	18.	4.	36.25	6.021	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	4	0.065	0.075	0.14	0.03	0.002	0.048	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	4 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	4	0.1	0.12	0.24	0.04	0.009	0.094	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	4	0.45	0.5	0.8	0.3	0.047	0.216	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	1	4800.	4800.	4800.	4800.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	1	3.681	3.681	3.681	3.681	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4800.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	4	0.025	0.03	0.06	0.01	0.	0.022	**	**	**	**

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Annual Analysis for 1971 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	17.5	15.708	27.8	3.9	85.923	9.269	4.05	6.25	24.9	27.47
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	9.6	9.542	12.	7.6	1.863	1.365	7.72	8.25	10.3	11.85
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.15	7.233	8.5	6.7	0.255	0.505	6.7	6.85	7.4	8.26
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.125	7.054	8.5	6.7	0.29	0.539	6.7	6.85	7.4	8.26
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.075	0.088	0.2	0.003	0.005	0.067	0.008	0.04	0.144	0.2
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12	1500.	2866.667	9200.	50.	12114242.424	3480.552	50.	50.	6750.	8840.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12	3.151	2.885	3.964	1.699	0.872	0.934	1.699	1.699	3.797	3.946
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			767.429								

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Annual Analysis for 1972 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	12.8	14.182	26.1	1.7	69.934	8.363	2.02	7.8	23.3	25.76
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	9.7	9.43	11.8	7.2	2.387	1.545	7.22	7.775	10.8	11.7
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.	7.055	7.5	6.7	0.125	0.353	6.7	6.7	7.5	7.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.	6.939	7.5	6.7	0.139	0.373	6.7	6.7	7.5	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.1	0.115	0.2	0.032	0.006	0.076	0.032	0.032	0.2	0.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	300.	672.727	2900.	50.	851681.818	922.866	50.	100.	1000.	2700.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	2.477	2.466	3.462	1.699	0.361	0.601	1.699	2.	3.	3.426
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			292.132								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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Annual Analysis for 1973 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	15.55	16.85	27.8	3.3	75.301	8.678	3.99	9.725	26.125	27.8
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	10.05	10.042	13.8	7.6	4.01	2.002	7.72	8.1	11.35	13.44
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.2	7.209	8.5	6.7	0.257	0.507	6.72	6.8	7.5	8.3
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.2	7.042	8.5	6.7	0.288	0.536	6.72	6.8	7.5	8.3

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Annual Analysis for 1973 - Station PETE0080

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	06/28/68-08/13/96	11	0.063	0.091	0.2	0.003	0.004	0.063	0.009	0.032	0.158	0.191
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.05	0.054	0.1	0.005	0.001	0.025	0.016	0.05	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.024
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.205	0.188	0.31	0.06	0.005	0.071	0.063	0.16	0.233	0.292
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.55	0.55	1.199	0.3	0.064	0.254	0.3	0.325	0.675	1.049
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	50.	595.833	6000.	50.	2907026.515	1705.	50.	50.	175.	4320.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	1.699	2.048	3.778	1.699	0.384	0.62	1.699	1.699	2.226	3.425
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			111.644								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	12 ##	0.05	0.047	0.05	0.03	0.	0.008	0.03	0.05	0.05	0.05

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Annual Analysis for 1974 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	16.65	16.342	26.7	5.6	51.315	7.163	6.59	9.825	22.075	26.19
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	10.1	9.833	12.2	6.8	3.235	1.799	7.16	8.2	11.55	12.14
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.4	7.283	7.5	6.8	0.069	0.262	6.86	7.	7.5	7.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.389	7.205	7.5	6.8	0.075	0.275	6.86	7.	7.5	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.041	0.062	0.158	0.032	0.002	0.042	0.032	0.032	0.1	0.141
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.05	0.062	0.1	0.05	0.001	0.023	0.05	0.05	0.088	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.009
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.115	0.138	0.29	0.02	0.006	0.077	0.035	0.093	0.21	0.272
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.3	0.313	0.6	0.05	0.02	0.142	0.095	0.225	0.375	0.57
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	50.	1070.833	6000.	50.	5311117.424	2304.586	50.	50.	312.5	6000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	1.699	2.121	3.778	1.699	0.666	0.816	1.699	1.699	2.376	3.778
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			132.056								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	12 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

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Annual Analysis for 1975 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	10	11.65	14.35	26.7	5.	59.781	7.732	5.17	8.35	21.25	26.53
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	9	10.6	10.156	12.4	7.8	2.748	1.658	7.8	8.6	11.7	12.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	8	2.	2.	2.	2.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.25	7.26	7.8	6.8	0.112	0.334	6.82	7.	7.5	7.77
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.182	7.154	7.8	6.8	0.124	0.352	6.82	7.	7.5	7.77
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.066	0.07	0.158	0.016	0.002	0.047	0.017	0.032	0.1	0.153
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	9	18.	28.444	100.	4.	835.778	28.91	4.	11.	33.	100.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	9	12.	18.444	70.	0.	492.778	22.199	0.	5.	27.	70.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	9	4.	10.	30.	0.	131.	11.446	0.	1.	22.	30.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	10 ##	0.05	0.06	0.1	0.05	0.	0.021	0.05	0.05	0.063	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	10 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	10	0.125	0.136	0.23	0.05	0.004	0.064	0.051	0.075	0.195	0.228
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	10	0.4	0.395	0.6	0.05	0.026	0.161	0.065	0.35	0.5	0.59
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	8	9.	9.25	14.	6.	6.5	2.55	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	10 ##	50.	225.	900.	50.	111250.	333.542	50.	50.	350.	890.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	10 ##	1.699	2.005	2.954	1.699	0.272	0.522	1.699	1.699	2.452	2.949
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			101.185								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	10 ##	0.05	0.037	0.05	0.005	0.	0.018	0.006	0.018	0.05	0.05

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Annual Analysis for 1976 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	7	15.	14.6	27.8	3.9	74.47	8.63	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	7	9.6	10.214	13.4	8.3	3.748	1.936	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	7	2.	1.571	2.	1.	0.286	0.535	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	6	7.75	7.967	8.7	7.5	0.319	0.565	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	6	7.682	7.739	8.7	7.5	0.381	0.617	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	6	0.021	0.018	0.032	0.002	0.	0.015	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	7	18.	14.071	30.	0.5	125.702	11.212	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	7	6.	6.643	12.	0.5	18.56	4.308	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	7	6.	7.5	24.	0.	79.75	8.93	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	7 ##	0.05	0.079	0.2	0.05	0.003	0.057	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	7 ##	0.005	0.013	0.03	0.005	0.	0.01	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	7	0.13	0.105	0.19	0.025	0.003	0.058	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	7	0.4	0.429	0.7	0.2	0.029	0.17	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	6	7.	7.5	11.	6.	3.5	1.871	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	7 ##	50.	100.	300.	50.	8333.333	91.287	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	7 ##	1.699	1.896	2.477	1.699	0.086	0.293	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			78.731								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	7	0.01	0.019	0.06	0.005	0.	0.02	**	**	**	**

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Annual Analysis for 1977 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	10	17.5	13.26	27.	1.	103.932	10.195	1.05	1.95	21.5	26.6
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	8.4	8.59	13.5	1.1	11.352	3.369	1.77	7.875	10.375	13.45
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	8	1.5	1.5	2.	1.	0.286	0.535	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.5	7.72	8.5	7.	0.228	0.478	7.05	7.5	8.125	8.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.5	7.531	8.5	7.	0.268	0.518	7.05	7.5	8.125	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.032	0.029	0.1	0.003	0.001	0.028	0.003	0.008	0.032	0.093
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	2	108.	108.	119.	97.	242.	15.556	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	2	61.5	61.5	76.	47.	420.5	20.506	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	2	46.5	46.5	50.	43.	24.5	4.95	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	2.5	6.25	16.	0.5	47.857	6.918	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	8	0.75	2.5	10.	0.	13.071	3.615	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	1.75	3.875	11.	0.	20.911	4.573	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	8 ##	0.05	0.063	0.1	0.05	0.001	0.023	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	8 ##	0.005	0.009	0.03	0.005	0.	0.009	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	4	0.175	0.151	0.23	0.025	0.009	0.093	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	8	0.25	0.313	0.6	0.2	0.024	0.155	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	8	9.	8.75	16.	4.	13.357	3.655	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	7 ##	50.	142.857	400.	50.	21190.476	145.569	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	7 ##	1.699	1.982	2.602	1.699	0.158	0.398	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			95.974								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	7 ##	0.005	0.016	0.06	0.005	0.	0.021	**	**	**	**

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Annual Analysis for 1978 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	8	19.25	18.15	31.	0.2	119.166	10.916	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	8	8.8	9.55	16.4	7.2	8.954	2.992	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	7	1.	1.571	3.	1.	0.619	0.787	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	7	7.5	7.4	8.	7.	0.17	0.412	**	**	**	**

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Annual Analysis for 1978 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	7	7.5	7.255	8.	7.	0.195	0.441	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	7	0.032	0.056	0.1	0.01	0.002	0.042	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	1	115.	115.	115.	115.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	7	5.	7.214	20.	0.5	44.321	6.657	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	7	3.	4.071	10.	0.5	10.369	3.22	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	7	2.	3.286	14.	0.	24.155	4.915	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	8 ##	0.05	0.075	0.2	0.05	0.003	0.053	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	8 ##	0.008	0.009	0.02	0.005	0.	0.005	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	2	0.06	0.06	0.07	0.05	0.	0.014	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	8	0.4	0.475	0.8	0.3	0.031	0.175	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	6	9.5	11.167	21.	8.	23.767	4.875	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	8	100.	150.	400.	50.	16428.571	128.174	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	8	2.	2.06	2.602	1.699	0.106	0.326	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			114.72								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	8 ##	0.008	0.016	0.04	0.005	0.	0.016	**	**	**	**

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Annual Analysis for 1979 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	8	13.75	12.75	24.5	3.	63.714	7.982	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	4	67.	67.75	78.	59.	84.917	9.215	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	8	10.25	9.887	12.6	7.	4.45	2.109	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	8	1.	1.375	2.	1.	0.268	0.518	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	3	24.	19.333	26.	8.	97.333	9.866	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	8	7.	7.038	7.5	6.5	0.154	0.393	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	8	7.	6.884	7.5	6.5	0.181	0.426	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	8	0.1	0.131	0.316	0.032	0.014	0.118	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	4	83.5	83.5	94.	73.	121.667	11.03	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	4	27.	31.25	50.	21.	164.917	12.842	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	4	56.5	52.25	73.	23.	478.25	21.869	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	10.	9.625	14.	5.	13.411	3.662	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	7	3.	3.571	8.	0.	7.619	2.76	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	8	5.5	5.875	10.	0.	10.125	3.182	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	8 ##	0.05	0.075	0.2	0.05	0.003	0.053	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	8 ##	0.008	0.009	0.02	0.005	0.	0.005	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	4	0.14	0.13	0.17	0.07	0.002	0.045	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	8	0.4	0.388	0.5	0.1	0.018	0.136	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	4 ##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	4	0.025	0.03	0.06	0.01	0.001	0.024	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	8	9.5	10.	13.	6.	6.286	2.507	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	8	100.	362.5	1500.	50.	273392.857	522.87	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	8	2.	2.222	3.176	1.699	0.296	0.545	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			166.828								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	4	0.035	0.035	0.05	0.02	0.	0.013	**	**	**	**

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Annual Analysis for 1980 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	20.	18.642	29.5	3.5	97.386	9.868	4.1	9.125	28.5	29.41
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	90.5	86.583	100.	58.	162.992	12.767	62.5	77.25	97.5	99.4
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	8.5	9.117	13.9	6.8	4.171	2.042	6.95	7.6	10.7	13.06
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	1.	1.333	2.	1.	0.242	0.492	1.	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	12	10.5	10.25	16.	6.	7.295	2.701	6.3	7.75	11.75	14.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.5	7.527	8.	6.5	0.15	0.388	6.68	7.5	7.7	7.98
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.5	7.285	8.	6.5	0.215	0.463	6.68	7.5	7.7	7.98
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.032	0.052	0.316	0.01	0.008	0.088	0.011	0.02	0.032	0.261
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	8.5	9.5	21.	2.5	33.864	5.819	2.5	5.25	11.75	20.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	4.	4.5	9.	0.	6.773	2.602	0.6	2.5	6.	8.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	3.25	5.417	21.	1.	34.765	5.896	1.	2.	5.75	18.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	11 ##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.017
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.105	0.138	0.25	0.06	0.004	0.065	0.066	0.083	0.203	0.241
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	11	0.2	0.264	0.7	0.1	0.031	0.175	0.1	0.1	0.3	0.64
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11 ##	0.05	0.095	0.4	0.05	0.011	0.104	0.05	0.05	0.1	0.34
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	12	0.015	0.018	0.04	0.005	0.	0.012	0.007	0.01	0.02	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	12	8.	8.917	14.	6.	4.992	2.234	6.3	7.25	10.75	13.1
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12	200.	745.833	5300.	50.	2241571.97	1497.188	65.	100.	550.	4190.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12	2.301	2.409	3.724	1.699	0.34	0.583	1.789	2.	2.734	3.568
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			256.58								

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Annual Analysis for 1981 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	15.5	15.542	27.	4.	71.884	8.478	4.9	7.5	25.375	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	96.	98.667	119.	78.	163.879	12.802	78.9	91.25	107.	118.1
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	9.3	9.4	12.6	7.1	2.607	1.615	7.19	7.975	10.5	12.12
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	1.	1.333	2.	0.5	0.379	0.615	0.5	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	12	15.	15.583	27.	9.	38.447	6.201	9.	10.	18.75	26.7
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.65	7.68	8.4	7.	0.164	0.405	7.04	7.4	7.9	8.38
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.647	7.525	8.4	7.	0.191	0.437	7.04	7.4	7.9	8.38
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.023	0.03	0.1	0.004	0.001	0.028	0.004	0.013	0.04	0.094
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12 ##	2.5	8.417	45.	2.5	159.356	12.624	2.5	2.5	8.	37.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12 ##	2.5	3.083	7.	2.	2.083	1.443	2.15	2.5	2.875	6.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12 ##	2.5	7.	38.	2.5	112.727	10.617	2.5	2.5	5.25	31.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.05	0.079	0.2	0.05	0.003	0.058	0.05	0.05	0.088	0.2
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.01	0.03	0.005	0.	0.009	0.005	0.005	0.018	0.027
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.155	0.205	0.65	0.05	0.026	0.161	0.056	0.108	0.278	0.542
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.3	0.358	0.8	0.1	0.026	0.162	0.16	0.3	0.4	0.68
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	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)	08/14/79-07/17/91	12	0.025	0.037	0.11	0.01	0.001	0.03	0.01	0.02	0.048	0.101
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	12	8.5	8.75	13.	2.	9.659	3.108	2.9	8.	10.75	13.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	75.	391.667	2500.	50.	521287.879	722.003	50.	50.	425.	2050.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	1.849	2.133	3.398	1.699	0.351	0.593	1.699	1.699	2.599	3.279
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			135.721								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	17.	15.227	28.	3.	68.868	8.299	3.3	6.	22.	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	83.	83.167	98.	67.	113.97	10.676	67.9	73.25	94.	97.7
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	8.8	9.182	11.	7.5	1.312	1.145	7.5	8.6	10.2	10.88
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	1.5	3.	19.	1.	25.818	5.081	1.	1.	2.	14.2
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	11	17.	18.727	28.	11.	31.618	5.623	11.4	14.	24.	27.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.	7.145	9.	6.2	0.543	0.737	6.26	6.7	7.5	8.7
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.	6.809	9.	6.2	0.667	0.817	6.26	6.7	7.5	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.1	0.155	0.631	0.001	0.033	0.182	0.007	0.032	0.2	0.568
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	5.	12.583	42.	2.5	214.174	14.635	2.5	2.5	23.5	40.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	2.5	5.667	30.	1.	63.242	7.953	1.3	2.125	6.5	23.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	3.	7.75	30.	0.	83.023	9.112	0.75	2.5	11.25	27.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.05	0.079	0.3	0.05	0.005	0.072	0.05	0.05	0.088	0.24
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.012	0.06	0.005	0.	0.016	0.005	0.005	0.01	0.048
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.12	0.134	0.3	0.025	0.008	0.088	0.025	0.058	0.215	0.282
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.4	0.408	0.7	0.3	0.015	0.124	0.3	0.3	0.5	0.64
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12 ##	0.05	0.071	0.2	0.005	0.002	0.049	0.019	0.05	0.1	0.17
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	12	0.02	0.035	0.18	0.005	0.002	0.047	0.007	0.02	0.035	0.141
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	12	6.5	7.	12.	3.	5.273	2.296	3.6	6.	8.75	11.1
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	50.	154.167	600.	50.	31117.424	176.401	50.	50.	200.	540.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	1.699	1.99	2.778	1.699	0.162	0.403	1.699	1.699	2.301	2.725
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			97.631								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	14.	15.318	27.	6.	59.714	7.727	6.	8.5	23.	26.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	10	70.	75.8	105.	58.	263.067	16.219	58.3	61.75	90.	103.8
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	11.2	10.864	14.	7.7	3.453	1.858	7.9	9.4	12.4	13.72
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	1.	1.455	3.	1.	0.473	0.688	1.	1.	2.	2.8
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	11	16.	15.636	33.	8.	54.455	7.379	8.2	9.	18.	30.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.3	7.127	7.7	6.6	0.166	0.408	6.62	6.7	7.5	7.66
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	7.3	6.969	7.7	6.6	0.194	0.44	6.62	6.7	7.5	7.66
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.05	0.107	0.251	0.02	0.007	0.086	0.022	0.032	0.2	0.241
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	8.	9.455	17.	2.5	27.823	5.275	2.5	6.	14.	17.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	5.	4.545	9.	2.5	3.423	1.85	2.5	3.	5.	8.2
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	3.	5.364	12.	1.	18.005	4.243	1.2	2.5	11.	12.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.17	0.215	0.48	0.13	0.012	0.111	0.13	0.15	0.23	0.458
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	11	0.45	0.5	0.8	0.1	0.052	0.227	0.13	0.4	0.7	0.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	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)	08/14/79-07/17/91	11	0.03	0.03	0.06	0.005	0.	0.017	0.006	0.02	0.04	0.058
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	11	7.	6.909	10.	4.	3.891	1.973	4.2	5.	8.	10.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	200.	272.727	800.	50.	73181.818	270.521	50.	50.	400.	780.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	2.301	2.214	2.903	1.699	0.23	0.479	1.699	1.699	2.602	2.891
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			163.553								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	10	14.8	15.84	26.	2.5	72.972	8.542	3.05	9.5	25.625	26.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	10	69.5	66.1	84.	35.	275.656	16.603	36.7	53.5	81.	83.7
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	9.75	10.07	14.2	7.2	7.38	2.717	7.21	7.375	12.425	14.18
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	10	1.	1.35	2.	0.5	0.336	0.58	0.55	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	10	15.5	16.7	35.	7.	60.456	7.775	7.3	11.5	20.25	33.6
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	6.605	6.728	7.6	6.1	0.215	0.464	6.12	6.375	7.128	7.57
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	6.605	6.553	7.6	6.1	0.249	0.499	6.12	6.375	7.128	7.57
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.248	0.28	0.794	0.025	0.055	0.234	0.028	0.076	0.424	0.765
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	8.5	9.7	19.	2.5	52.122	7.22	2.5	2.5	17.5	19.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10	3.25	4.3	8.	2.	5.9	2.429	2.05	2.5	7.25	8.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	4.5	6.4	13.	2.5	19.489	4.415	2.5	2.5	11.25	12.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	10 ##	0.05	0.075	0.2	0.05	0.002	0.049	0.05	0.05	0.1	0.19
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	10	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.005	0.013	0.029
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	10	0.125	0.141	0.25	0.06	0.005	0.067	0.062	0.08	0.2	0.248
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	10	0.4	0.395	0.5	0.2	0.01	0.101	0.205	0.363	0.5	0.5
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	10 ##	0.075	0.086	0.2	0.05	0.002	0.048	0.05	0.05	0.103	0.191
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	10	0.035	0.047	0.11	0.02	0.001	0.029	0.021	0.03	0.06	0.108
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	10	8.	8.3	12.	6.	3.567	1.889	6.	6.75	10.	11.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	10 ##	75.	115.	300.	50.	7805.556	88.349	50.	50.	200.	290.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	10 ##	1.849	1.957	2.477	1.699	0.094	0.306	1.699	1.699	2.301	2.46
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			90.657								

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

Annual Analysis for 1985 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	10	12.75	14.53	26.6	2.	84.058	9.168	2.06	7.4	25.	26.44
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	10	80.5	79.3	101.	50.	190.456	13.801	51.7	73.75	87.5	100.1
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	11.35	10.95	15.2	6.4	7.303	2.702	6.6	8.775	13.225	15.04
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	10	1.	1.4	4.	0.5	1.1	1.049	0.5	0.875	2.	3.8
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	10	13.	14.1	24.	4.	32.989	5.744	4.6	10.75	18.5	23.6
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.1	7.11	9.	5.8	0.783	0.885	5.83	6.55	7.5	8.85
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	10	7.089	6.523	9.	5.8	1.166	1.08	5.83	6.55	7.5	8.85
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	10	0.082	0.3	1.585	0.001	0.259	0.508	0.004	0.032	0.348	1.506
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10 ##	3.75	6.75	25.	2.5	50.958	7.139	2.5	2.5	9.	23.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10 ##	2.5	3.45	7.	2.	2.692	1.641	2.05	2.5	5.	6.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10 ##	2.5	4.55	20.	2.	30.136	5.49	2.05	2.5	3.5	18.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	9 ##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	9 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.008	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	9	0.16	0.182	0.34	0.025	0.011	0.104	0.025	0.1	0.285	0.34
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	7	0.3	0.386	0.6	0.3	0.015	0.121	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	7 ##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	9	0.02	0.028	0.09	0.005	0.001	0.027	0.005	0.008	0.04	0.09
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	10	4.5	5.3	10.	3.	5.789	2.406	3.	3.	7.25	9.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	10	150.	240.	900.	50.	74888.889	273.658	50.	50.	350.	860.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	10	2.151	2.153	2.954	1.699	0.215	0.464	1.699	1.699	2.533	2.929
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			142.176								

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

Annual Analysis for 1986 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	16.2	16.367	29.5	2.5	82.504	9.083	3.25	8.5	25.625	28.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	86.	84.667	104.	71.	117.333	10.832	71.	73.75	92.	102.5
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	10.4	10.442	14.8	7.4	5.375	2.318	7.49	8.25	12.55	14.26
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	1.	1.333	2.	1.	0.242	0.492	1.	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	12	12.	11.333	21.	1.	29.333	5.416	2.5	7.	15.5	19.5
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.81	7.42	8.47	5.95	0.715	0.845	5.965	6.775	8.008	8.389
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.796	6.671	8.47	5.95	1.327	1.152	5.965	6.775	8.007	8.389
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.016	0.213	1.122	0.003	0.161	0.401	0.004	0.01	0.175	1.085
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12 ##	3.75	5.667	19.	2.5	22.652	4.759	2.5	2.5	7.	15.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12 ##	2.75	3.667	7.	2.5	2.833	1.683	2.5	2.5	5.5	6.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12 ##	2.5	3.25	13.	0.	10.25	3.202	0.6	2.125	2.875	10.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.05	0.058	0.1	0.05	0.	0.019	0.05	0.05	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.16	0.14	0.23	0.025	0.004	0.06	0.036	0.095	0.178	0.224
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.35	0.346	0.6	0.05	0.027	0.164	0.095	0.2	0.5	0.57
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12 ##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	12	0.02	0.018	0.03	0.005	0.	0.009	0.007	0.01	0.028	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	12	6.	5.833	7.	4.	1.242	1.115	4.	5.	7.	7.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	75.	100.	200.	50.	4090.909	63.96	50.	50.	175.	200.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	1.849	1.925	2.301	1.699	0.068	0.261	1.699	1.699	2.226	2.301
31616p	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 1987 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	14.	16.35	30.	4.	92.906	9.639	4.3	7.625	26.875	29.16
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	12	80.5	84.333	144.	50.	548.97	23.43	55.7	72.	90.	133.2
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	12	10.9	10.183	13.4	5.8	5.529	2.351	6.28	8.275	12.2	13.13
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	1.	1.333	2.	0.5	0.379	0.615	0.5	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	12	16.5	15.708	26.	0.5	40.112	6.333	3.65	13.	19.75	24.2
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.82	7.705	8.22	7.01	0.127	0.356	7.106	7.378	7.975	8.16
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.814	7.561	8.22	7.01	0.149	0.386	7.106	7.378	7.975	8.16
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.015	0.027	0.098	0.006	0.001	0.026	0.007	0.011	0.042	0.082
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	7.5	8.958	26.	2.5	62.475	7.904	2.5	2.5	11.	24.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	4.	4.708	11.	2.5	7.203	2.684	2.5	2.5	6.	10.1
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	2.75	5.292	15.	2.	20.566	4.535	2.15	2.5	6.	14.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.05	0.052	0.1	0.025	0.	0.017	0.033	0.05	0.05	0.085
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.008	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.024
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.14	0.153	0.27	0.07	0.003	0.056	0.076	0.12	0.193	0.255
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.4	0.417	0.7	0.2	0.02	0.14	0.23	0.3	0.5	0.67
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.1	0.096	0.3	0.05	0.005	0.069	0.05	0.05	0.1	0.24
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	12	0.03	0.036	0.06	0.02	0.	0.014	0.02	0.023	0.05	0.057
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	8	6.	6.5	10.	5.	2.571	1.604	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	200.	250.	500.	50.	38000.	194.936	50.	50.	500.	500.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	2.301	2.234	2.699	1.699	0.182	0.426	1.699	1.699	2.699	2.699
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			171.397								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	13.7	15.445	26.8	4.	76.879	8.768	4.38	6.2	24.5	26.64
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	11	85.	86.818	99.	77.	41.964	6.478	78.	82.	92.	98.
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	10.	10.255	13.5	8.	3.933	1.983	8.02	8.4	12.	13.36
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	1.	1.136	2.	0.5	0.205	0.452	0.6	1.	1.	2.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	11	12.	13.182	16.	9.	5.364	2.316	9.4	12.	15.	16.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	8.02	7.901	8.27	7.	0.145	0.381	7.096	7.76	8.17	8.262
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	8.02	7.697	8.27	7.	0.191	0.437	7.096	7.76	8.17	8.262
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.01	0.02	0.1	0.005	0.001	0.028	0.005	0.007	0.017	0.087
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11 ##	2.5	3.182	8.	0.5	4.614	2.148	0.5	2.5	5.	7.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11 ##	2.5	2.182	5.	0.5	2.014	1.419	0.5	1.	2.5	4.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11 ##	2.5	2.091	5.	0.	2.341	1.53	0.1	0.5	2.5	4.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	10 ##	0.02	0.031	0.06	0.02	0.	0.018	0.02	0.02	0.053	0.06
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.01	0.017	0.05	0.005	0.	0.016	0.005	0.005	0.03	0.048
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.2	0.179	0.3	0.05	0.007	0.082	0.052	0.11	0.25	0.29
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	11	0.4	0.382	0.6	0.2	0.014	0.117	0.22	0.3	0.5	0.58
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	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)	08/14/79-07/17/91	11	0.01	0.02	0.04	0.01	0.	0.013	0.01	0.01	0.03	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	8	4.8	4.738	6.5	3.4	0.906	0.952	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	2	8.5	8.5	9.	8.	0.5	0.707	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	100.	131.818	300.	50.	10136.364	100.68	50.	50.	200.	300.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	2.	2.005	2.477	1.699	0.109	0.33	1.699	1.699	2.301	2.477
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			101.077								

** - 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 1989 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	11	16.1	17.436	28.4	2.5	69.899	8.361	3.62	9.7	24.5	28.06
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	7	75.	77.	85.	72.	27.333	5.228	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	4	92.	85.75	98.	61.	282.917	16.82	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	11	9.5	10.345	15.1	7.7	6.435	2.537	7.76	8.4	12.2	14.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	1.	1.591	3.	0.5	0.741	0.861	0.6	1.	2.	3.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	11	19.	21.364	35.	8.	58.055	7.619	9.8	17.	28.	34.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	11	8.	7.985	8.42	7.66	0.053	0.23	7.66	7.8	8.1	8.376
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	11	8.	7.931	8.42	7.66	0.056	0.237	7.66	7.8	8.1	8.376
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	11	0.01	0.012	0.022	0.004	0.	0.006	0.004	0.008	0.016	0.022
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	11	7.	7.082	7.5	6.7	0.062	0.248	6.72	6.9	7.3	7.48
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	11	7.	7.021	7.5	6.7	0.066	0.256	6.72	6.9	7.3	7.48
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	11	0.1	0.095	0.2	0.032	0.003	0.051	0.033	0.05	0.126	0.191
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	11	22.	23.	35.	15.	36.8	6.066	15.2	19.	29.	33.8
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	9	82.	88.556	132.	74.	333.528	18.263	74.	76.5	96.5	132.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	9	27.	27.667	41.	17.	50.75	7.124	17.	22.5	32.	41.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	9	59.	60.889	91.	49.	161.861	12.722	49.	51.	64.5	91.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	5.	8.136	31.	0.5	78.105	8.838	0.8	2.	8.	28.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	2.	2.091	6.	0.5	2.441	1.562	0.5	1.	3.	5.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	3.	6.182	29.	0.5	72.914	8.539	0.5	1.	7.	26.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.04	0.052	0.11	0.02	0.001	0.03	0.02	0.02	0.07	0.106
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.01	0.01	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.028
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.17	0.167	0.25	0.04	0.005	0.068	0.05	0.11	0.22	0.25
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	11	0.5	0.5	1.	0.2	0.05	0.224	0.22	0.3	0.6	0.94
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.1	0.077	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	0.02	0.028	0.05	0.01	0.	0.015	0.01	0.02	0.04	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	11	6.4	6.427	8.3	3.8	1.986	1.409	3.96	5.4	7.6	8.26
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	10	24.	25.4	30.	22.	10.711	3.273	22.	22.	28.5	30.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	10	4.5	4.7	8.	2.	2.9	1.703	2.1	3.75	6.	7.8
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	10	6.	5.9	9.	3.	3.211	1.792	3.1	4.75	7.25	8.9

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

Annual Analysis for 1989 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	400.	1100.	8000.	100.	5286000.	2299.13	120.	200.	600.	6580.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	2.602	2.665	3.903	2.	0.238	0.488	2.06	2.301	2.778	3.713
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			462.548								

** - Less than 9 observations ## - Computed with 50% or 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 PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	13	15.	16.731	28.5	6.5	58.024	7.617	7.02	9.85	23.55	27.74
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	12	85.5	82.75	94.	64.	89.295	9.45	66.7	74.5	89.75	94.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	4	13.15	12.725	13.4	11.2	1.089	1.044	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	10	9.15	9.65	12.3	7.7	2.498	1.581	7.71	8.175	11.125	12.19
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	2.	1.636	2.	1.	0.255	0.505	1.	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	11	14.	13.227	25.	0.5	45.868	6.773	1.6	9.	17.	24.2
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	13	7.21	7.316	8.43	6.76	0.291	0.54	6.76	6.815	7.685	8.302
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	13	7.21	7.1	8.43	6.76	0.342	0.585	6.76	6.815	7.685	8.302
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	13	0.062	0.079	0.174	0.004	0.004	0.064	0.005	0.024	0.154	0.174
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	12	6.85	6.808	7.1	6.3	0.057	0.239	6.39	6.625	7.	7.1
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	12	6.847	6.742	7.1	6.3	0.062	0.249	6.39	6.625	7.	7.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	12	0.142	0.181	0.501	0.079	0.014	0.118	0.079	0.1	0.238	0.426
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	12	27.5	26.667	33.	20.	27.152	5.211	20.	20.25	31.5	33.
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	12	77.	79.083	95.	65.	84.265	9.18	66.5	72.25	86.	93.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	12	22.5	21.583	30.	14.	22.265	4.719	14.6	17.	25.	28.5
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	12	56.	57.5	73.	42.	81.182	9.01	44.1	50.75	65.	71.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	6.5	7.167	24.	0.5	45.379	6.736	0.5	1.5	9.5	21.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	1.	2.5	8.	0.5	7.091	2.663	0.5	0.5	4.	7.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	3.5	4.875	17.	0.5	23.869	4.886	0.5	0.875	7.5	14.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.02	0.031	0.07	0.02	0.	0.02	0.02	0.02	0.043	0.07
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.017
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.17	0.163	0.3	0.07	0.005	0.069	0.076	0.103	0.215	0.279
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.4	0.375	0.7	0.2	0.018	0.136	0.2	0.3	0.4	0.64
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12 ##	0.05	0.063	0.1	0.005	0.001	0.03	0.019	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	11	0.02	0.027	0.09	0.005	0.001	0.027	0.005	0.005	0.04	0.084
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	11	4.6	4.782	6.5	3.3	1.056	1.027	3.34	4.2	5.9	6.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	11	32.	32.818	42.	22.	55.364	7.441	22.6	26.	40.	42.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	12	4.	4.333	6.	3.	1.152	1.073	3.	3.25	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	12	5.	5.333	7.	4.	1.152	1.073	4.	4.25	6.	7.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	10	300.	450.	1500.	50.	228333.333	477.842	50.	50.	800.	1430.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	10	2.477	2.351	3.176	1.699	0.356	0.597	1.699	1.699	2.903	3.149
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			224.416								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	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 1991 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	13	18.1	18.892	28.2	6.5	71.109	8.433	7.14	10.	27.7	28.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	8	80.5	83.75	99.	73.	97.071	9.852	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	9	9.9	9.8	12.1	7.6	2.742	1.656	7.6	8.15	11.25	12.1
00300p	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	6	9.65	9.967	13.2	7.3	5.943	2.438	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	10	1.5	1.8	3.	1.	0.844	0.919	1.	1.	3.	3.
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	10	17.	16.9	35.	1.	68.544	8.279	2.2	13.75	19.	33.4

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Annual Analysis for 1991 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	13	7.14	7.145	7.59	6.76	0.051	0.227	6.776	7.05	7.24	7.542
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	13	7.14	7.092	7.59	6.76	0.054	0.233	6.776	7.05	7.24	7.542
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	13	0.072	0.081	0.174	0.026	0.002	0.043	0.029	0.058	0.09	0.168
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	10	6.85	6.82	7.3	6.6	0.053	0.23	6.6	6.6	6.925	7.27
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	10	6.847	6.772	7.3	6.6	0.055	0.236	6.6	6.6	6.925	7.27
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	10	0.142	0.169	0.251	0.05	0.006	0.076	0.055	0.119	0.251	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	10	23.5	24.4	35.	11.	56.267	7.501	11.7	19.5	31.	34.9
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	9	78.	80.222	106.	72.	112.694	10.616	72.	72.5	83.	106.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	9	26.	24.889	34.	14.	35.361	5.947	14.	20.5	28.5	34.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	9	54.	55.333	80.	38.	158.25	12.58	38.	46.5	63.	80.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	4.	7.75	30.	1.5	85.125	9.226	1.5	2.25	10.5	28.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	10	1.25	1.95	5.	1.	2.081	1.442	1.	1.	2.875	4.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	10	3.25	6.35	26.	1.5	60.169	7.757	1.5	1.875	8.5	24.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.02	0.029	0.06	0.02	0.	0.014	0.02	0.02	0.04	0.057
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.017
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.15	0.173	0.45	0.02	0.014	0.119	0.02	0.093	0.238	0.39
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.4	0.408	0.5	0.3	0.004	0.067	0.3	0.4	0.475	0.5
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12 ##	0.05	0.071	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	7	0.03	0.031	0.09	0.01	0.001	0.027	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	10	4.95	5.12	6.9	2.9	1.546	1.243	3.01	4.3	6.5	6.86
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	9	28.	33.	56.	24.	118.	10.863	24.	25.5	39.	56.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	9	4.	4.	5.	3.	0.25	0.5	3.	4.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	9	5.	6.	9.	4.	3.75	1.936	4.	4.5	8.	9.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	13	300.	580.769	4800.	50.	1630224.359	1276.802	50.	75.	400.	3080.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	13	2.477	2.34	3.681	1.699	0.299	0.547	1.699	1.849	2.602	3.288
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			218.53								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	8	0.025	0.024	0.04	0.01	0.	0.011	**	**	**	**

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Annual Analysis for 1992 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	14.5	15.942	29.8	4.5	65.412	8.088	5.19	8.6	23.65	28.51
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	12	91.	91.083	100.	82.	38.992	6.244	82.9	86.	97.	100.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	12	10.7	10.275	13.2	6.7	4.22	2.054	7.	8.525	12.1	13.02
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	1.	1.083	2.	1.	0.083	0.289	1.	1.	1.	1.7
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	12	18.	17.333	24.	5.	34.061	5.836	6.8	12.75	22.75	24.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.055	7.093	7.77	6.6	0.124	0.352	6.651	6.81	7.418	7.704
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.055	6.985	7.77	6.6	0.136	0.369	6.651	6.81	7.417	7.704
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.088	0.104	0.251	0.017	0.005	0.068	0.02	0.041	0.156	0.227
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	12	7.25	7.325	8.	6.9	0.118	0.344	6.93	7.025	7.625	7.94
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	12	7.247	7.223	8.	6.9	0.13	0.36	6.93	7.025	7.625	7.94
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	12	0.057	0.06	0.126	0.01	0.001	0.036	0.012	0.025	0.095	0.118
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	12	29.5	27.583	38.	18.	40.629	6.374	18.9	21.25	33.25	36.8
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	12	83.5	83.	102.	66.	136.545	11.685	66.	71.5	91.5	100.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	12	25.5	26.25	42.	17.	40.932	6.398	18.5	22.	29.5	38.7
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	12	55.5	56.75	80.	38.	144.023	12.001	39.5	47.5	67.	76.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	4.	4.292	10.	1.5	7.384	2.717	1.65	2.	5.	9.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	1.25	1.25	3.	0.	0.886	0.941	0.	0.25	2.	2.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	3.	3.292	7.	1.5	3.475	1.864	1.65	2.	3.75	7.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.02	0.022	0.04	0.02	0.	0.006	0.02	0.02	0.02	0.034
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.009	0.017
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	12	0.15	0.153	0.26	0.07	0.003	0.057	0.076	0.105	0.203	0.248
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	12	0.4	0.425	0.7	0.3	0.013	0.114	0.3	0.325	0.5	0.64
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	12	0.045	0.062	0.1	0.02	0.001	0.035	0.023	0.03	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	12	5.15	5.033	7.5	3.4	1.377	1.173	3.52	3.975	5.7	7.02

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Annual Analysis for 1992 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	12	36.5	38.833	58.	28.	94.333	9.713	28.6	30.	47.25	55.6
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	10	4.5	4.4	5.	3.	0.489	0.699	3.1	4.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	10	5.	5.4	9.	3.	3.822	1.955	3.	3.75	6.5	8.9
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	50.	104.167	400.	50.	10662.879	103.261	50.	50.	100.	340.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	12 ##	1.699	1.9	2.602	1.699	0.088	0.296	1.699	1.699	2.	2.512
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			79.37								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	12	0.015	0.015	0.03	0.005	0.	0.008	0.005	0.01	0.02	0.027

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Annual Analysis for 1993 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	16.45	16.692	29.	4.5	86.49	9.3	4.74	6.6	25.825	28.85
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	12	84.	82.25	105.	59.	281.659	16.783	59.6	65.25	97.5	104.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	12	10.2	10.167	13.8	7.2	5.506	2.346	7.35	7.975	12.775	13.59
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	1.	1.292	3.	0.5	0.475	0.689	0.65	1.	1.75	2.7
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	12	18.5	18.833	30.	10.	32.152	5.67	10.3	14.75	22.75	28.2
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.97	6.947	7.46	6.12	0.136	0.369	6.246	6.785	7.165	7.451
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	6.966	6.777	7.46	6.12	0.168	0.41	6.246	6.785	7.165	7.451
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.108	0.167	0.759	0.035	0.039	0.199	0.035	0.068	0.165	0.618
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	12	6.85	6.892	7.3	6.1	0.106	0.326	6.28	6.725	7.175	7.27
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	12	6.847	6.751	7.3	6.1	0.128	0.358	6.28	6.725	7.175	7.27
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	12	0.142	0.177	0.794	0.05	0.041	0.202	0.054	0.067	0.189	0.616
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	12	24.5	23.917	42.	3.	130.447	11.421	5.4	15.	32.75	39.9
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	12	85.5	86.833	134.	69.	349.788	18.703	69.	70.	90.75	125.9
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	12	26.5	27.25	49.	8.	151.477	12.308	10.7	17.	39.5	46.6
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	12	55.5	59.583	93.	32.	284.629	16.871	34.7	49.75	72.25	88.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	4.5	9.708	61.	1.5	276.657	16.633	1.5	1.5	11.	46.3
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12	1.5	2.875	14.	1.	13.006	3.606	1.	1.5	2.75	11.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	3.	8.375	47.	1.5	173.688	13.179	1.5	1.5	8.25	38.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.04	0.05	0.1	0.02	0.001	0.031	0.02	0.02	0.08	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.01	0.015	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.036
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.16	0.185	0.41	0.06	0.011	0.104	0.06	0.13	0.23	0.39
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	11	0.5	0.509	0.8	0.3	0.019	0.138	0.32	0.4	0.6	0.76
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.05	0.059	0.13	0.01	0.001	0.036	0.014	0.03	0.09	0.124
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	12	6.05	6.792	11.5	3.3	6.081	2.466	3.6	5.3	8.65	11.23
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	12	29.	31.25	50.	22.	73.659	8.582	22.6	24.5	36.5	48.2
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	12	4.	3.65	5.	0.8	1.252	1.119	1.46	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	12	4.5	5.083	8.	3.	2.811	1.676	3.	4.	6.75	7.7
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	100.	372.727	2100.	50.	375181.818	612.521	50.	50.	500.	1820.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	11	2.	2.194	3.322	1.699	0.313	0.559	1.699	1.699	2.699	3.227
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			156.488								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	11	0.02	0.035	0.09	0.01	0.001	0.026	0.01	0.01	0.06	0.084

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

Annual Analysis for 1994 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	16.45	15.308	27.8	2.3	80.163	8.953	2.42	6.775	22.35	27.59
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	11	80.	77.182	90.	54.	129.964	11.4	54.6	78.	84.	89.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	12	9.85	10.308	14.4	7.5	5.803	2.409	7.56	8.025	12.35	14.25
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	11	1.9	2.082	5.	0.5	1.386	1.177	0.62	1.5	2.6	4.6

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Annual Analysis for 1994 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	11	16.	17.	28.	9.	30.8	5.55	9.4	13.	21.	27.
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.04	6.972	7.34	6.51	0.092	0.303	6.516	6.728	7.28	7.34
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.04	6.875	7.34	6.51	0.102	0.32	6.516	6.727	7.28	7.34
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.091	0.133	0.309	0.046	0.009	0.094	0.046	0.053	0.187	0.305
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	11	6.7	6.7	7.1	6.4	0.044	0.21	6.42	6.5	6.8	7.06
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	11	6.7	6.656	7.1	6.4	0.046	0.215	6.42	6.5	6.8	7.06
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	11	0.2	0.221	0.398	0.079	0.01	0.1	0.089	0.158	0.316	0.382
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	11	27.	23.909	33.	10.	53.291	7.3	10.6	18.	28.	32.4
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	11	75.	78.545	102.	59.	165.673	12.871	60.8	71.	82.	101.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	11	27.	23.545	47.	3.	146.273	12.094	4.8	15.	31.	44.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	11	55.	55.	73.	36.	146.8	12.116	37.4	44.	65.	72.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	6.	9.273	38.	1.5	116.168	10.778	1.5	3.	10.	34.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	11	1.5	2.5	8.	1.	4.05	2.012	1.1	1.5	3.	7.2
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	11	4.	7.	30.	1.5	74.5	8.631	1.5	1.5	8.	27.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	11 ##	0.02	0.033	0.06	0.02	0.	0.018	0.02	0.02	0.06	0.06
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.01	0.015	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.038
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.1	0.144	0.37	0.05	0.011	0.103	0.052	0.07	0.21	0.352
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	11	0.5	0.482	0.6	0.4	0.008	0.087	0.4	0.4	0.6	0.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.04	0.045	0.1	0.02	0.001	0.025	0.02	0.03	0.06	0.096
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	11	5.5	5.745	8.7	3.9	1.769	1.33	4.	4.7	6.6	8.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	11	26.	24.909	32.	17.	23.091	4.805	17.	23.	28.	31.8
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	11	4.	4.455	6.	3.	1.073	1.036	3.	4.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	11	5.	5.364	10.	3.	3.655	1.912	3.2	4.	6.	9.4
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	6 ##	75.	125.	400.	50.	18750.	136.931	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	6 ##	1.849	1.95	2.602	1.699	0.124	0.352	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			89.09								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	11	0.03	0.025	0.06	0.005	0.	0.017	0.005	0.01	0.04	0.056

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Annual Analysis for 1995 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	12	14.85	15.55	28.4	2.	85.739	9.26	3.14	6.075	24.475	27.71
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	8	90.5	93.	107.	80.	108.	10.392	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	12	89.	88.5	105.	76.	82.273	9.07	76.9	79.5	95.75	102.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	12	9.5	9.85	13.6	6.4	6.334	2.517	6.58	7.55	12.525	13.33
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	12	1.6	1.517	2.9	0.5	0.607	0.779	0.5	0.625	2.	2.72
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	12	18.5	18.333	29.	10.	34.424	5.867	10.6	13.25	23.	28.1
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.035	7.052	7.5	6.72	0.046	0.214	6.75	6.89	7.195	7.431
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	12	7.034	7.007	7.5	6.72	0.048	0.219	6.75	6.89	7.195	7.431
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	12	0.092	0.098	0.191	0.032	0.002	0.045	0.038	0.064	0.129	0.179
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	12	6.8	6.808	7.2	6.3	0.072	0.268	6.39	6.6	7.	7.2
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	12	6.8	6.732	7.2	6.3	0.078	0.279	6.39	6.6	7.	7.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	12	0.158	0.185	0.501	0.063	0.015	0.122	0.063	0.1	0.251	0.426
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	12	25.5	25.583	34.	19.	25.174	5.017	19.	20.75	30.25	33.1
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	12	86.	79.083	94.	40.	235.902	15.359	46.9	69.5	87.75	92.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	12	27.5	25.458	34.	2.5	76.157	8.727	7.45	20.75	31.75	33.4
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	12	54.5	53.833	68.	40.	63.061	7.941	41.2	47.25	57.	66.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	5.	6.292	19.	1.5	22.839	4.779	1.95	3.	7.75	16.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	12 ##	1.5	1.708	4.	1.5	0.521	0.722	1.5	1.5	1.5	3.25
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	12	4.	4.75	15.	1.5	15.023	3.876	1.5	1.5	6.	12.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	11 ##	0.02	0.039	0.11	0.02	0.001	0.028	0.02	0.02	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.01	0.01	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	11	0.2	0.203	0.47	0.05	0.012	0.111	0.056	0.13	0.25	0.426
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	11	0.3	0.391	0.6	0.2	0.019	0.138	0.22	0.3	0.5	0.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	11	0.06	0.048	0.07	0.01	0.	0.02	0.012	0.03	0.06	0.07

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Annual Analysis for 1995 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	12	8.	7.067	10.2	3.9	4.661	2.159	4.02	5.05	8.775	9.93
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	12	29.	29.167	40.	22.	28.333	5.323	22.6	25.	30.	39.4
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	12	5.	4.917	6.	4.	0.811	0.9	4.	4.	6.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	12	5.5	5.333	8.	3.	2.424	1.557	3.3	4.	6.75	7.7
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	11	0.03	0.03	0.05	0.005	0.	0.014	0.006	0.02	0.04	0.048

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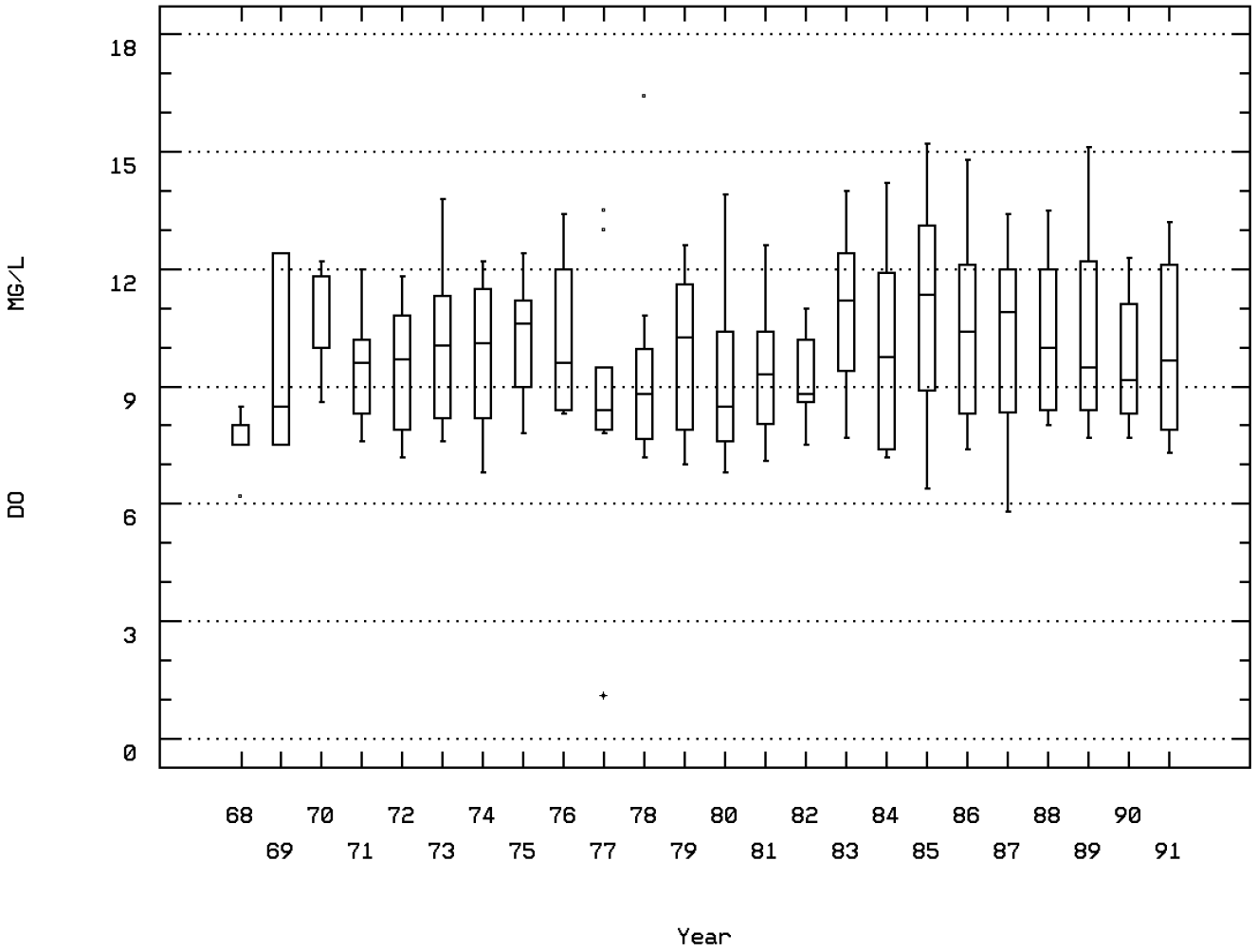
Annual Analysis for 1996 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	8	14.95	15.4	26.1	3.8	69.857	8.358	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	8	84.	86.375	115.	64.	245.411	15.666	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	7	83.	82.286	104.	64.	195.571	13.985	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	8	9.6	10.113	12.9	7.6	5.218	2.284	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	7	1.	1.286	2.	0.5	0.488	0.699	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	7	17.	17.714	22.	14.	7.571	2.752	**	**	**	**
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	8	6.84	6.786	7.27	6.05	0.177	0.42	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	8	6.791	6.597	7.27	6.05	0.217	0.466	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	8	0.162	0.253	0.891	0.054	0.078	0.279	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	7	7.	6.986	7.4	6.6	0.075	0.273	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	7	7.	6.914	7.4	6.6	0.081	0.284	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	7	0.1	0.122	0.251	0.04	0.006	0.076	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	7	26.	23.714	35.	14.	66.905	8.18	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	7	85.	80.571	91.	60.	134.952	11.617	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	7	28.	27.	32.	21.	21.667	4.655	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	7	53.	53.571	67.	30.	157.619	12.555	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	7	8.	9.929	23.	1.5	70.036	8.369	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	7 ##	1.5	2.214	4.	1.5	1.488	1.22	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	7	6.	7.857	19.	1.5	48.393	6.956	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	6 ##	0.03	0.033	0.05	0.02	0.	0.015	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	6	0.015	0.018	0.04	0.005	0.	0.013	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	6	0.185	0.605	2.8	0.1	1.16	1.077	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	6	0.45	0.433	0.5	0.3	0.007	0.082	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	6	0.04	0.048	0.09	0.02	0.001	0.024	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	7	6.1	5.9	8.	3.	4.46	2.112	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	7	32.	30.571	43.	18.	83.952	9.163	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	7 ##	2.5	3.571	6.	2.5	2.119	1.456	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	7 ##	2.5	4.429	7.	2.5	5.786	2.405	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	6	0.04	0.04	0.06	0.02	0.	0.018	**	**	**	**

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

Station: PETE0080 Parameter Code: 00300

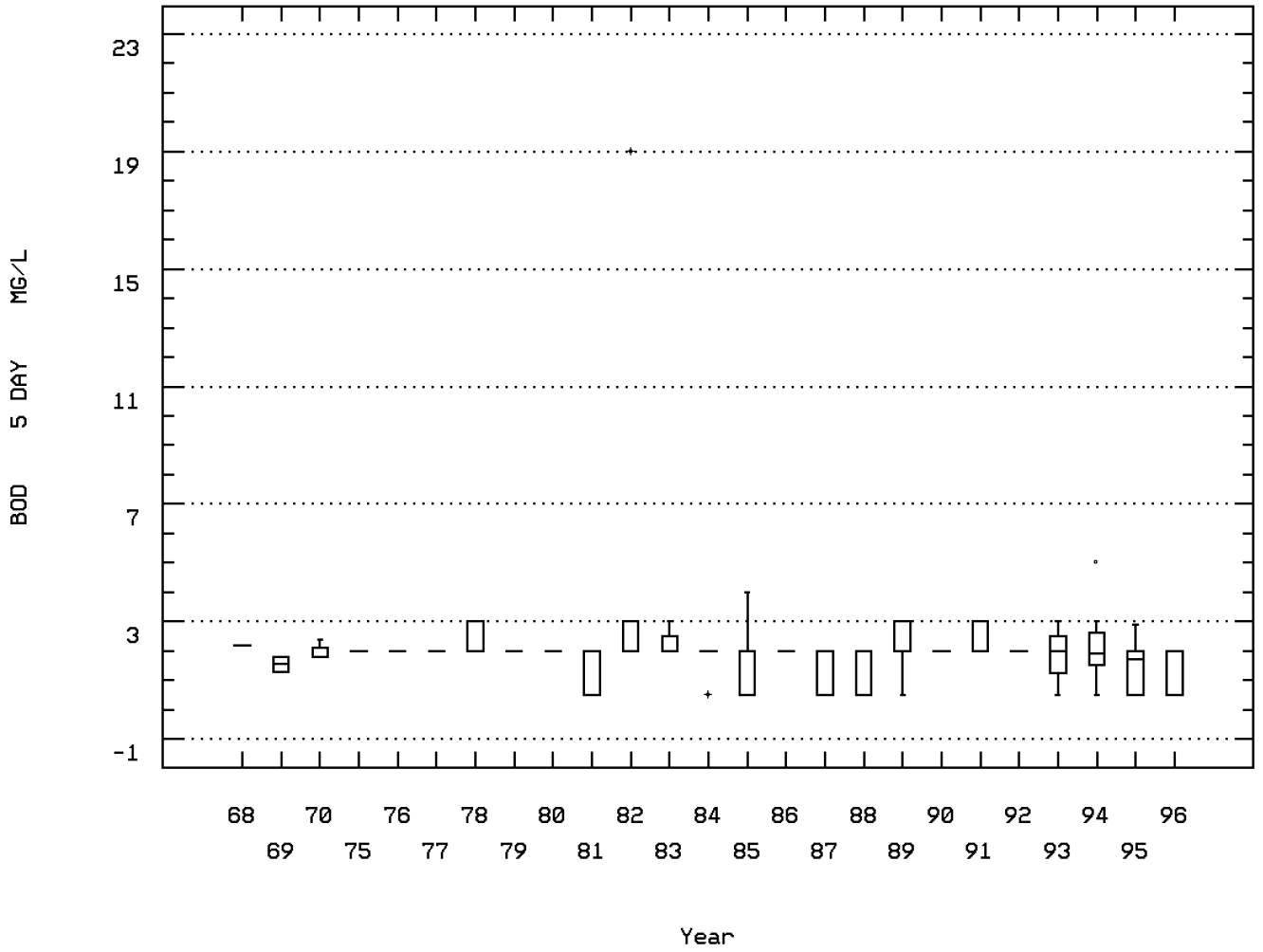
OXYGEN, DISSOLVED



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00310

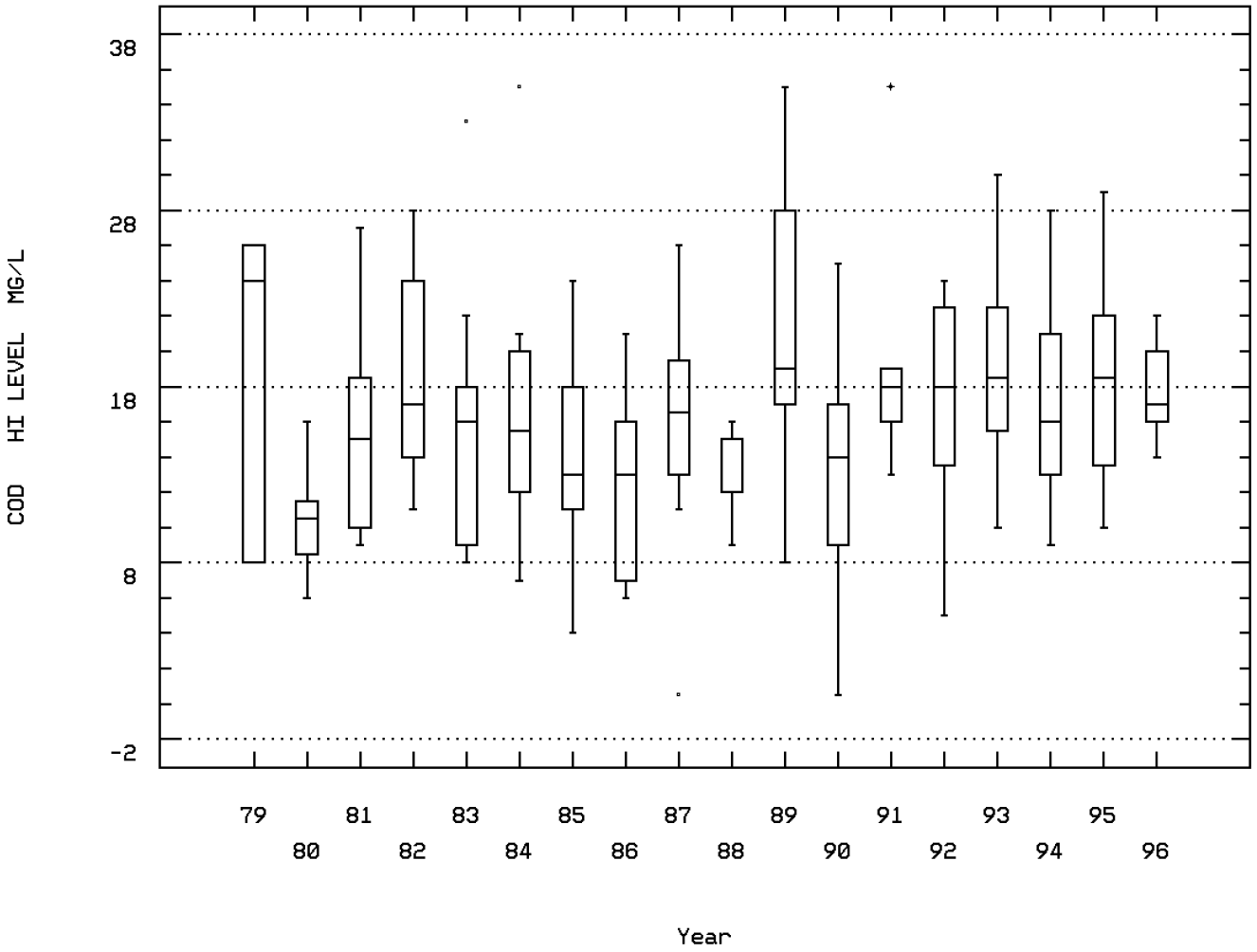
BOD, 5 DAY, 20 DEG C



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00340

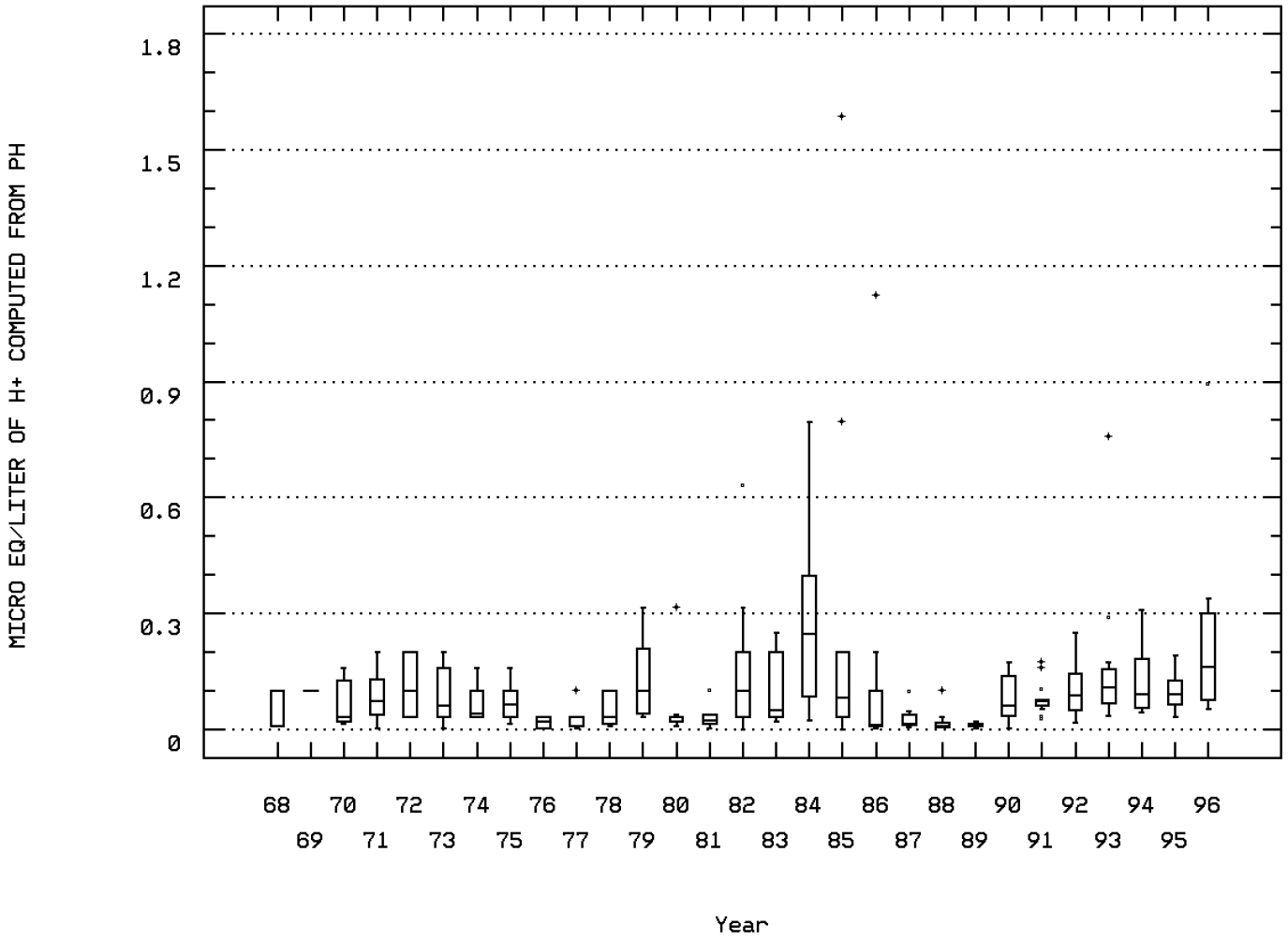
COD, .25N K2CR2O7



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00400

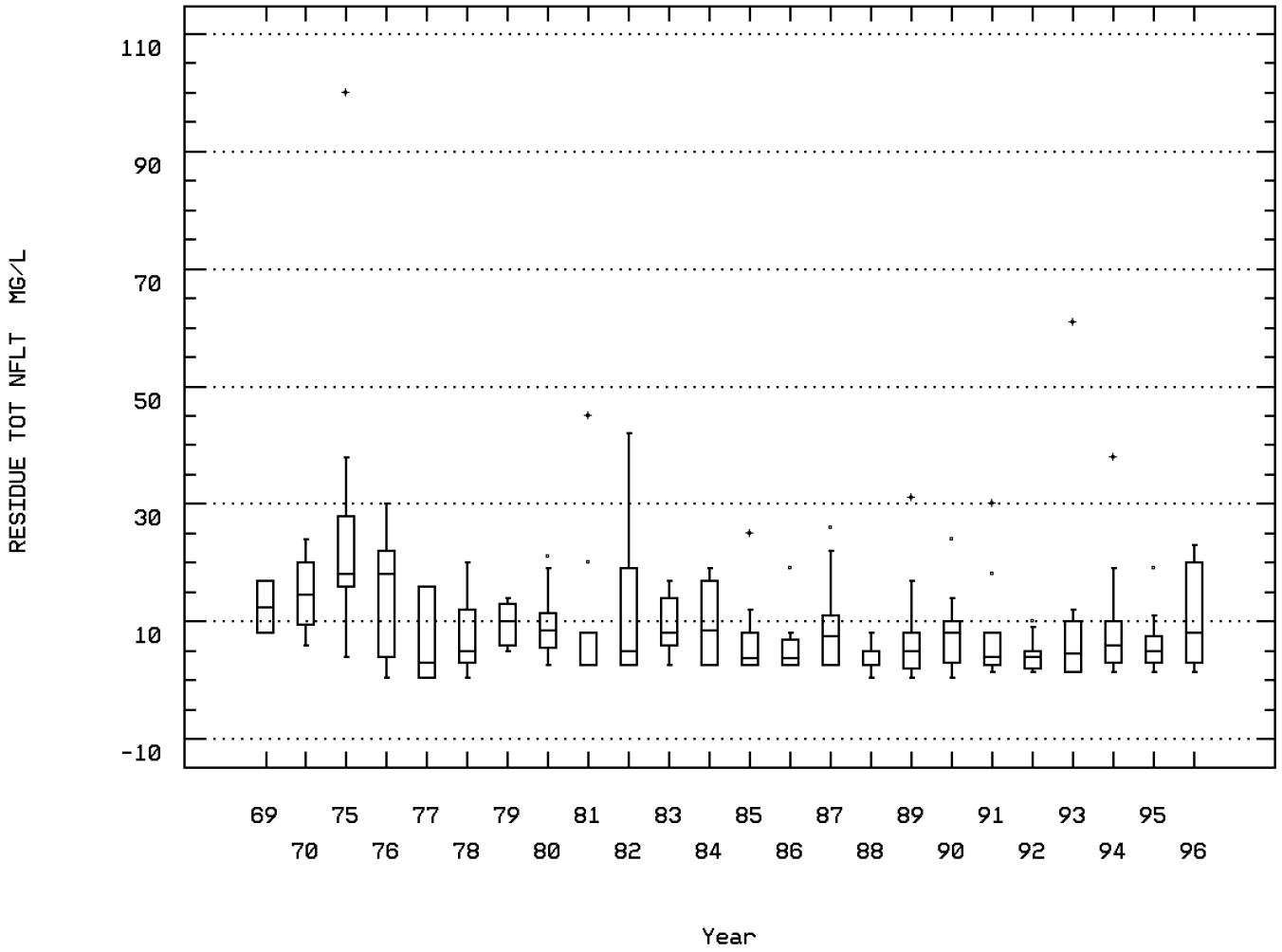
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00530

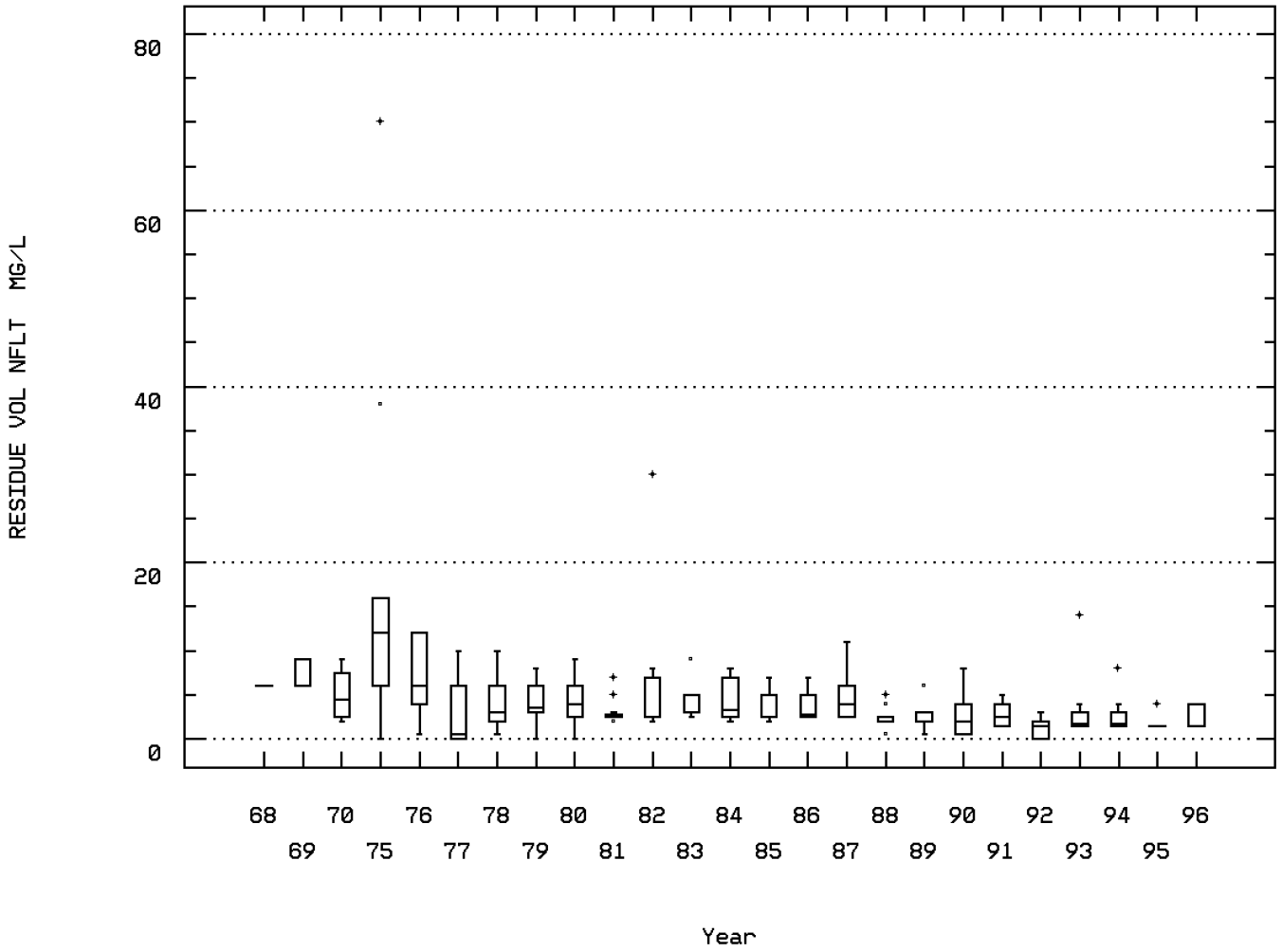
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00535

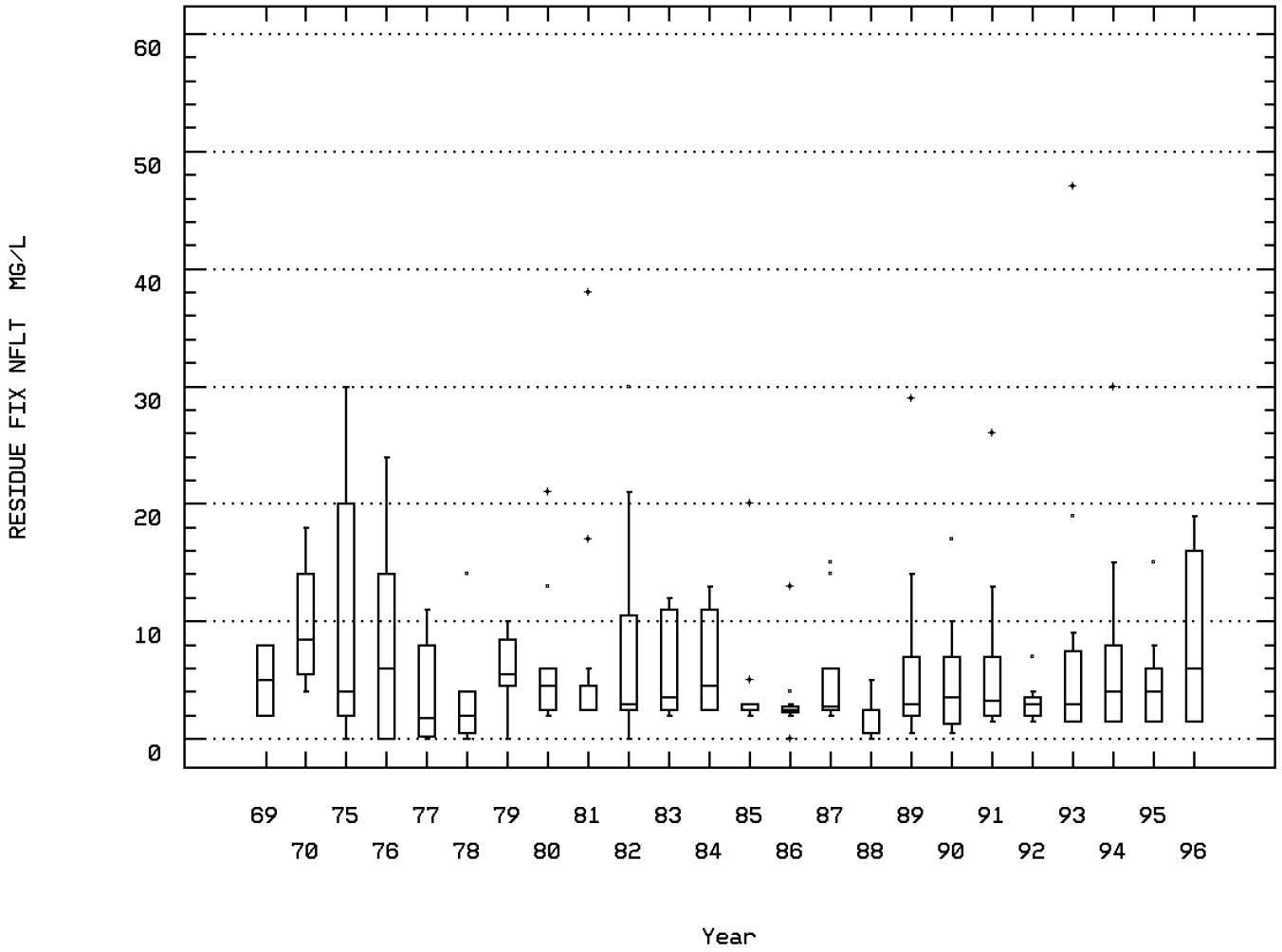
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00540

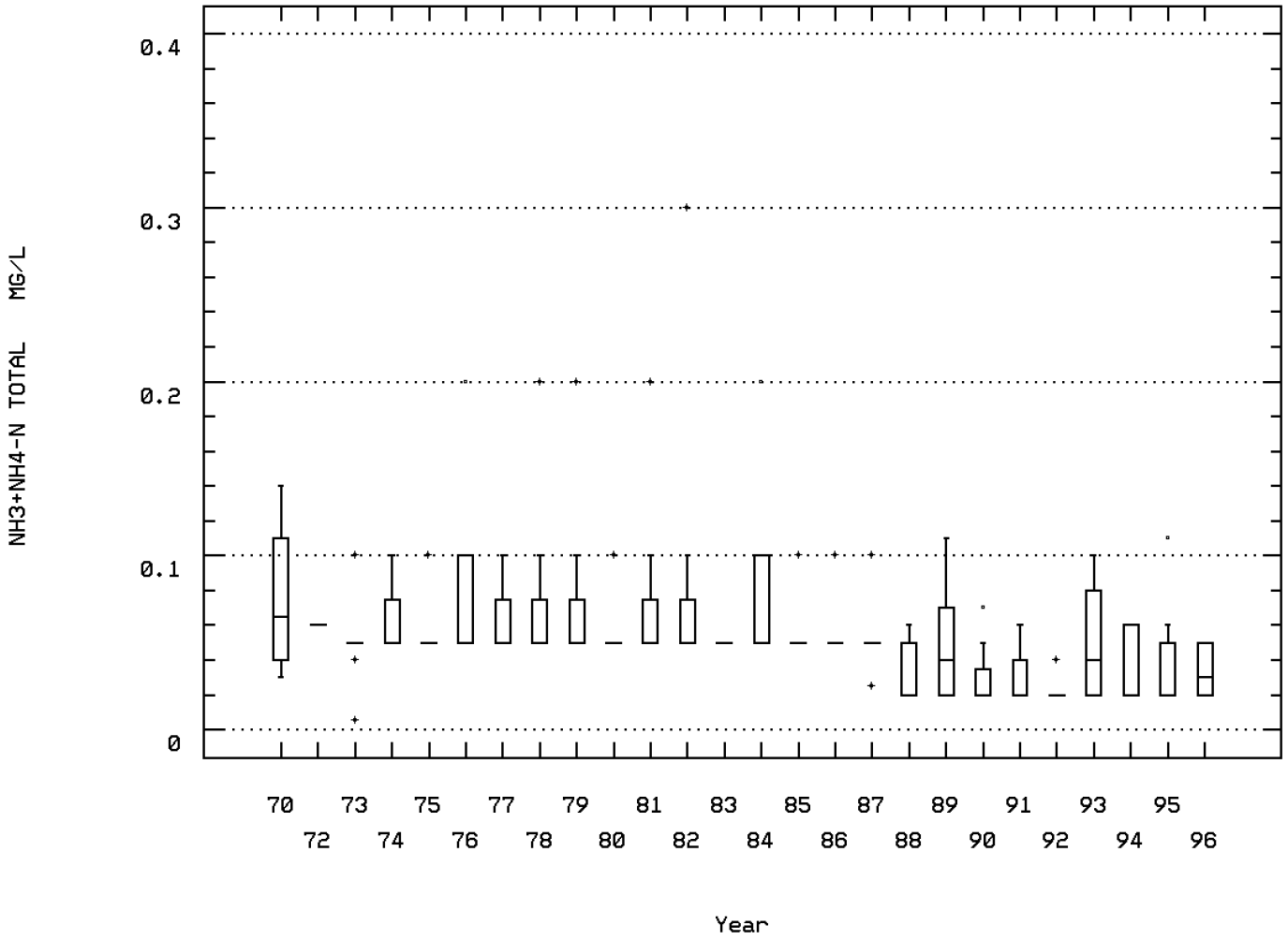
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00610

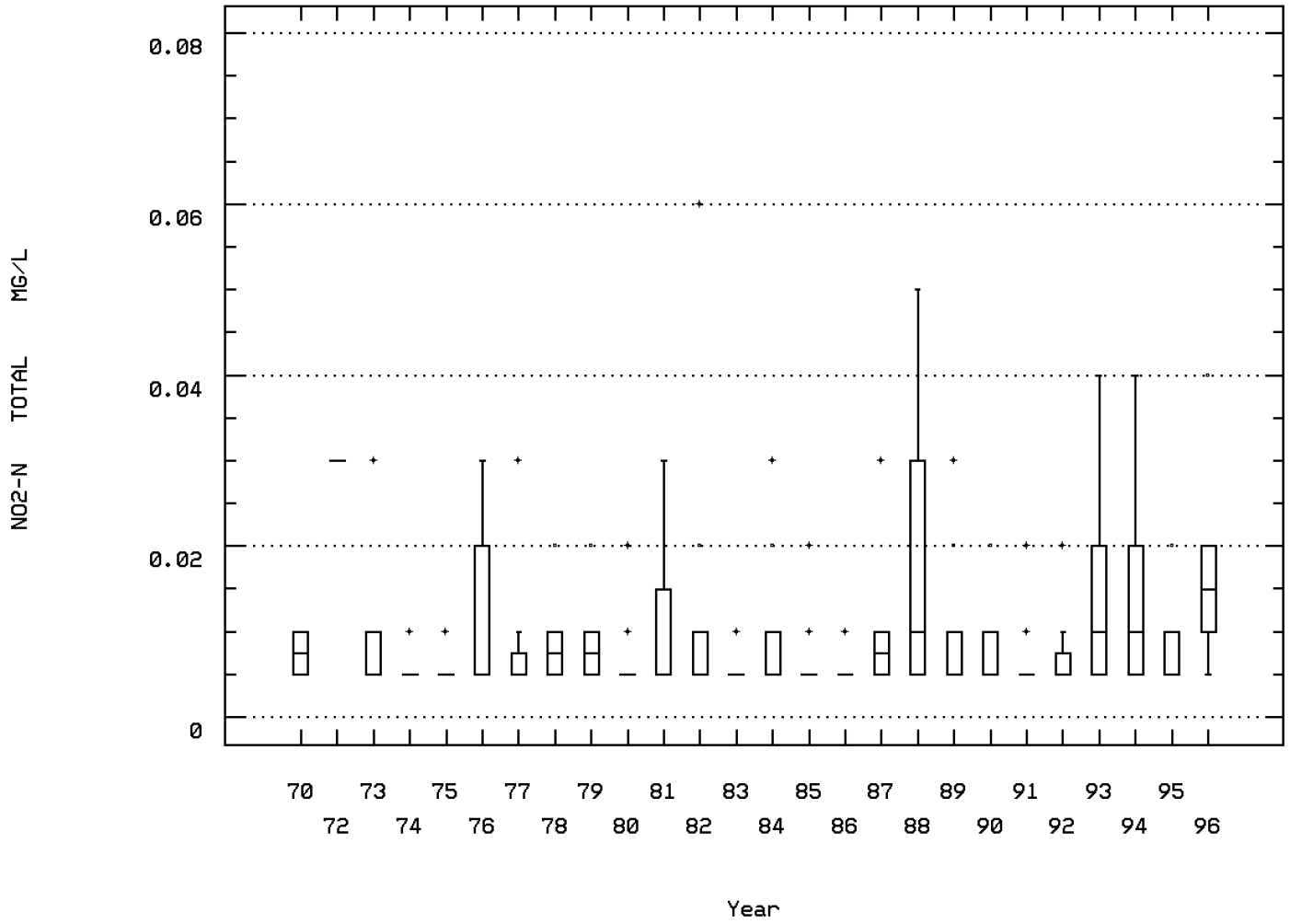
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00615

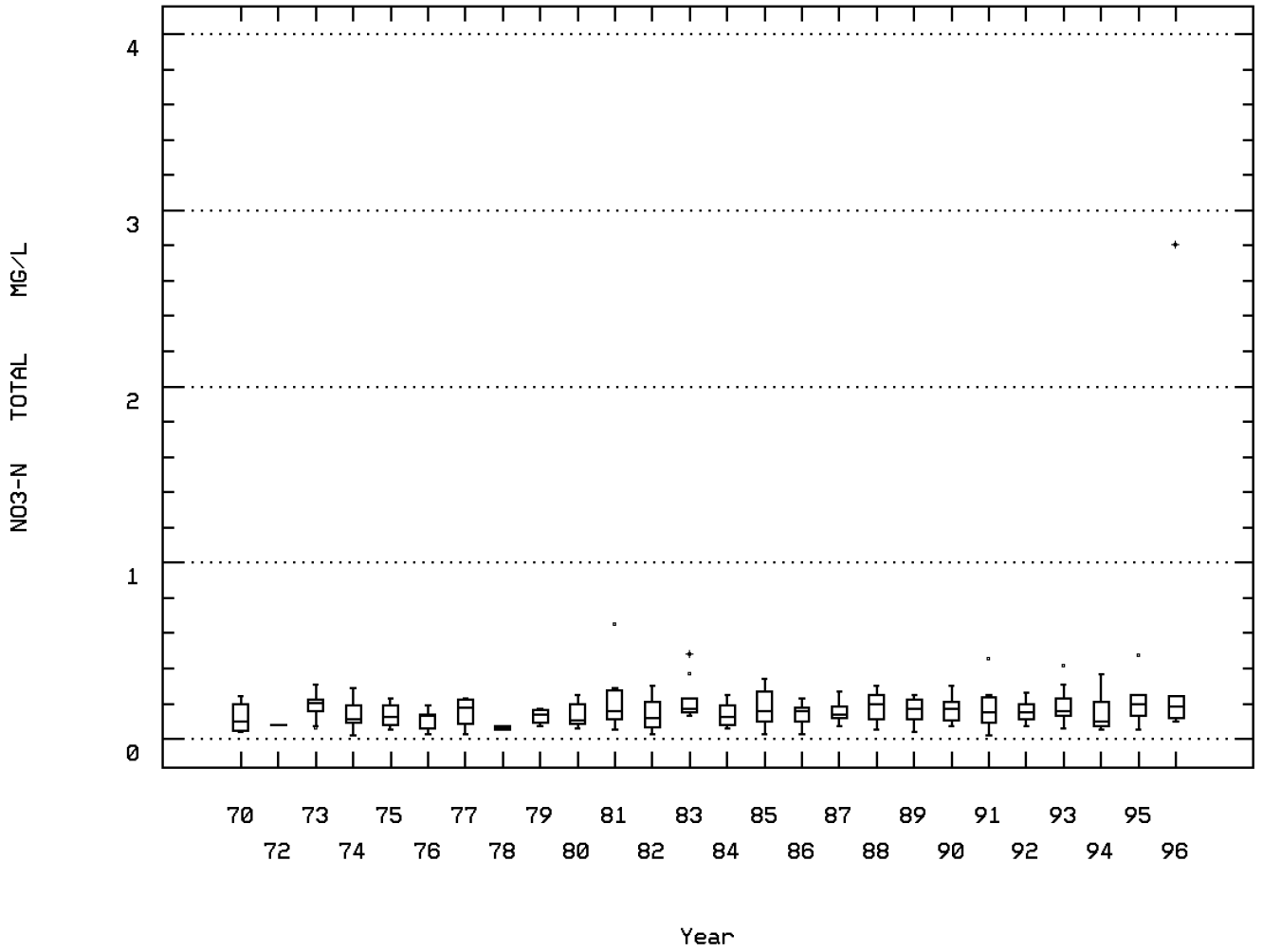
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00620

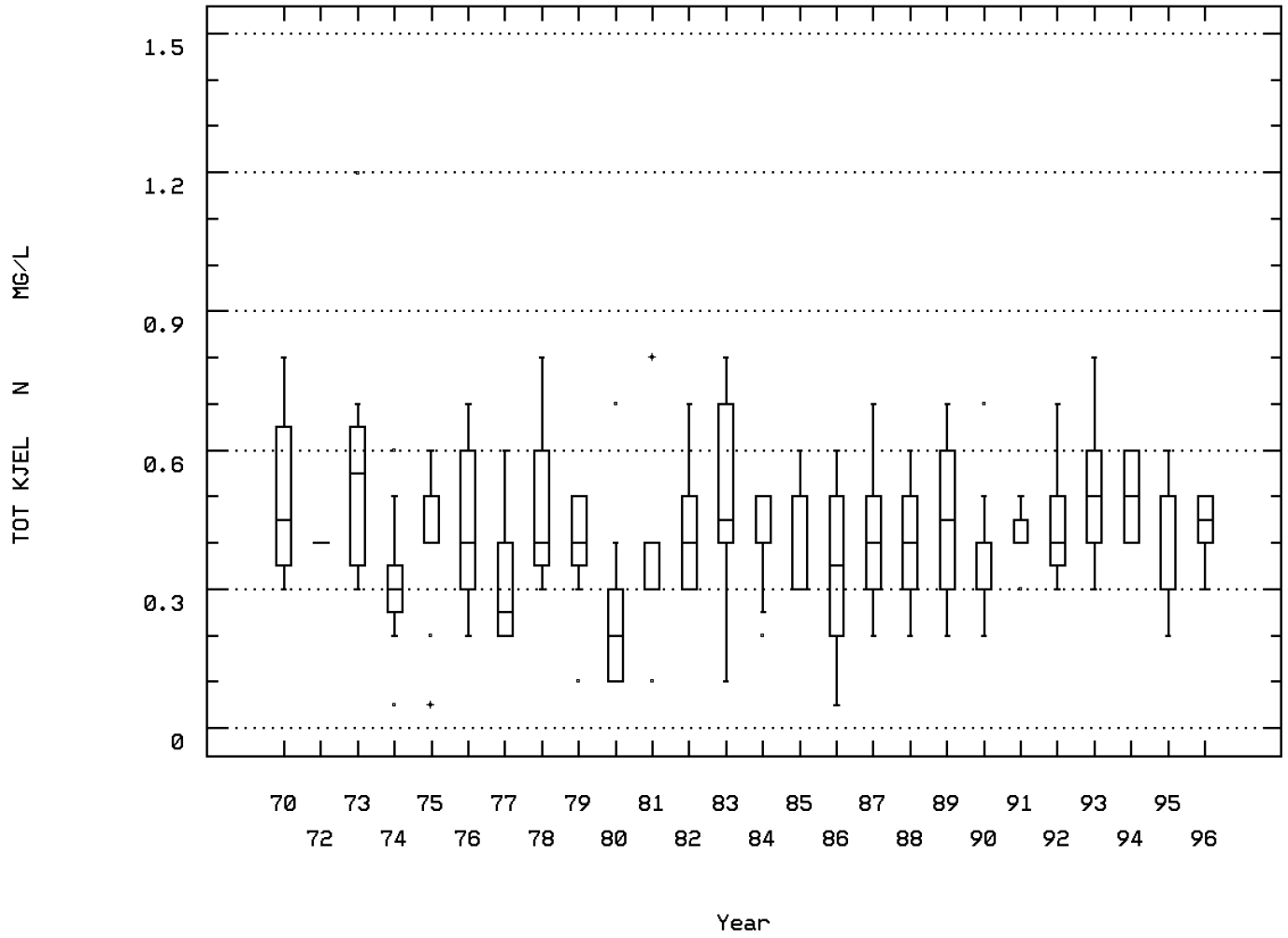
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00625

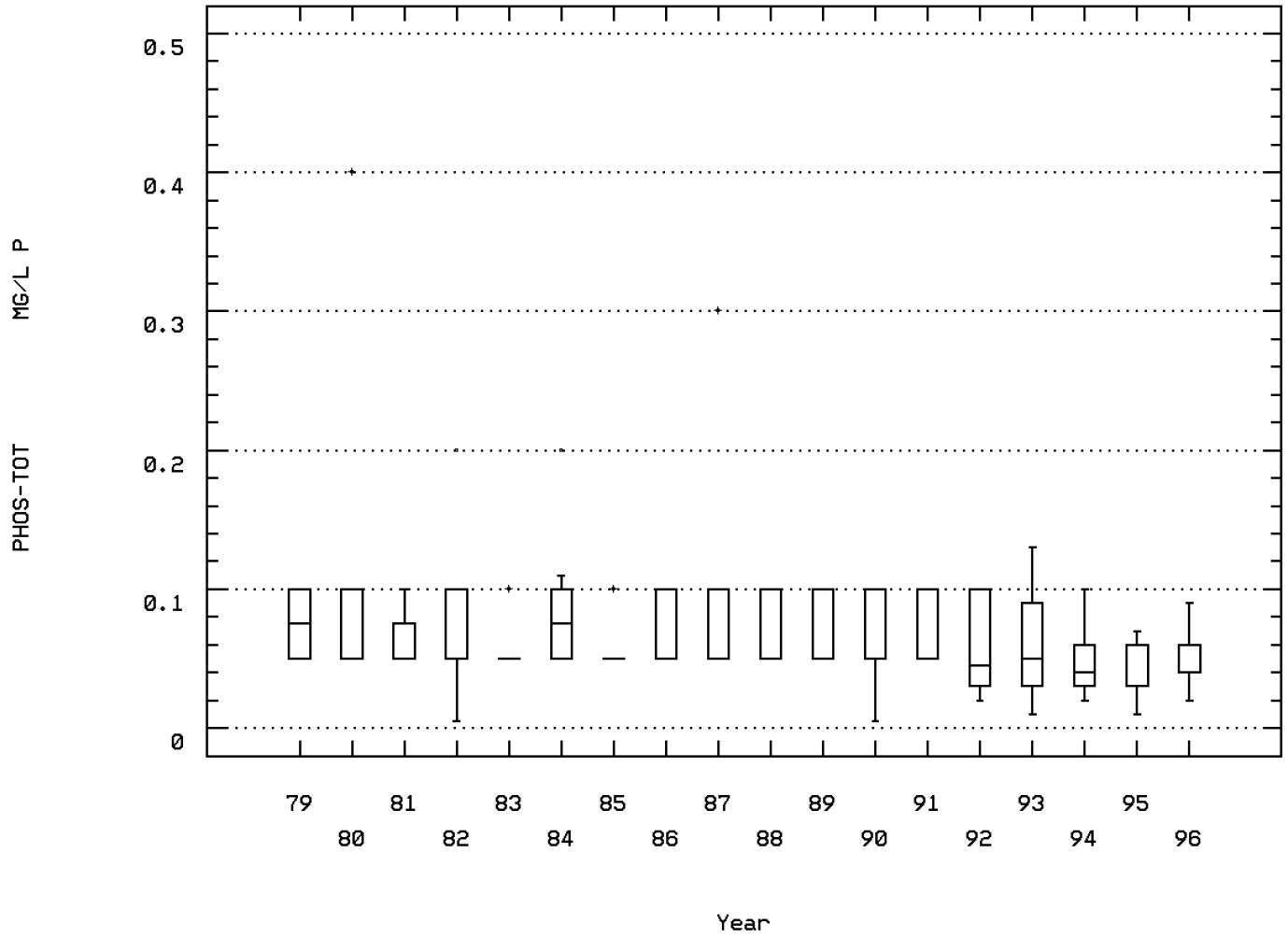
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00665

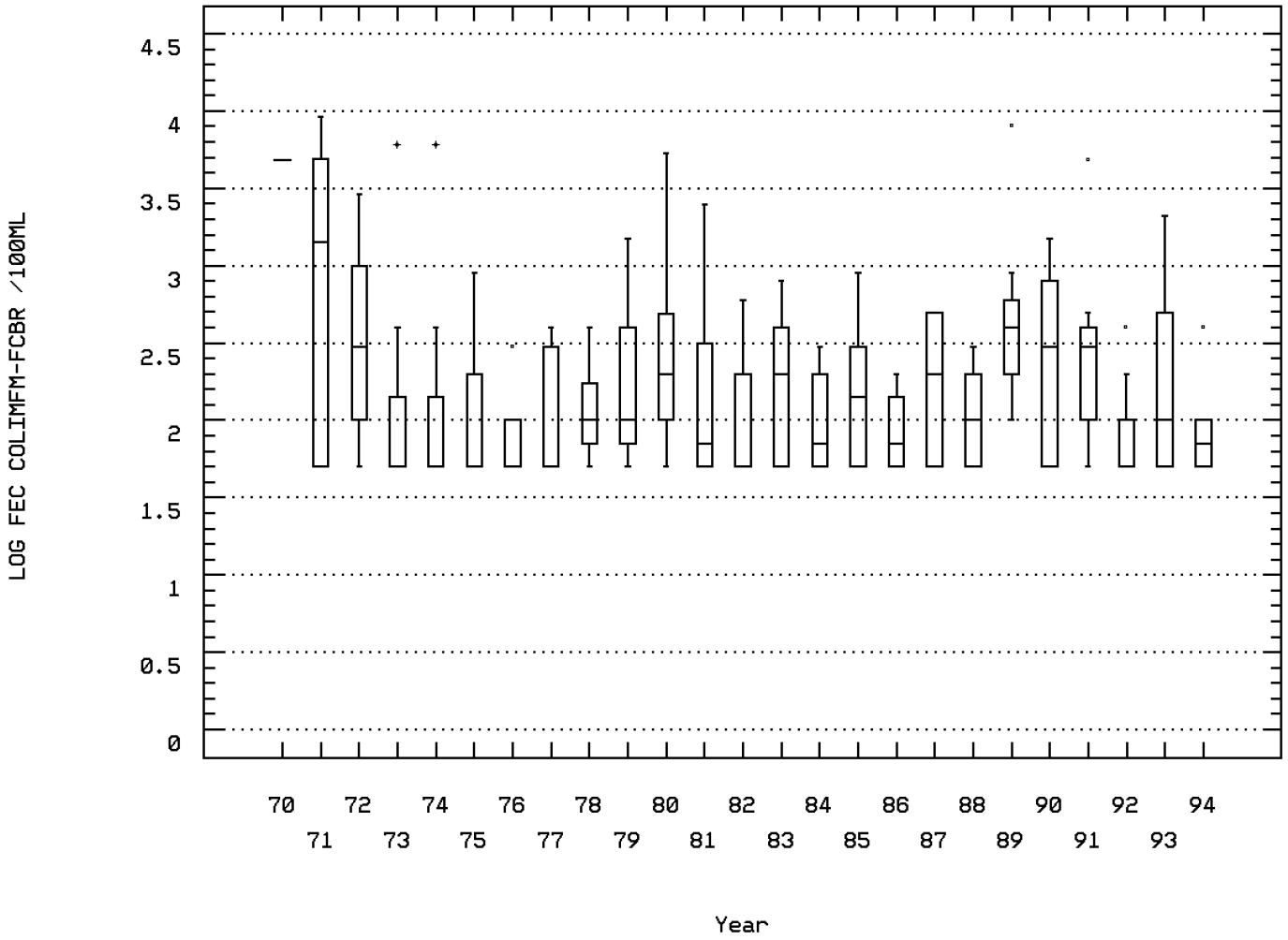
PHOSPHORUS, TOTAL (MG/L AS P)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



RT. 36 BRIDGE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	80	26.3	25.57	31.	14.5	10.285	3.207	21.17	24.175	27.8	29.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	8	4.9	6.813	19.	2.	29.067	5.391	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	36	86.5	88.583	116.	70.	140.079	11.835	72.	80.25	96.75	105.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	24	89.	88.167	105.	61.	113.449	10.651	74.5	81.5	95.5	104.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	20	7.7	7.85	10.2	6.4	0.692	0.832	6.73	7.425	8.3	9.03
00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	60	8.	8.188	14.	6.4	1.214	1.102	7.2	7.525	8.5	9.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	64	1.	1.539	19.	0.5	5.19	2.278	0.75	1.	2.	2.
00340	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	53	16.	16.057	35.	6.	27.324	5.227	11.	12.	19.	22.8
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	79	7.4	7.408	8.5	5.95	0.206	0.454	6.86	7.14	7.77	8.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	79	7.4	7.151	8.5	5.95	0.273	0.523	6.86	7.14	7.77	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	79	0.04	0.071	1.122	0.003	0.017	0.132	0.01	0.017	0.072	0.138
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	27	7.	6.993	7.7	6.3	0.087	0.295	6.6	6.8	7.2	7.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	27	7.	6.895	7.7	6.3	0.097	0.311	6.6	6.8	7.2	7.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	27	0.1	0.127	0.501	0.02	0.01	0.098	0.04	0.063	0.158	0.251
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	27	30.	29.407	42.	18.	33.02	5.746	21.4	25.	34.	35.6
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	27	84.	83.593	133.	57.	213.251	14.603	66.2	74.	88.	102.
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	27	28.	28.963	74.	12.	177.037	13.306	16.4	21.	32.	49.2
00510p	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	27	55.	55.741	80.	23.	121.738	11.033	40.	53.	61.	69.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	64	2.75	5.117	28.	0.5	27.784	5.271	1.5	2.	6.	12.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	64 ##	2.	2.742	12.	0.	6.762	2.6	0.5	1.5	2.5	6.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	64	2.5	3.242	24.	0.	12.302	3.507	0.75	1.5	3.75	6.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	66 ##	0.05	0.044	0.1	0.02	0.	0.018	0.02	0.02	0.05	0.053
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	67 ##	0.005	0.008	0.04	0.005	0.	0.007	0.005	0.005	0.01	0.012
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	63	0.16	0.19	0.65	0.04	0.015	0.122	0.06	0.1	0.25	0.37
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	66	0.4	0.432	0.8	0.1	0.02	0.142	0.27	0.3	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	51	0.05	0.064	0.3	0.005	0.002	0.048	0.022	0.04	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	34	0.02	0.025	0.09	0.005	0.	0.02	0.01	0.01	0.03	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	61	6.5	7.125	21.	3.	8.673	2.945	4.2	5.45	8.05	10.16
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	24	32.	34.958	58.	24.	83.259	9.125	25.	28.25	41.5	50.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	24	4.	3.917	6.	2.	0.841	0.917	2.5	4.	4.	5.5
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	24	4.	3.667	5.	2.5	0.471	0.686	2.75	3.	4.	4.5
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/28/71-04/19/93	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/24/70-04/19/93	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/24/70-04/19/93	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/29/70-04/19/93	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/24/70-04/19/93	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	68	100.	533.824	8000.	50.	1934435.909	1390.84	50.	50.	400.	810.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	68	2.	2.2	3.903	1.699	0.322	0.568	1.699	1.699	2.602	2.908
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			158.577								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/24/70-06/12/79	15 ##	0.05	0.06	0.1	0.05	0.	0.021	0.05	0.05	0.05	0.1
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	33	0.03	0.028	0.05	0.005	0.	0.017	0.005	0.01	0.045	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	04/28/71-04/19/93	4 ##	0.2	0.2	0.25	0.15	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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	116	7.5	8.456	21.2	0.2	23.365	4.834	2.67	5.	11.9	15.86
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	14	11.	21.657	70.	3.5	476.443	21.828	4.15	6.425	33.5	65.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	50	83.	82.18	107.	50.	173.865	13.186	64.	73.75	92.25	98.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	30	87.5	84.333	100.	57.	141.816	11.909	64.5	75.5	94.	98.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	30	12.45	12.137	14.4	8.9	1.589	1.261	10.51	11.2	13.1	13.58
00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	87	11.2	11.315	16.4	1.1	4.359	2.088	9.38	10.	12.6	13.82
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	88	2.	1.628	5.	0.5	0.587	0.766	1.	1.	2.	2.91
00340	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	75	15.	15.893	35.	0.5	52.955	7.277	7.6	10.	22.	26.

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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	114	7.	7.118	8.42	5.8	0.223	0.472	6.6	6.768	7.5	7.785
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	114	7.	6.883	8.42	5.8	0.279	0.528	6.6	6.767	7.5	7.785
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	114	0.1	0.131	1.585	0.004	0.035	0.187	0.016	0.032	0.171	0.251
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	37	6.8	6.897	8.	6.1	0.141	0.375	6.5	6.65	7.1	7.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	37	6.8	6.766	8.	6.1	0.158	0.398	6.5	6.65	7.1	7.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	37	0.158	0.171	0.794	0.01	0.019	0.14	0.05	0.082	0.225	0.316
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	37	22.	23.216	40.	3.	64.896	8.056	13.4	18.	30.	33.2
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	40	86.5	86.475	134.	13.	373.23	19.319	69.	78.25	94.	106.9
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	40	25.5	26.6	47.	3.	69.477	8.335	17.2	22.	29.75	41.
00510p	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	38	61.5	61.895	93.	43.	144.313	12.013	48.8	51.	68.75	78.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	88	7.5	10.966	61.	0.5	120.729	10.988	2.	2.5	17.	25.3
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	89	2.5	4.101	38.	0.	27.558	5.25	0.5	1.5	5.	7.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	88	4.	7.545	47.	0.	67.848	8.237	0.95	2.5	11.75	19.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	101 ##	0.05	0.056	0.2	0.005	0.001	0.035	0.02	0.04	0.06	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	102 ##	0.005	0.01	0.04	0.005	0.	0.007	0.005	0.005	0.01	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	95	0.17	0.194	2.8	0.02	0.077	0.278	0.08	0.12	0.22	0.25
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	102	0.4	0.37	0.8	0.05	0.02	0.14	0.2	0.3	0.5	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	78	0.05	0.066	0.13	0.01	0.001	0.026	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	55	0.03	0.031	0.11	0.005	0.	0.022	0.01	0.02	0.04	0.06
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	82	6.	6.662	16.	2.	6.312	2.512	3.93	4.875	8.	10.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	32	28.	29.094	48.	17.	54.991	7.416	22.	24.	30.	40.8
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	35	5.	5.08	9.	0.8	2.189	1.479	3.6	4.	6.	6.8
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	33	6.	6.606	10.	4.	1.934	1.391	5.	6.	7.	9.
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	7 ##	5.	4.5	5.	1.5	1.75	1.323	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/28/71-04/19/93	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/24/70-04/19/93	13 ##	5.	5.769	10.	5.	3.526	1.878	5.	5.	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	03/24/70-04/19/93	13 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01051	LEAD, TOTAL (UG/L AS PB)	06/29/70-04/19/93	13 ##	5.	13.769	60.	5.	377.192	19.421	5.	5.	10.	57.6
01092	ZINC, TOTAL (UG/L AS ZN)	03/24/70-04/19/93	13 ##	5.	10.923	50.	5.	157.744	12.56	5.	5.	11.	38.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	99	100.	617.677	9200.	50.	2447362.915	1564.405	50.	50.	400.	1500.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	99	2.	2.204	3.964	1.699	0.364	0.603	1.699	1.699	2.602	3.176
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			160.002								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/24/70-06/12/79	24 ##	0.05	0.063	0.1	0.05	0.	0.022	0.05	0.05	0.088	0.1
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	49	0.03	0.033	0.09	0.005	0.	0.021	0.005	0.015	0.05	0.06
71900	MERCURY, TOTAL (UG/L AS HG)	04/28/71-04/19/93	12 ##	0.2	0.2	0.25	0.15	0.003	0.052	0.15	0.15	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 box-and-whisker plot

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/68-08/13/96	101	18.	17.231	27.8	2.1	36.577	6.048	9.62	12.1	21.8	25.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/13/80-01/02/92	12	10.85	12.492	24.	3.6	58.903	7.675	3.72	4.725	20.85	23.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/79-08/13/96	44	79.5	80.045	144.	35.	376.649	19.407	56.	69.5	90.5	104.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-08/13/96	24	80.	80.292	105.	54.	147.346	12.139	61.5	74.25	87.5	96.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/17/90-08/13/96	19	9.2	9.795	13.8	7.9	2.533	1.591	8.	8.4	10.9	12.2
00300	OXYGEN, DISSOLVED MG/L	06/28/68-07/17/91	82	9.05	9.493	13.1	5.8	2.533	1.592	7.6	8.275	10.825	11.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/24/68-08/13/96	81	1.	1.486	4.	0.5	0.451	0.672	1.	1.	2.	2.
00340	COD, .25N K2CR2O7 MG/L	10/17/79-08/13/96	62	16.	16.048	35.	1.	41.358	6.431	9.	11.	19.	25.1
00400p	PH (STANDARD UNITS)	06/28/68-08/13/96	98	7.5	7.408	9.	6.05	0.409	0.639	6.69	6.998	7.77	8.283
00400p	CONVERTED PH (STANDARD UNITS)	06/28/68-08/13/96	98	7.5	6.995	9.	6.05	0.581	0.762	6.69	6.998	7.77	8.283
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/68-08/13/96	98	0.032	0.101	0.891	0.001	0.029	0.17	0.005	0.017	0.101	0.205
00403p	PH, LAB, STANDARD UNITS SU	10/24/68-08/13/96	34	6.9	6.815	7.5	3.1	0.501	0.708	6.55	6.775	7.1	7.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/24/68-08/13/96	34	6.9	4.629	7.5	3.1	5.423	2.329	6.55	6.775	7.1	7.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-08/13/96	34	0.126	23.501	794.328	0.032	18550.931	136.202	0.05	0.079	0.169	0.284
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/68-08/13/96	34	22.	23.265	35.	11.	29.473	5.429	17.	19.75	28.	30.5
00500p	RESIDUE, TOTAL (MG/L)	10/24/68-08/13/96	33	76.	79.758	129.	40.	280.627	16.752	64.2	71.	87.5	101.4

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

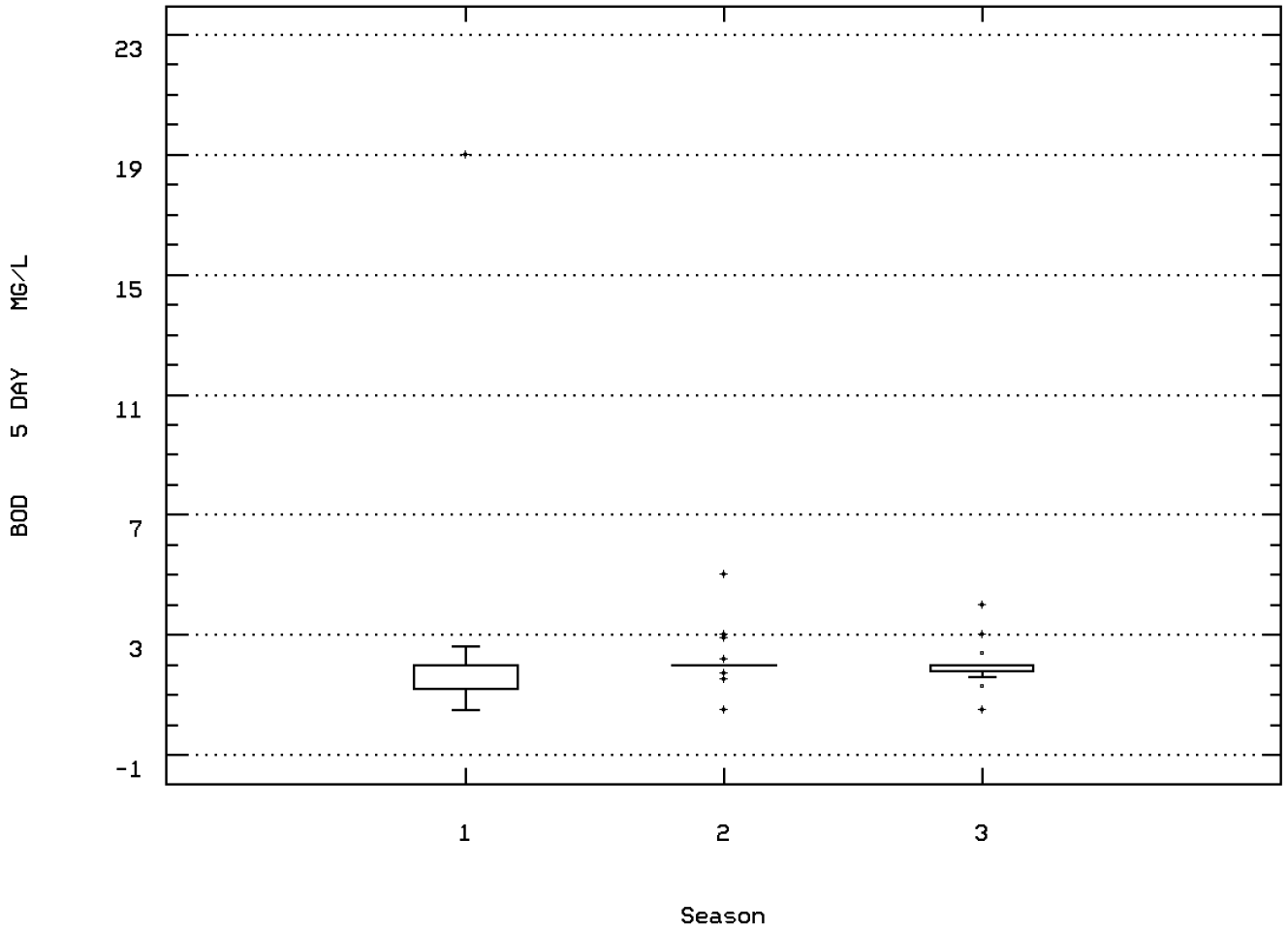
Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/24/68-08/13/96	33	28.	27.985	76.	2.5	180.101	13.42	14.4	19.5	31.	45.2
00510p	RESIDUE, TOTAL FIXED (MG/L)	04/28/69-08/13/96	33	50.	51.848	74.	30.	121.508	11.023	38.	43.5	57.5	68.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/28/69-08/13/96	82	7.	10.201	100.	0.5	164.45	12.824	2.5	4.	12.	19.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/24/68-08/13/96	82	3.	4.744	70.	0.	62.446	7.902	1.	1.875	6.	8.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/28/69-08/13/96	82	3.	5.805	38.	0.	45.949	6.779	0.5	2.	6.25	13.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/70-08/13/96	88 ##	0.05	0.058	0.3	0.02	0.002	0.046	0.02	0.023	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	88 ##	0.005	0.01	0.06	0.005	0.	0.01	0.005	0.005	0.01	0.021
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/24/70-08/13/96	85	0.12	0.132	0.31	0.025	0.005	0.07	0.05	0.07	0.18	0.23
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/70-08/13/96	86	0.4	0.445	1.199	0.05	0.037	0.191	0.27	0.3	0.5	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/13/96	59	0.05	0.072	0.4	0.02	0.003	0.053	0.04	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-07/17/91	45	0.02	0.031	0.18	0.005	0.001	0.031	0.008	0.01	0.04	0.054
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/11/75-08/13/96	74	7.	7.145	14.	2.9	6.476	2.545	3.4	5.35	8.475	10.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/89-08/13/96	28	27.	29.321	56.	17.	69.263	8.322	22.	24.	32.	43.3
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/88-08/13/96	26	4.	3.885	6.	2.5	0.806	0.898	2.85	3.	4.25	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/27/89-08/13/96	26	5.	5.385	9.	2.5	2.226	1.492	3.55	4.75	6.	7.3
01002	ARSENIC, TOTAL (UG/L AS AS)	04/28/71-04/19/93	10 ##	1.75	2.4	5.	0.5	3.711	1.926	0.5	0.875	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/28/71-04/19/93	10 ##	5.	4.65	10.	0.5	6.669	2.583	0.55	4.	5.	9.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/24/70-04/19/93	17 ##	5.	5.618	10.	0.5	5.548	2.355	4.1	5.	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	03/24/70-04/19/93	16 ##	5.	7.5	20.	5.	26.667	5.164	5.	5.	8.75	20.
01051	LEAD, TOTAL (UG/L AS PB)	06/29/70-04/19/93	12 ##	5.	5.583	20.	0.5	30.856	5.555	0.65	1.125	8.75	17.
01092	ZINC, TOTAL (UG/L AS ZN)	03/24/70-04/19/93	17	10.	22.118	150.	5.	1174.36	34.269	5.	5.	20.	62.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	85	100.	410.588	8000.	50.	1012267.507	1006.115	50.	50.	300.	900.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/15/70-07/06/94	85	2.	2.171	3.903	1.699	0.286	0.535	1.699	1.699	2.477	2.954
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			148.124								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/24/70-06/12/79	27 ##	0.05	0.06	0.2	0.025	0.001	0.033	0.05	0.05	0.05	0.1
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/70-08/13/96	43	0.03	0.03	0.06	0.005	0.	0.018	0.005	0.01	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	04/28/71-04/19/93	13 ##	0.25	0.204	0.25	0.15	0.003	0.052	0.15	0.15	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 box-and-whisker plot

Station: PETE0080 Parameter Code: 00310

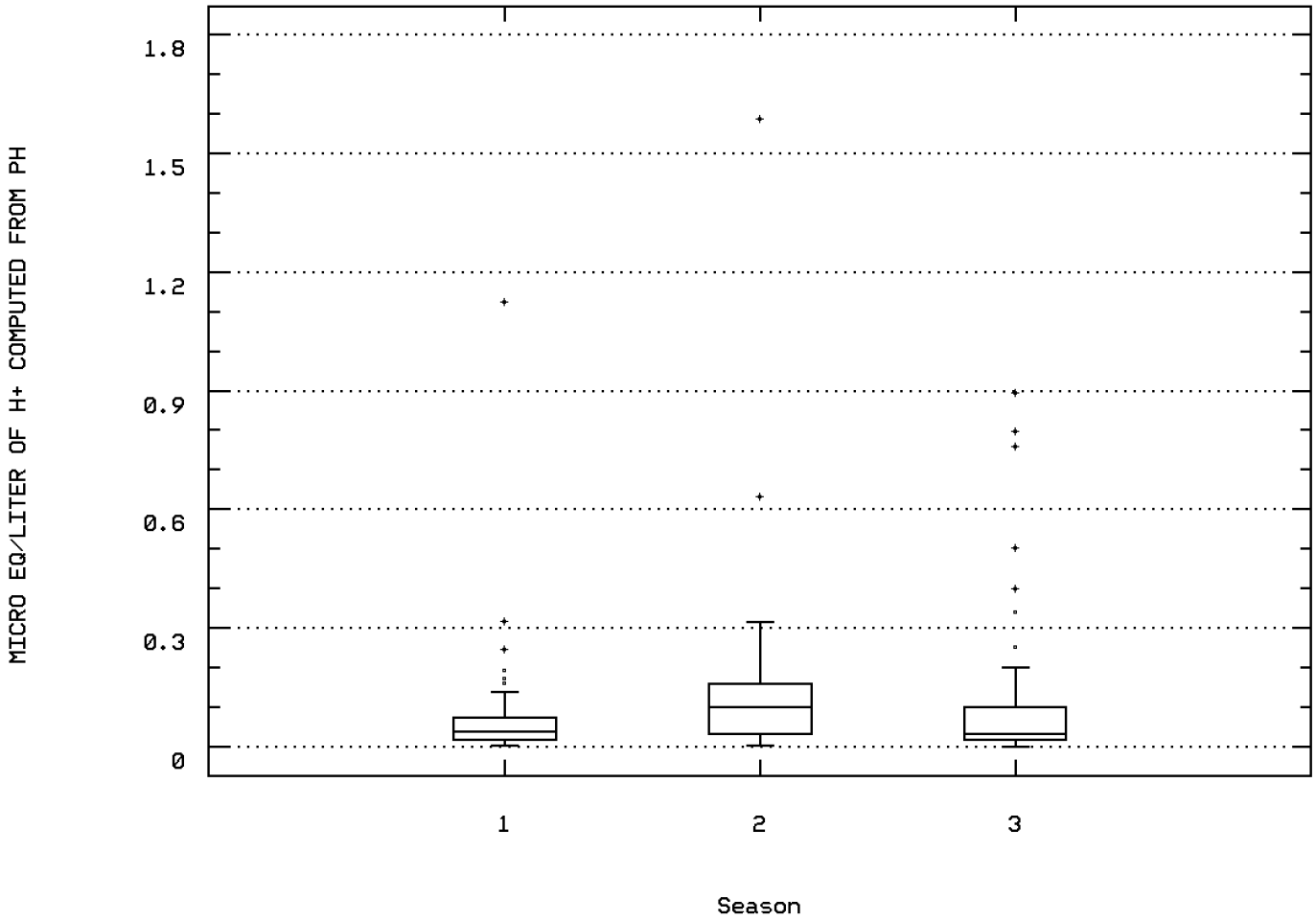
BOD, 5 DAY, 20 DEG C



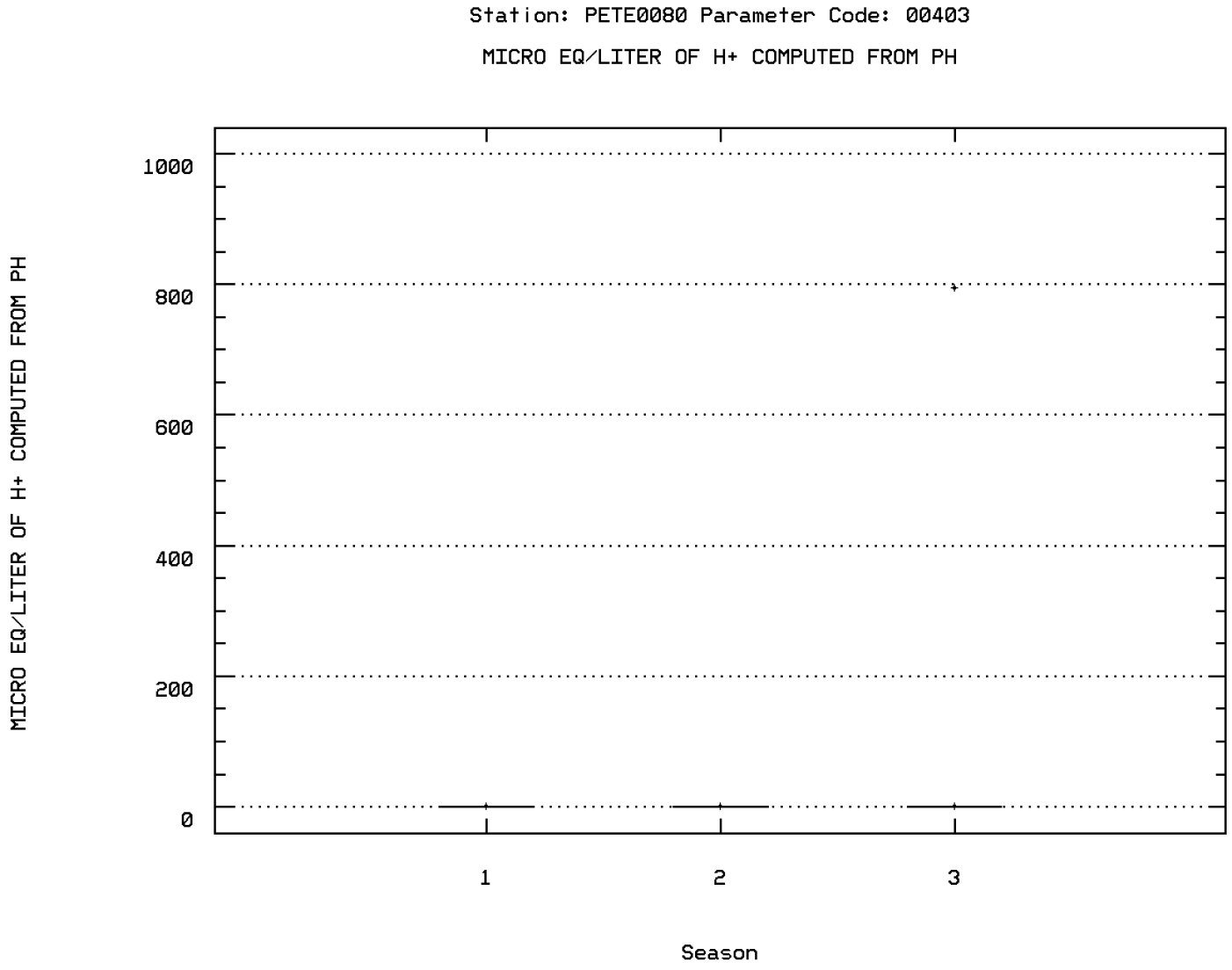
RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



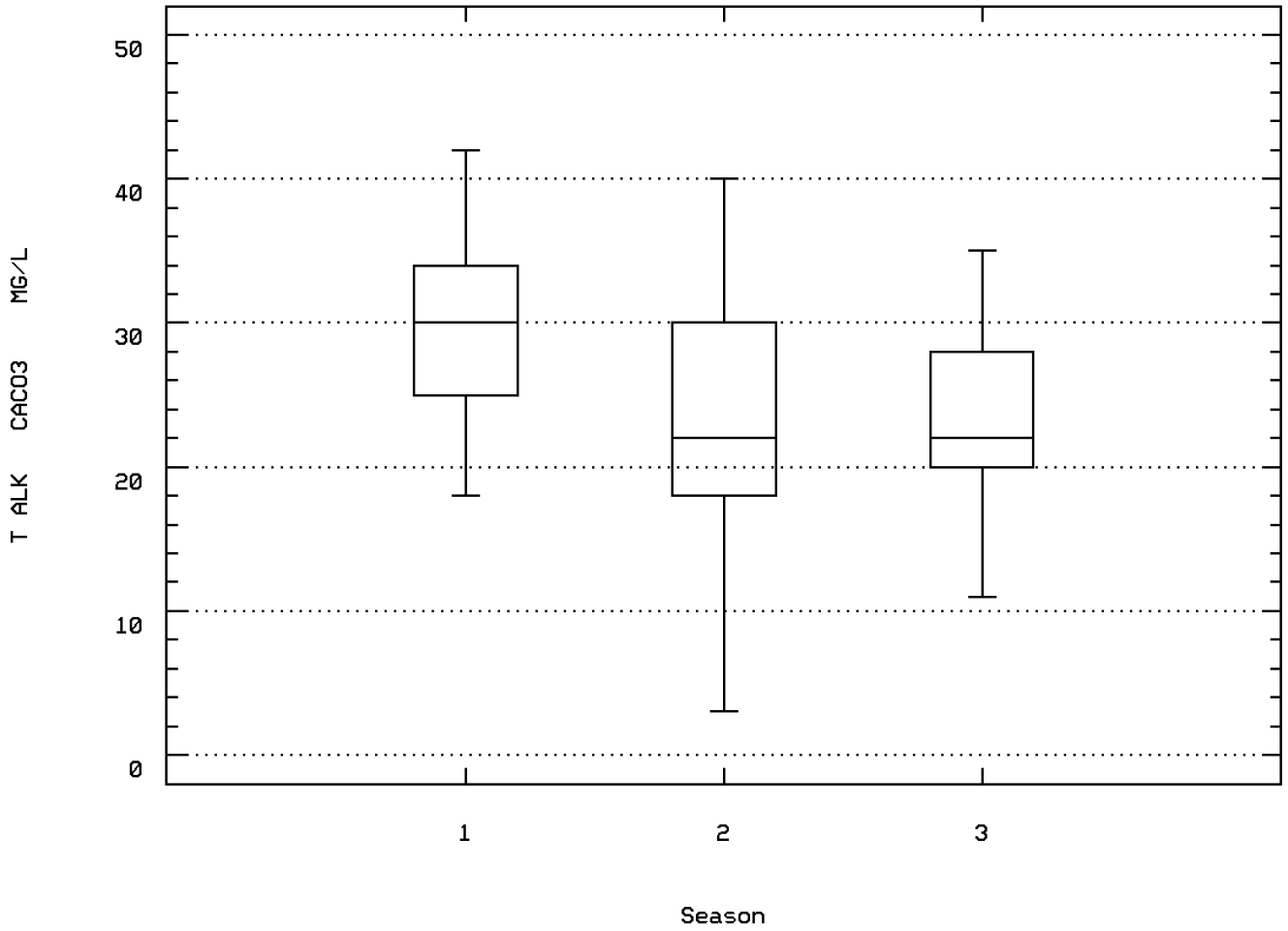
RT. 36 BRIDGE


Station: PETE0080 Parameter Code: 00403
MICRO EQ/LITER OF H+ COMPUTED FROM PH
MICRO EQ/LITER OF H+ COMPUTED FROM PH
1000
800
600
400
200
0
1
2
3
Season

RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00410

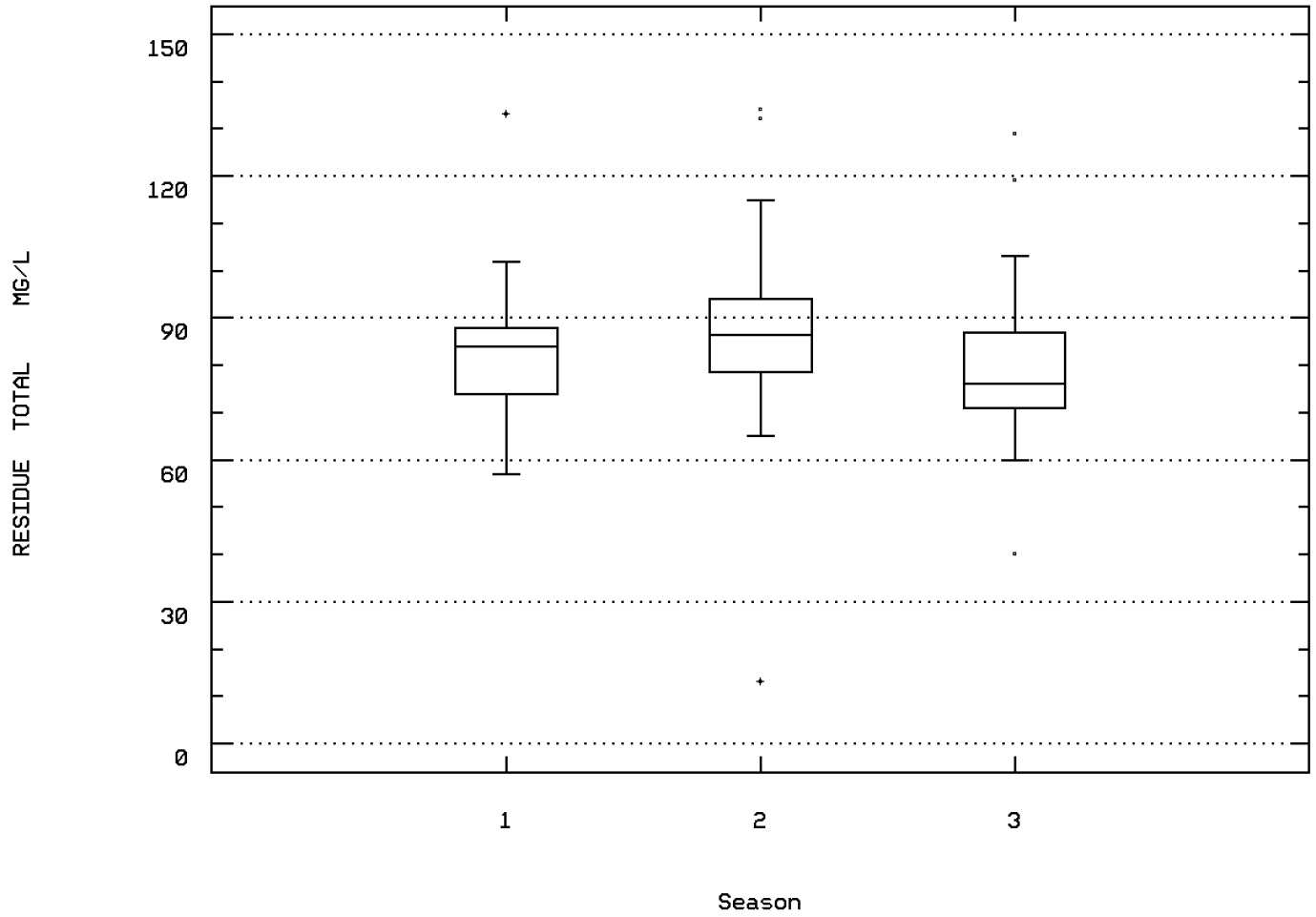
ALKALINITY, TOTAL (MG/L AS CACO3)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00500

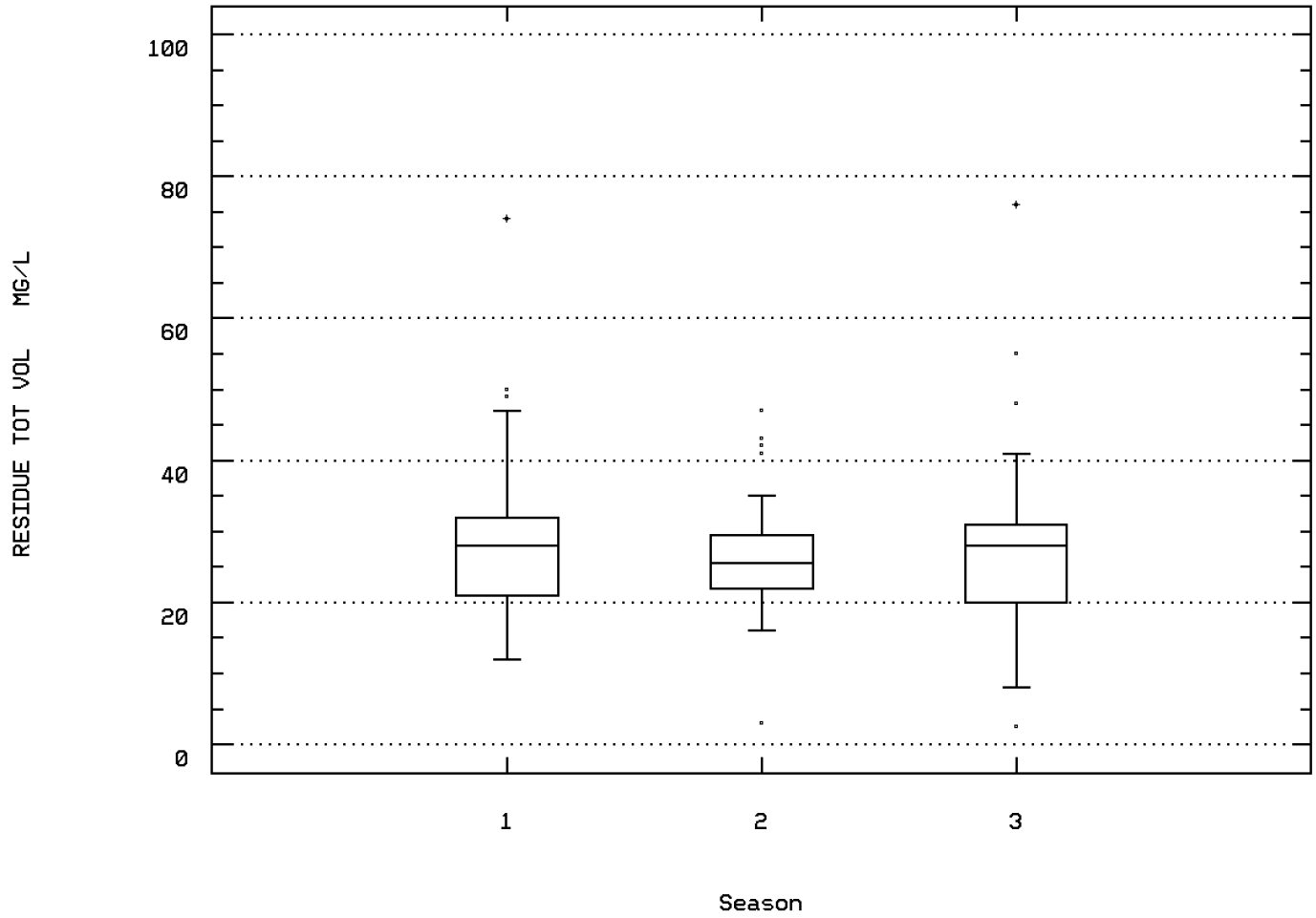
RESIDUE, TOTAL (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00505

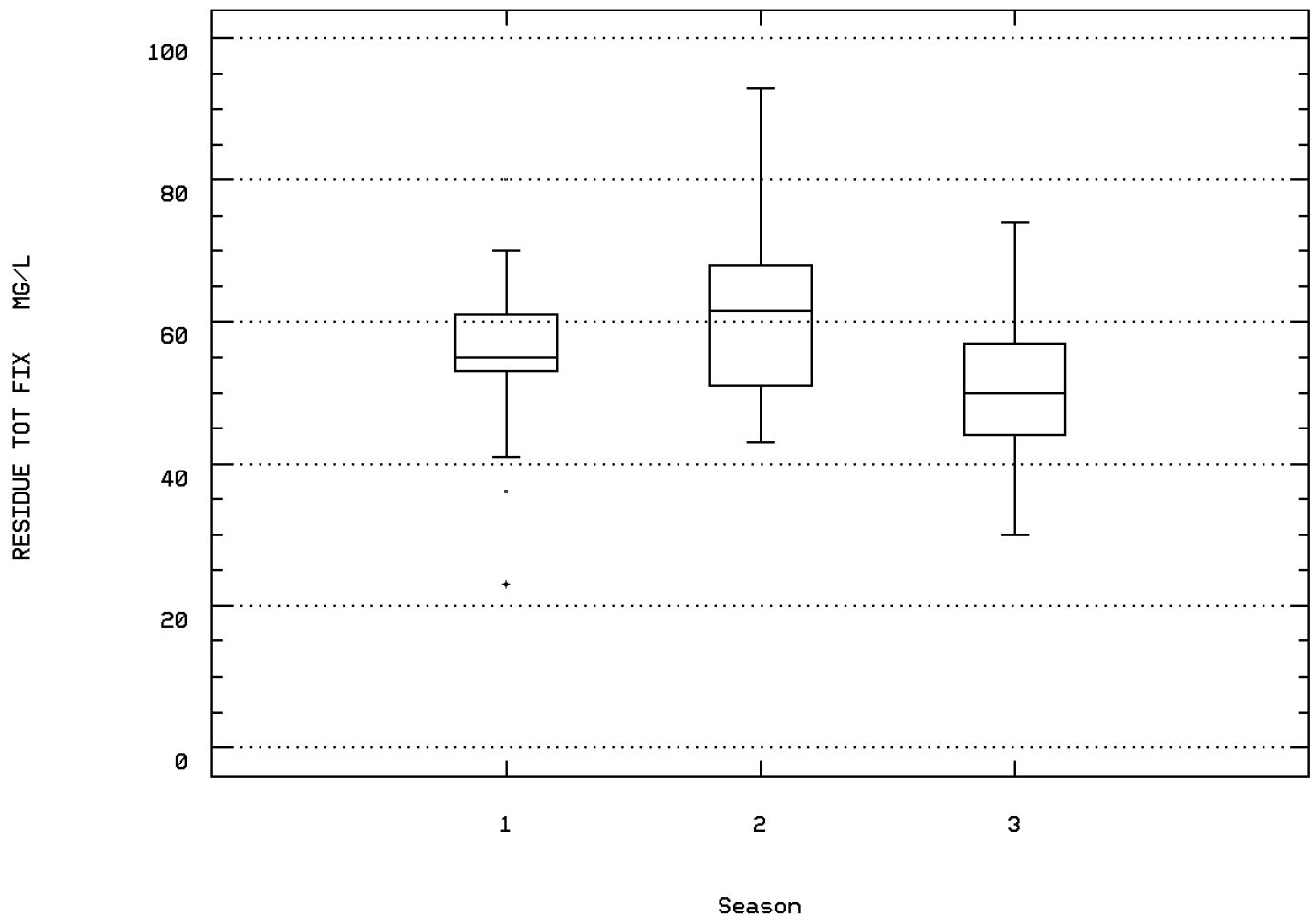
RESIDUE, TOTAL VOLATILE (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00510

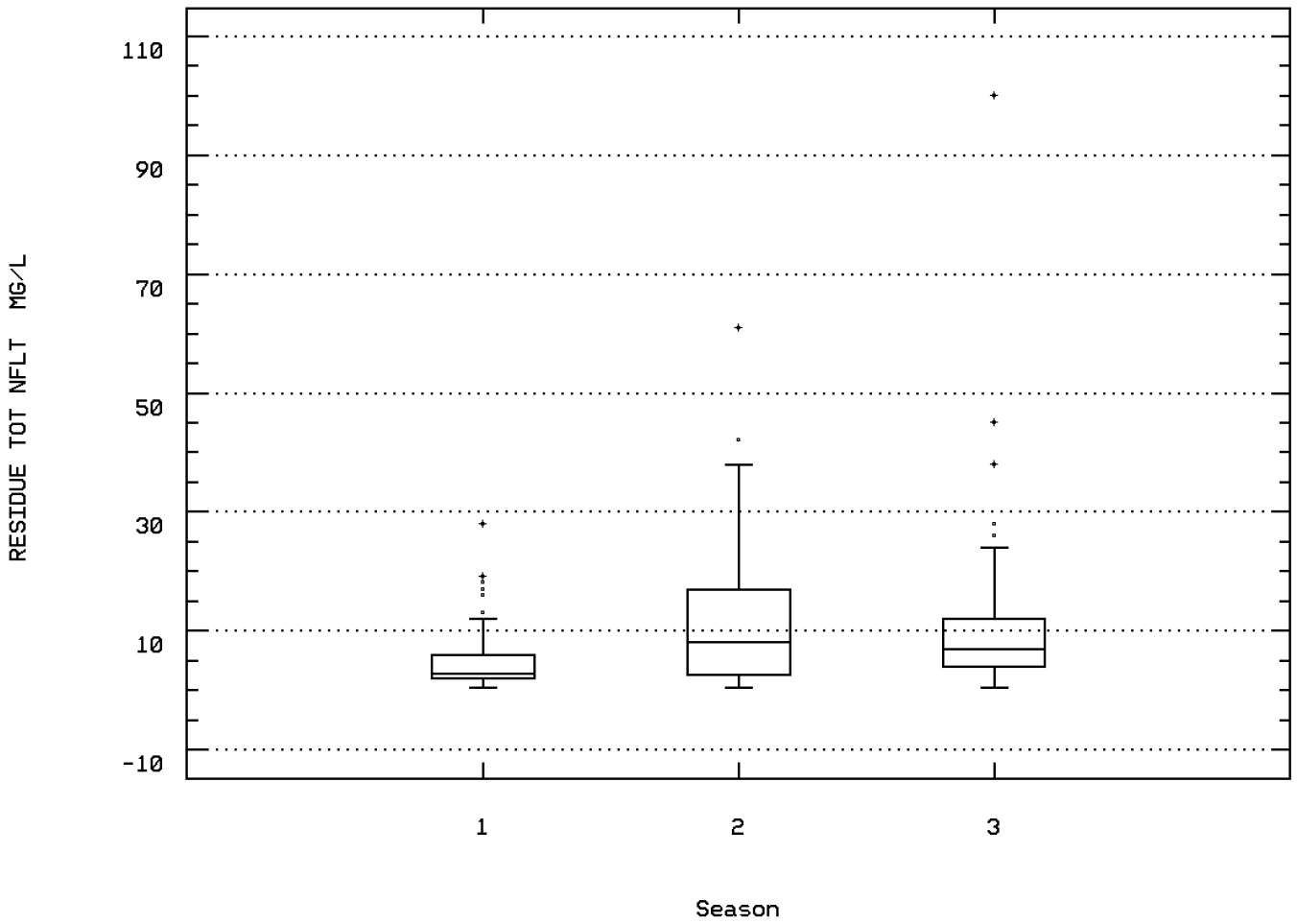
RESIDUE, TOTAL FIXED (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00530

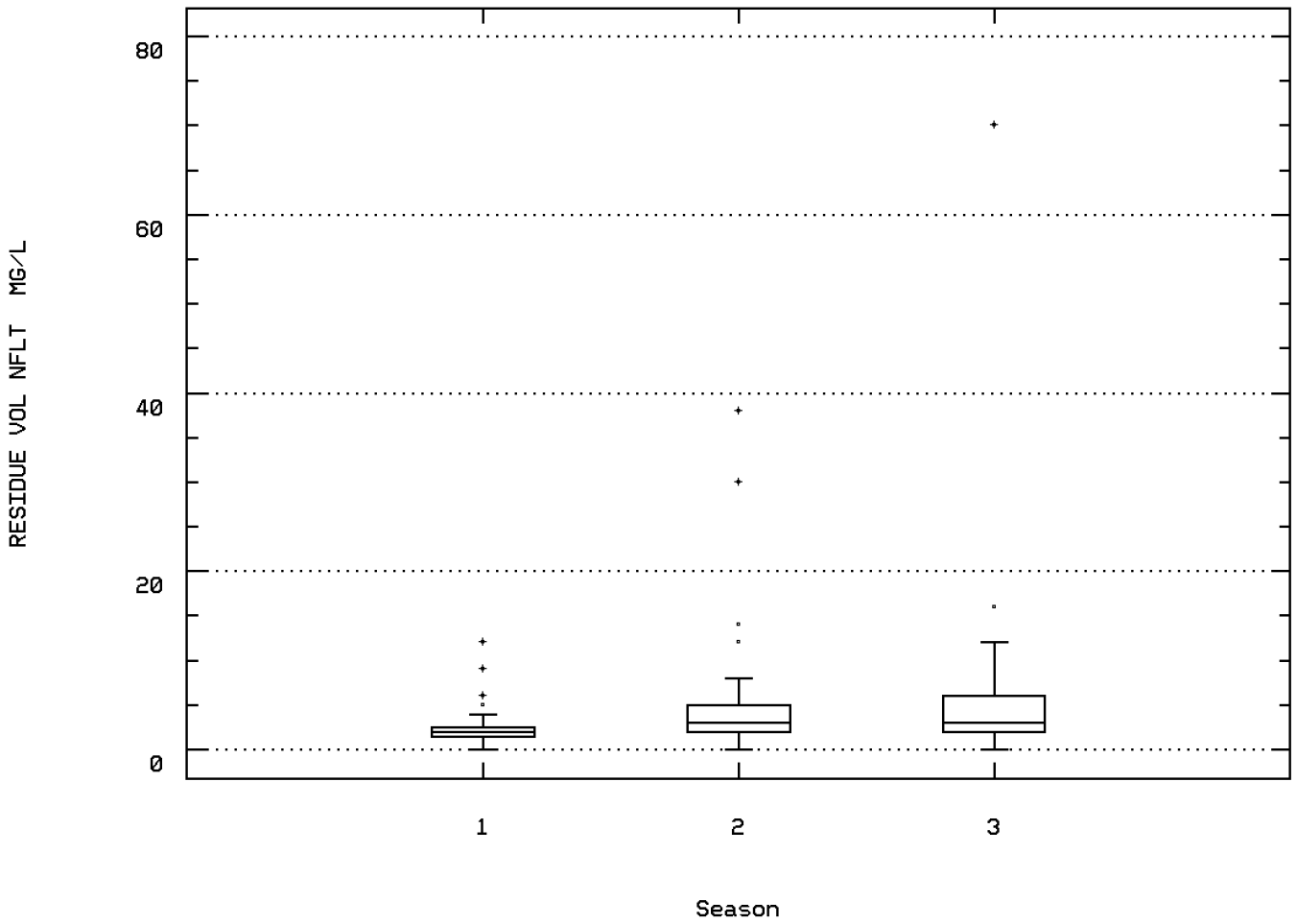
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00535

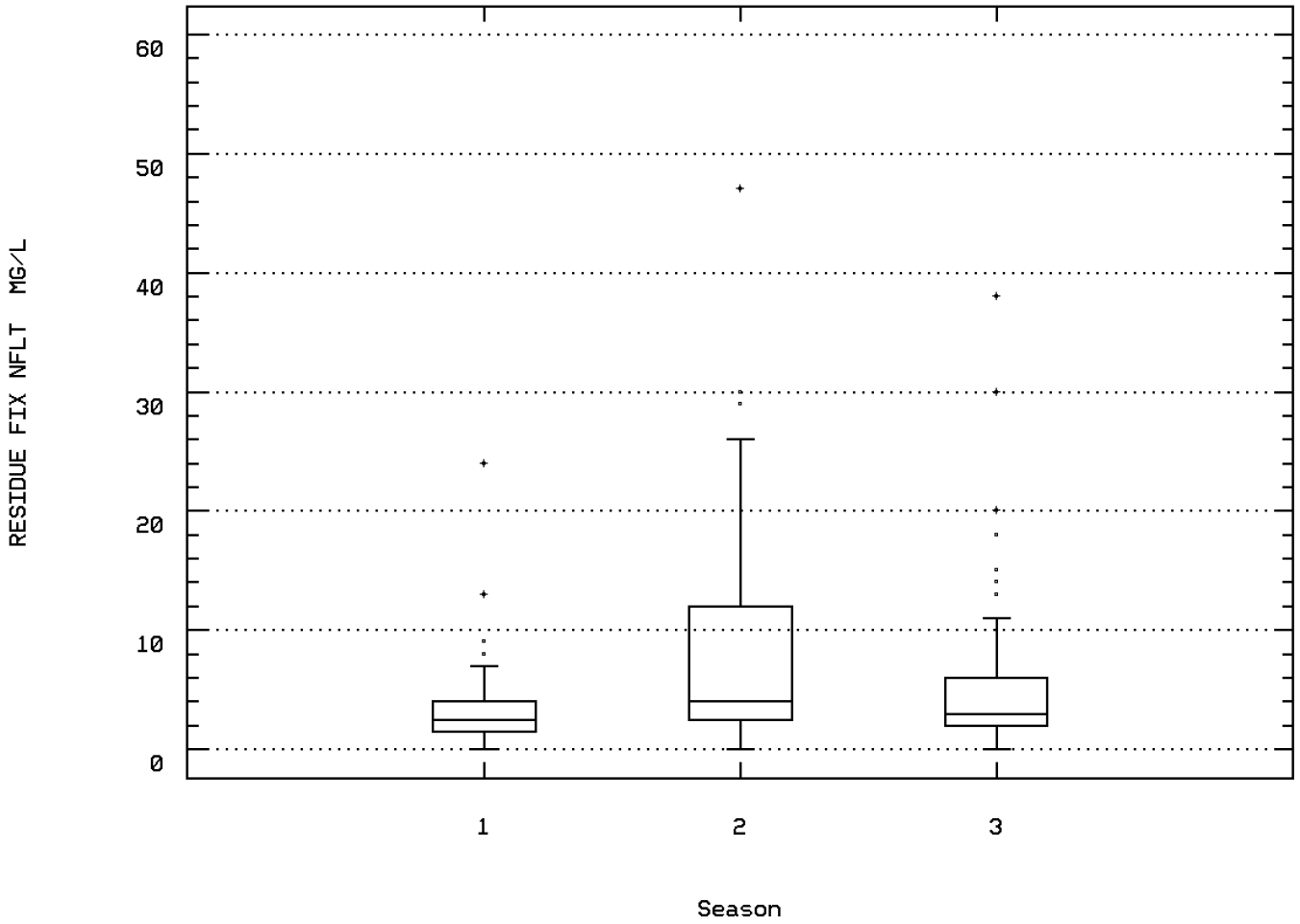
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00540

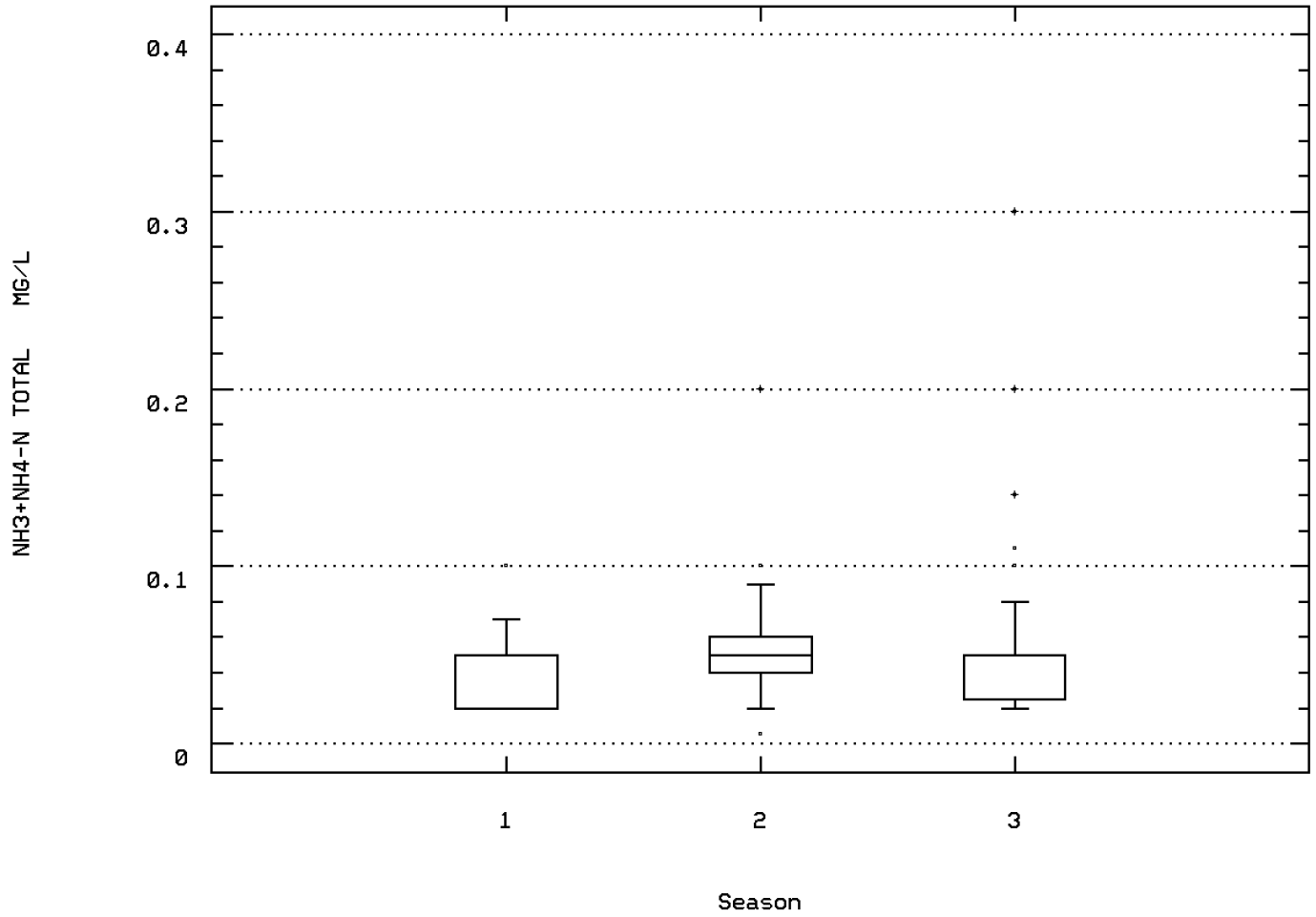
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00610

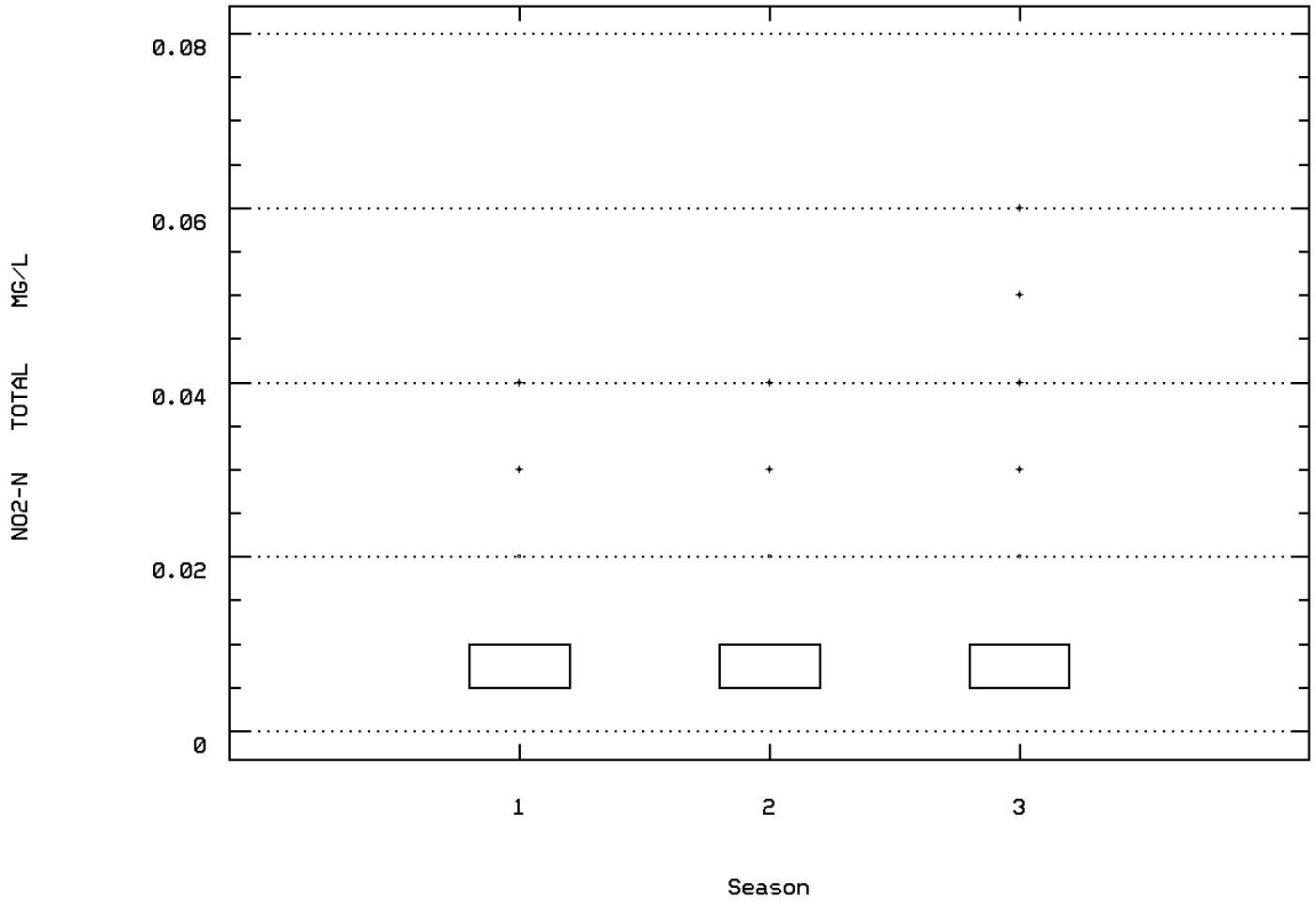
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00615

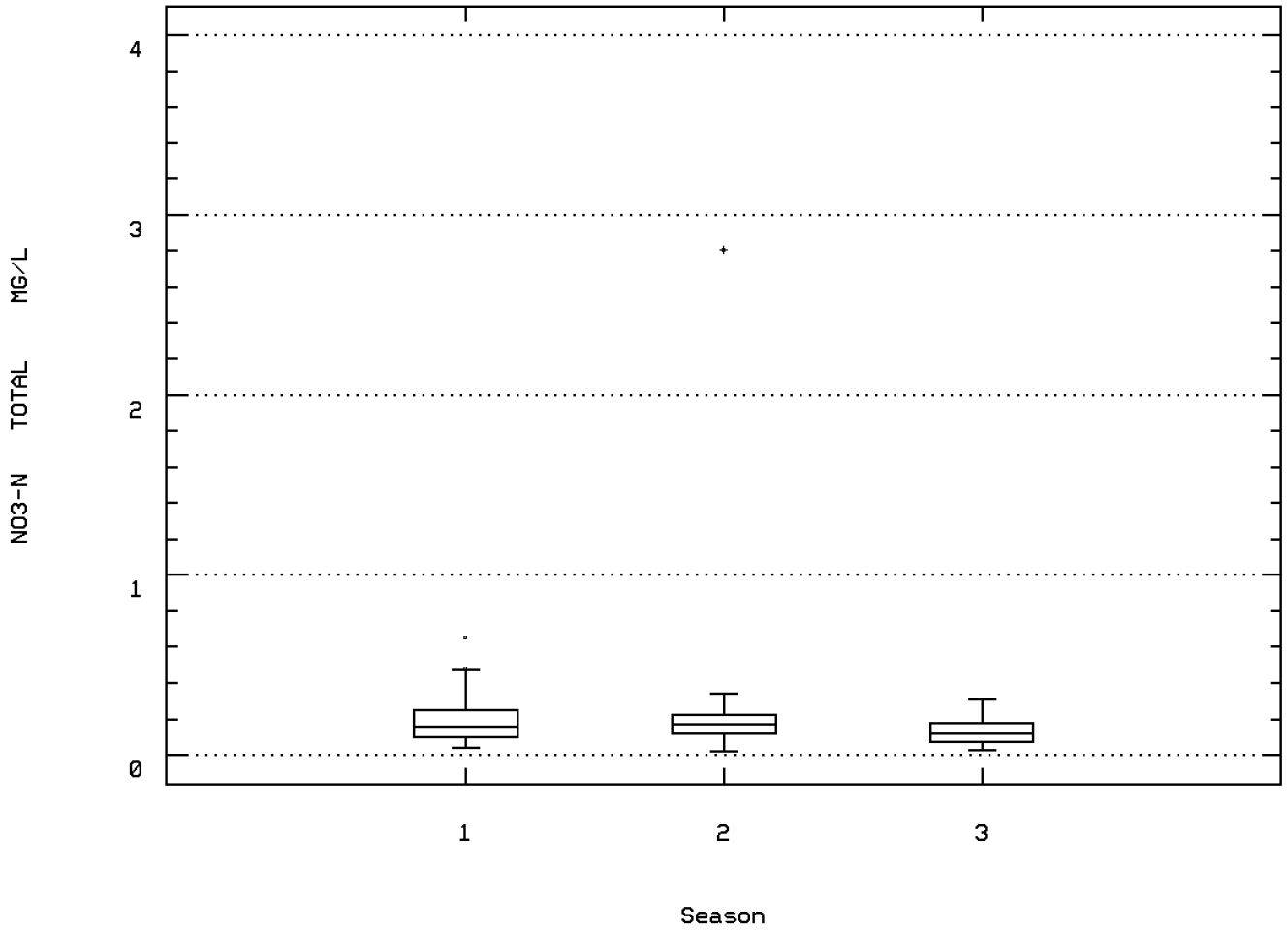
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00620

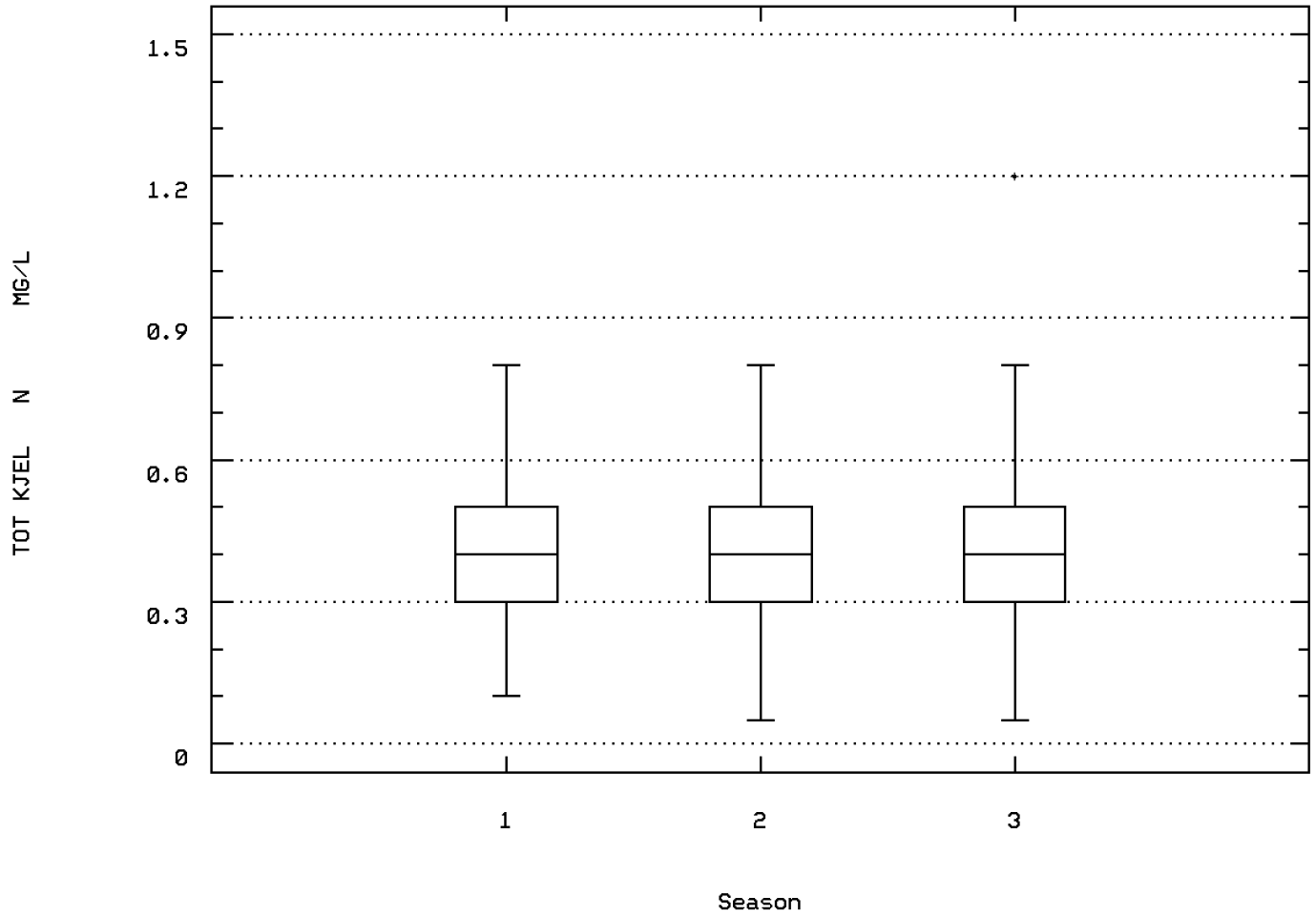
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 00625

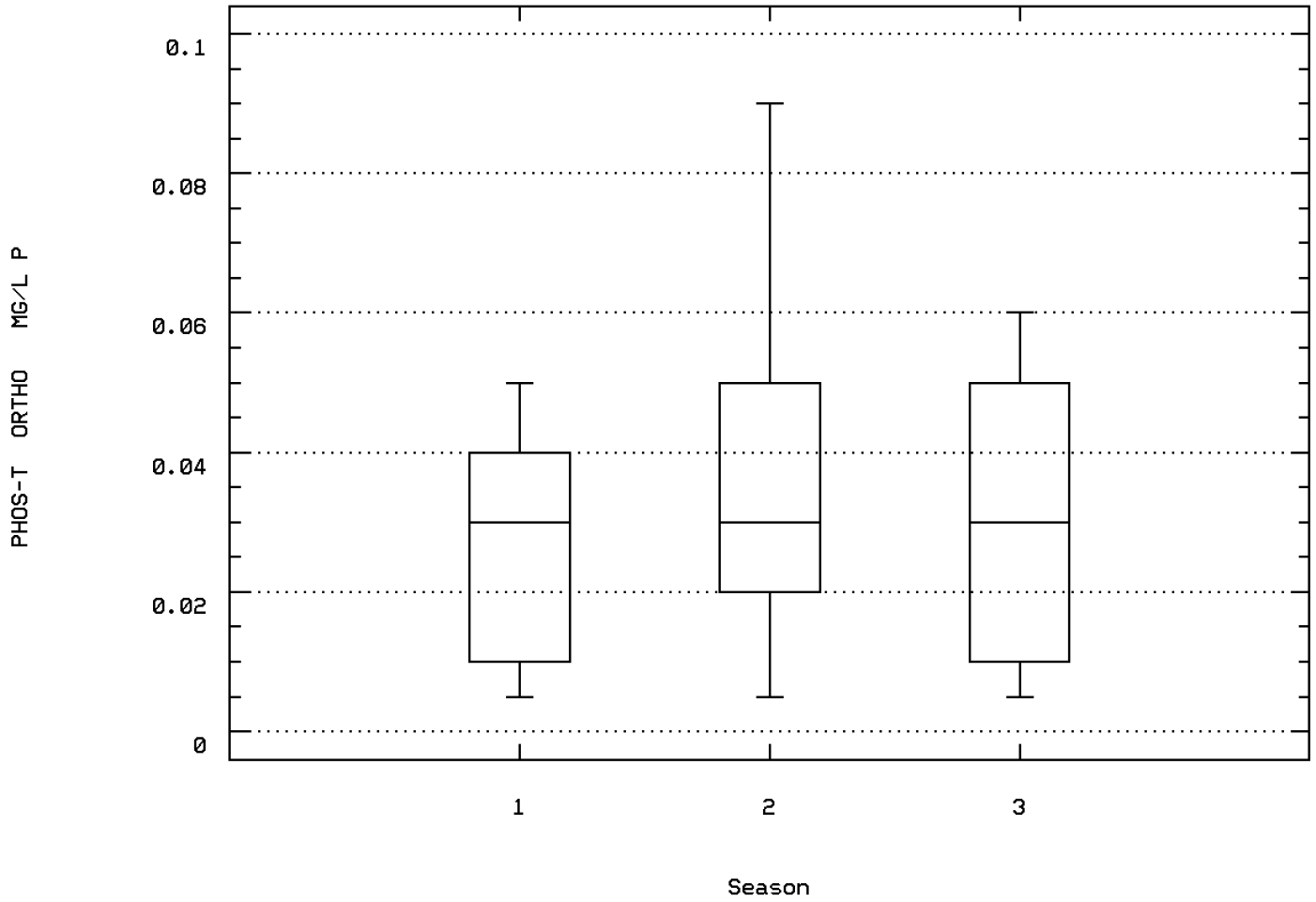
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 36 BRIDGE

Station: PETE0080 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 36 BRIDGE

Station Inventory for Station: PETE0081

NPS Station ID: PETE0081 LAT/LON: 37.231948/ -77.421116 Agency: 21VASWCB Date Created: 01/20/90
Location: 1/4 MILE (100 M.) ABOVE RT. 36 BRIDGE-PETERSBURG FIPS State/County: 51730 VIRGINIA/PETERSBURG (CITY)
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP013.00
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 0.40 On/Off RF1:
RF3 Index: 02080207027200.49 RF3 Mile Point: 0.49 Distance from RF3: 0.01 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 06 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0081

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: PETE0082

NPS Station ID: PETE0082
LAT/LON: 37.240559/ -77.427226
Agency: CHESBAY
Date Created: 08/24/84
Location: BUOY 8 JRWQMP STA.20A APPOMATTOX
FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): TF5.4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080207
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080207
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02080206004508.68
RF3 Mile Point: 10.86
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0082

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: PETE0083

NPS Station ID: PETE0083 LAT/LON: 37.223337/ -77.440809 Agency: 21VASWCB Date Created: / /
Location: RT. 600 BR. NEAR FERNDALE PARK (UPPER CANAL) FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-ACU001.77 /VA2-06-X0001/VA2-4X0001
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 9.390 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000310.40 RF3 Mile Point: 10.40 Distance from RF3: 0.06 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 06 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/74-06/12/79	50	16.	16.132	30.	0.9	88.255	9.394	3.09	7.15	24.55	27.77
00300	OXYGEN, DISSOLVED MG/L	01/24/74-06/12/79	50	9.	9.048	16.4	1.3	5.375	2.318	7.	7.5	10.45	12.
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/29/75-01/29/75	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/24/74-06/12/79	46	7.	7.043	8.	1.	0.993	0.997	6.5	7.	7.5	7.59
00400	CONVERTED PH (STANDARD UNITS)	01/24/74-06/12/79	46	7.	2.663	8.	1.	20.611	4.54	6.5	7.	7.5	7.59
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/74-06/12/79	46	0.1	2174.01	100000.	0.01	217390874.893	14744.181	0.027	0.032	0.1	0.316
00403	PH, LAB, STANDARD UNITS SU	06/12/79-06/12/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/12/79-06/12/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/79-06/12/79	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/12/79-06/12/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/24/74-06/12/79	41 ##	0.05	0.204	5.5	0.005	0.741	0.861	0.05	0.05	0.05	0.05
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/05/74-06/12/79	48 ##	0.05	0.073	0.2	0.05	0.002	0.044	0.05	0.05	0.1	0.11
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/74-06/12/79	49 ##	0.005	0.009	0.04	0.005	0.	0.008	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/74-05/25/78	34	0.09	0.092	0.2	0.005	0.004	0.06	0.018	0.025	0.145	0.185
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/74-06/12/79	49	0.4	0.377	0.8	0.05	0.021	0.145	0.2	0.3	0.4	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/77-06/12/79	15	0.14	0.147	0.33	0.025	0.007	0.085	0.025	0.09	0.2	0.294
01002	ARSENIC, TOTAL (UG/L AS AS)	11/25/75-06/09/77	3 ##	1.	1.167	1.5	1.	0.083	0.289	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/75-06/09/77	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/17/75-11/16/77	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/17/75-11/16/77	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/17/75-11/16/77	6 ##	3.25	7.25	20.	1.5	62.475	7.904	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/17/75-11/16/77	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/17/75-11/16/77	6	10.	14.167	40.	5.	164.167	12.813	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/74-06/12/79	48 ##	50.	140.625	1200.	50.	49537.899	222.571	50.	50.	100.	500.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/74-06/12/79	48 ##	1.699	1.915	3.079	1.699	0.137	0.37	1.699	1.699	2.	2.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			82.168								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/24/74-06/12/79	49 ##	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)	01/24/74-06/12/79	49 ##	0.02	0.029	0.11	0.005	0.001	0.023	0.005	0.005	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	03/17/75-11/16/77	6 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	50	1	0.02	12	0	0.00	19	1	0.05	19	0	0.00			
00400	PH	Other-Hi Lim.	9.	46	0	0.00	11	0	0.00	17	0	0.00	18	0	0.00			
		Other-Lo Lim.	6.5	46	6	0.13	11	0	0.00	17	4	0.24	18	2	0.11			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	49	0	0.00	12	0	0.00	18	0	0.00	19	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	34	0	0.00	7	0	0.00	11	0	0.00	16	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00				2	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6	0	0.00				2	0	0.00	4	0	0.00			
		Drinking Water	1300.	6	0	0.00				2	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00				2	0	0.00	4	0	0.00			
		Drinking Water	15.	6	1	0.17				2	1	0.50	4	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	6	0	0.00				2	0	0.00	4	0	0.00			
		Drinking Water	100.	6	0	0.00				2	0	0.00	4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00				2	0	0.00	4	0	0.00			
		Drinking Water	5000.	6	0	0.00				2	0	0.00	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	48	8	0.17	12	1	0.08	18	4	0.22	18	3	0.17			
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00				2	0	0.00	4	0	0.00			
		Drinking Water	2.	6	0	0.00				2	0	0.00	4	0	0.00			

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

Station Inventory for Station: PETE0084

NPS Station ID: PETE0084 LAT/LON: 37.142503/ -77.444171 Agency: 21VASWCB Date Created: 04/13/96
Location: ARTHUR SWAMP, RT. 675 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AATH003.28
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: ARTHUR SWAMP SECTION: 02 TOPO MAP #: 0037 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	2	18.2	18.2	23.4	13.	54.08	7.354	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	2	117.	117.	141.	93.	1152.	33.941	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/94-10/11/94	2	5.96	5.96	6.3	5.62	0.231	0.481	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/94-10/11/94	2	5.839	5.839	6.3	5.62	0.261	0.511	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/94-10/11/94	2	1.45	1.45	2.399	0.501	1.801	1.342	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0084

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	2	2	1.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									

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

Station Inventory for Station: PETE0085

NPS Station ID: PETE0085 LAT/LON: 37.090559/ -77.469449 Agency: 21VASWCB Date Created: 06/04/94
Location: ROWANTY CREEK, RT. 605 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AROW013.14
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: ROWANTY CREEK SECTION: 02 TOPO MAP #: 0038 TOPO MAP NAME: CARSON, VA

Parameter Inventory for Station: PETE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/94-07/16/96	11	16.5	16.145	25.4	3.9	63.493	7.968	3.96	10.	24.8	25.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/12/94-07/16/96	9	11.	10.856	26.4	4.4	48.65	6.975	4.4	5.05	13.9	26.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-07/16/96	8	82.	84.25	105.	67.	213.357	14.607	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/94-07/16/96	9	79.	77.222	106.	58.	296.194	17.21	58.	60.5	90.5	106.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/94-07/16/96	11	4.2	5.482	10.4	2.2	8.062	2.839	2.34	3.8	8.4	10.3
00310	BOD, 5 DAY, 20 DEG C MG/L	07/12/94-07/16/96	9	1.7	2.256	5.	0.5	2.085	1.444	0.5	1.25	3.5	5.
00340	COD, .25N K2CR2O7 MG/L	07/12/94-07/16/96	9	29.	33.	55.	24.	115.	10.724	24.	24.5	39.5	55.
00400	PH (STANDARD UNITS)	07/12/94-07/16/96	11	6.2	6.2	6.58	5.76	0.08	0.283	5.784	5.9	6.42	6.572
00400	CONVERTED PH (STANDARD UNITS)	07/12/94-07/16/96	11	6.2	6.117	6.58	5.76	0.088	0.296	5.784	5.9	6.42	6.572
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/94-07/16/96	11	0.631	0.763	1.738	0.263	0.241	0.491	0.268	0.38	1.259	1.654
00403	PH, LAB, STANDARD UNITS SU	07/12/94-07/16/96	9	6.4	6.467	6.8	6.	0.075	0.274	6.	6.3	6.75	6.8
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/94-07/16/96	9	6.4	6.39	6.8	6.	0.082	0.286	6.	6.3	6.75	6.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/94-07/16/96	9	0.398	0.408	1.	0.158	0.071	0.267	0.158	0.179	0.501	1.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/94-07/16/96	9	17.	18.444	34.	6.	92.028	9.593	6.	9.5	27.	34.
00500	RESIDUE, TOTAL (MG/L)	07/12/94-07/16/96	9	74.	79.556	106.	58.	329.278	18.146	58.	62.5	98.	106.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/12/94-07/16/96	9	30.	32.111	48.	19.	92.611	9.623	19.	24.5	40.5	48.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/12/94-07/16/96	9	46.	47.333	59.	34.	95.	9.747	34.	38.	57.	59.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/12/94-07/16/96	9	6.	6.444	10.	3.	5.028	2.242	3.	5.	8.5	10.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/12/94-07/16/96	9 ##	1.5	2.278	4.	1.5	0.944	0.972	1.5	1.5	3.	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/12/94-07/16/96	9	4.	3.944	6.	1.5	2.278	1.509	1.5	3.	5.5	6.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/94-07/16/96	9 ##	0.02	0.047	0.11	0.02	0.001	0.036	0.02	0.02	0.08	0.11
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/12/94-07/16/96	9 ##	0.005	0.011	0.03	0.005	0.	0.009	0.005	0.005	0.015	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/12/94-07/16/96	9	0.06	0.057	0.11	0.02	0.001	0.028	0.02	0.03	0.07	0.11
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/12/94-07/16/96	9	0.7	0.711	1.	0.4	0.061	0.247	0.4	0.45	0.95	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/12/94-07/16/96	9	0.07	0.066	0.09	0.03	0.	0.022	0.03	0.045	0.085	0.09
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/12/94-07/16/96	9	11.3	11.8	15.1	10.	3.243	1.801	10.	10.3	13.2	15.1
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	07/05/95-07/05/95	1	33.621	33.621	33.621	33.621	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/12/94-07/16/96	9	21.	23.222	34.	15.	72.444	8.511	15.	15.5	34.	34.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/12/94-07/16/96	9	7.	6.556	10.	4.	3.528	1.878	4.	5.	7.5	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/94-07/16/96	9	3.	3.667	7.	0.5	4.688	2.165	0.5	2.	5.5	7.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/05/95-07/05/95	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/05/95-07/05/95	1	172.	172.	172.	172.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/05/95-07/05/95	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	07/05/95-07/05/95	1	1660.	1660.	1660.	1660.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/05/95-07/05/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/05/95-07/05/95	1	3100.	3100.	3100.	3100.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/12/94-07/16/96	9	78.	120.778	220.	45.	4326.944	65.78	45.	73.	190.	220.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/12/94-07/16/96	9	1.892	2.023	2.342	1.653	0.059	0.243	1.653	1.862	2.276	2.342
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			105.337								
34480	THALLIUM DRY WGTBOTMG/KG	07/05/95-07/05/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/05/95-07/05/95	1 ##	45.	45.	45.	45.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/05/95-07/05/95	1 ##	45.	45.	45.	45.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/05/95-07/05/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	1 ##	45.	45.	45.	45.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/05/95-07/05/95	1 ##	140.	140.	140.	140.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/05/95-07/05/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/05/95-07/05/95	1 ##	70.	70.	70.	70.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/12/94-07/16/96	9	0.04	0.041	0.07	0.02	0.	0.016	0.02	0.025	0.05	0.07
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/05/95-07/05/95	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/05/95-07/05/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/05/95-07/05/95	1 ##	45.	45.	45.	45.	0.	0.	**	**	**	**
82007	PERCENT SAND IN SEDIMENT ON A DRY WEIGHT BASIS	07/05/95-07/05/95	1	58.48	58.48	58.48	58.48	0.	0.	**	**	**	**
82008	SEDIMENT PRCTL.SIZE CLASS .0039-.0625 SILT %DRY WT	07/05/95-07/05/95	1	17.53	17.53	17.53	17.53	0.	0.	**	**	**	**
82009	SEDIMENT PRCTL.SIZE CLASS <.0039 CLAY %DRY WT	07/05/95-07/05/95	1	23.99	23.99	23.99	23.99	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-3/09---------- Obs	Exceed	Prop.	----------3/10-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	5	0.45	7	5	0.71	2	0	0.00	2	0	0.00			
00400	PH	Other-Hi Lim.	9.	11	0	0.00	7	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	11	9	0.82	7	5	0.71	2	2	1.00	2	2	1.00			
00403	PH, LAB	Other-Hi Lim.	9.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	9	5	0.56	5	2	0.40	2	2	1.00	2	1	0.50			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	250.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	2	0.22	5	2	0.40	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: PETE0086

NPS Station ID: PETE0086 LAT/LON: 37.117503/ -77.472781 Agency: 21VASWCB Date Created: 04/13/96
Location: HATCHER RUN, RT. 675 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AHRA002.92
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: HATCHER RUN SECTION: 02 TOPO MAP #: 0038 TOPO MAP NAME: CARSON, VA

Parameter Inventory for Station: PETE0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	2	19.1	19.1	24.4	13.8	56.18	7.495	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	2	93.5	93.5	104.	83.	220.5	14.849	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	2	2.1	2.1	2.6	1.6	0.5	0.707	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/94-10/11/94	2	6.45	6.45	6.5	6.4	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/94-10/11/94	2	6.447	6.447	6.5	6.4	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/94-10/11/94	2	0.357	0.357	0.398	0.316	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 time series plot

EPA Water Quality Criteria Analysis for Station: PETE0086

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	2	2	1.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									

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

Station Inventory for Station: PETE0087

NPS Station ID: PETE0087 LAT/LON: 37.080281/ -77.474170 Agency: 21VASWCB Date Created: 04/13/96
Location: LITTLE CATTAIL CREEK, RT. 670 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5ALCC000.54
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: LITTLE CATTAIL CREEK SECTION: 02 TOPO MAP #: 0038 TOPO MAP NAME: CARSON, VA

Parameter Inventory for Station: PETE0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	2	18.65	18.65	24.2	13.1	61.605	7.849	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	2	97.	97.	106.	88.	162.	12.728	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	2	3.75	3.75	4.5	3.	1.125	1.061	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/94-10/11/94	2	6.385	6.385	6.5	6.27	0.026	0.163	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/94-10/11/94	2	6.37	6.37	6.5	6.27	0.027	0.164	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/94-10/11/94	2	0.427	0.427	0.537	0.316	0.024	0.156	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0087

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	1	0.50	2	1	0.50									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									

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

Station Inventory for Station: PETE0088

NPS Station ID: PETE0088
LAT/LON: 37.225003/ -77.475560
Agency: 112WRD
Date Created: 01/14/78
Location: APPOMATTOX RIVER AT MATOACA, VA
FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 02041650
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080207
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02080207
RF1 Mile Point: 0.000
Distance from RF1: 14.50
On/Off RF1:
RF3 Index: 02080207116900.70
RF3 Mile Point: 1.10
Distance from RF3: 0.21
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	368	13.	14.645	30.	0.	64.219	8.014	5.	7.5	22.5	25.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	296	15.5	15.604	36.	-2.5	72.108	8.492	5.35	8.125	22.	27.06
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	325	760.	754.24	780.	7.	3499.368	59.155	749.6	753.	765.	768.
00030	LIGHT, INCIDENT, SUNLIGHT RADIATION INTENSITY	06/22/88-06/22/88	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	318	1005.	2213.506	13300.	16.	6384510.333	2526.759	167.	423.	3397.5	6309.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	214	3.67	7.216	578.	1.01	1543.066	39.282	1.8	2.56	6.553	8.305
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/28/77-01/25/93	14	25.	25.143	65.	0.	608.44	24.667	0.	0.	43.75	64.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	150	9.05	21.148	144.	0.	815.042	28.549	2.01	3.775	24.	68.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	367	80.	81.499	761.	9.	1495.059	38.666	60.	71.	90.	98.
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	363	10.3	10.141	14.8	4.3	4.999	2.236	7.04	8.2	11.9	13.2
00310	BOD, 5 DAY, 20 DEG C MG/L	07/06/89-11/19/92	56	1.	1.313	3.	0.	0.587	0.766	0.5	1.	2.	2.
00335	COD, .025N K2CR2O7 MG/L	07/19/89-09/28/89	8	19.95	20.2	35.1	7.	86.12	9.28	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	09/29/89-12/06/90	43	13.	14.442	36.	6.	44.157	6.645	7.4	10.	18.	22.6
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	367	7.1	7.144	8.7	5.6	0.186	0.432	6.7	6.81	7.4	7.73
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	367	7.1	6.936	8.7	5.6	0.23	0.48	6.7	6.81	7.4	7.73
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	367	0.079	0.116	2.512	0.002	0.029	0.171	0.019	0.04	0.155	0.2
00403	PH, LAB, STANDARD UNITS SU	01/13/81-11/19/92	109	7.3	7.31	8.2	6.4	0.192	0.439	6.7	6.95	7.6	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	01/13/81-11/19/92	109	7.3	7.105	8.2	6.4	0.235	0.485	6.7	6.95	7.6	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/13/81-11/19/92	109	0.05	0.078	0.398	0.006	0.006	0.079	0.013	0.025	0.113	0.2
00405	CARBON DIOXIDE (MG/L AS CO2)	12/28/77-08/10/79	6	7.4	7.2	16.	1.5	29.428	5.425	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	98	26.	25.867	42.	10.	42.281	6.502	17.	20.75	30.	35.
00440	BICARBONATE ION (MG/L AS HCO3)	12/28/77-04/19/78	4	22.	20.75	27.	12.	40.25	6.344	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	12/28/77-04/19/78	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/24/87-04/29/94	33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/24/87-04/29/94	33	30.	30.909	48.	19.	42.46	6.516	21.8	27.5	36.	39.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-02/24/94	229	9.	13.087	79.	0.5	169.321	13.012	1.5	4.	17.	28.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-02/24/94	229	3.	3.697	58.	0.	24.17	4.916	1.	1.5	4.	7.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-02/24/94	201	6.	10.154	59.	0.5	109.891	10.483	1.5	3.	13.5	24.
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	07/01/80-08/13/80	2	2.125	2.125	3.7	0.55	4.961	2.227	**	**	**	**
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	07/01/80-08/13/80	2	3.01	3.01	5.28	0.74	10.306	3.21	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	01/25/78-01/13/81	26	0.51	0.54	0.95	0.27	0.033	0.182	0.297	0.388	0.645	0.837
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/10/79-01/13/81	10	0.475	0.483	0.86	0.25	0.034	0.183	0.256	0.318	0.593	0.837
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/25/78-01/13/81	26	0.29	0.329	0.63	0.13	0.018	0.134	0.178	0.23	0.403	0.559
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/10/79-01/13/81	10	0.245	0.271	0.49	0.11	0.015	0.124	0.116	0.178	0.38	0.485
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	296	0.04	0.048	0.36	0.	0.001	0.035	0.02	0.02	0.06	0.083
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/28/77-11/19/92	70	0.04	0.039	0.13	0.005	0.001	0.023	0.011	0.02	0.053	0.07
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	264 ##	0.005	0.009	0.39	0.002	0.001	0.026	0.005	0.005	0.005	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/20/90-11/19/92	13	0.01	0.008	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.016

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

Parameter Inventory for Station: PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-03/14/94	214	0.16	0.167	0.53	0.005	0.008	0.089	0.06	0.11	0.22	0.275
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/09/91-08/09/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/28/77-08/26/91	29	0.3	0.322	0.96	0.1	0.028	0.169	0.13	0.21	0.395	0.5
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	01/25/78-01/13/81	26	0.055	0.082	0.29	0.	0.007	0.081	0.	0.02	0.15	0.203
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	314	0.4	0.455	3.5	0.03	0.084	0.29	0.3	0.3	0.5	0.67
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/28/77-11/19/92	41	0.13	0.162	0.65	0.025	0.014	0.119	0.05	0.075	0.22	0.3
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	298	0.2	0.174	0.7	0.02	0.011	0.106	0.05	0.09	0.2	0.3
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/09/79-06/15/79	2	0.105	0.105	0.12	0.09	0.	0.021	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/12/83-03/02/83	2	0.06	0.06	0.09	0.03	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	316	0.05	0.054	0.2	0.004	0.001	0.035	0.02	0.03	0.07	0.103
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	306	0.01	0.016	0.06	0.	0.	0.01	0.005	0.01	0.02	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	288	0.01	0.012	0.08	0.005	0.	0.009	0.005	0.005	0.013	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	244	5.7	6.497	19.8	1.1	8.36	2.891	3.65	4.6	7.875	11.
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/28/77-01/06/94	9	8.4	18.611	100.	4.3	944.026	30.725	4.3	6.55	12.95	100.
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/28/77-08/13/80	7	0.5	1.071	4.7	0.2	2.596	1.611	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/28/77-11/05/85	38	23.	23.263	29.	15.	13.821	3.718	18.9	20.	27.	28.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/28/77-01/13/81	28	0.5	4.25	68.	0.	163.157	12.773	0.	0.	4.75	7.1
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/28/77-11/19/92	93	5.9	5.944	10.	3.5	1.331	1.154	4.6	5.1	6.6	7.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/28/77-11/19/92	93	2.6	2.599	3.6	1.5	0.229	0.478	1.94	2.3	3.	3.26
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/28/77-11/19/92	93	4.7	4.711	6.3	2.6	0.651	0.807	3.6	4.1	5.3	5.8
00931	SODIUM ADSORPTION RATIO	12/28/77-11/05/85	38	0.4	0.408	0.5	0.3	0.005	0.067	0.3	0.4	0.5	0.5
00932	SODIUM, PERCENT	12/28/77-11/05/85	38	27.	27.553	39.	20.	15.767	3.971	22.9	25.	29.25	31.5
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/16/79-02/15/80	7	6.1	6.	6.8	4.8	0.587	0.766	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/28/77-11/19/92	93	2.	2.112	3.7	0.6	0.265	0.515	1.6	1.75	2.45	2.8
00940	CHLORIDE,TOTAL IN WATER MG/L	12/28/77-11/19/92	93	4.	4.215	6.	3.	0.692	0.832	3.	4.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/28/77-11/19/92	93	7.	7.	16.	3.	7.783	2.79	4.	5.	9.	10.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/28/77-11/19/92	93	0.1	0.096	0.2	0.05	0.002	0.041	0.05	0.05	0.1	0.16
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	314	14.	13.676	19.	6.4	6.519	2.553	10.	12.	15.5	17.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/28/77-08/26/91	47 ##	0.5	0.723	4.	0.	0.335	0.579	0.5	0.5	1.	1.
01001	ARSENIC, SUSPENDED (UG/L AS AS)	12/28/77-05/12/82	8	1.	0.688	1.	0.	0.21	0.458	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	12/28/77-07/08/82	12	1.	1.333	4.	0.5	0.924	0.961	0.5	1.	1.75	3.4
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/28/77-11/19/92	52	24.	29.269	100.	13.	267.73	16.362	16.3	19.25	31.	50.
01006	BARIUM, SUSPENDED (UG/L AS BA)	12/28/77-12/15/81	9	0.	35.556	100.	0.	1877.778	43.333	0.	0.	80.	100.
01007	BARIUM, TOTAL (UG/L AS BA)	12/28/77-07/08/82	12 ##	50.	64.583	100.	25.	733.902	27.091	32.5	50.	100.	100.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/16/82-08/26/91	33 ##	0.25	0.285	1.4	0.	0.048	0.219	0.25	0.25	0.25	0.4
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/28/77-08/26/91	45 ##	0.5	0.711	2.	0.	0.301	0.549	0.5	0.5	0.5	2.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/28/77-12/15/81	8	0.	0.25	2.	0.	0.5	0.707	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	12/28/77-07/08/82	11	1.	1.136	4.	0.	1.605	1.267	0.	0.	2.	3.6
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/28/77-08/26/91	47 ##	0.5	2.511	30.	0.	25.81	5.08	0.5	0.5	1.	10.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/28/77-07/08/82	9	10.	9.833	29.	0.	89.5	9.46	0.	2.25	15.	29.
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/28/77-07/08/82	12	10.	16.25	30.	5.	86.932	9.324	6.5	10.	27.5	30.
01035	COBALT, DISSOLVED (UG/L AS CO)	12/28/77-11/19/92	51 ##	1.5	1.235	3.	0.	0.404	0.635	0.	1.5	1.5	1.5
01036	COBALT, SUSPENDED (UG/L AS CO)	12/28/77-08/13/80	8	0.	0.375	2.	0.	0.554	0.744	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	12/28/77-07/08/82	12 ##	0.5	0.5	2.	0.	0.364	0.603	0.	0.	0.875	1.7
01040	COPPER, DISSOLVED (UG/L AS CU)	12/28/77-08/26/91	46	2.	2.141	5.	0.5	1.541	1.241	1.	1.	3.	4.
01041	COPPER, SUSPENDED (UG/L AS CU)	12/28/77-07/08/82	12	2.	1.917	5.	0.	2.992	1.73	0.	0.	3.	4.7
01042	COPPER, TOTAL (UG/L AS CU)	12/28/77-07/08/82	12	4.5	4.583	9.	1.	6.083	2.466	1.3	2.25	6.75	8.4
01044	IRON, SUSPENDED (UG/L AS FE)	06/13/78-07/08/82	11	410.	551.818	1400.	120.	163056.364	403.802	126.	270.	770.	1340.
01045	IRON, TOTAL (UG/L AS FE)	12/28/77-07/08/82	12	840.	1025.833	2500.	250.	440717.424	663.866	274.	550.	1375.	2320.
01046	IRON, DISSOLVED (UG/L AS FE)	12/28/77-11/19/92	52	250.	443.154	3400.	5.	408288.211	638.974	38.6	145.	390.	1270.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/28/77-08/26/91	45	2.5	3.033	16.	0.	11.766	3.43	0.5	0.5	4.5	6.
01050	LEAD, SUSPENDED (UG/L AS PB)	12/28/77-05/12/82	9	0.	2.333	15.	0.	23.75	4.873	0.	0.	2.5	15.
01051	LEAD, TOTAL (UG/L AS PB)	12/28/77-07/08/82	11	2.	4.409	19.	0.	31.041	5.571	0.1	1.	8.	16.8
01054	MANGANESE, SUSPENDED (UG/L AS MN)	12/28/77-07/08/82	12	60.	85.833	250.	20.	4281.061	65.43	23.	50.	120.	223.
01055	MANGANESE, TOTAL (UG/L AS MN)	12/28/77-07/08/82	12	100.	169.167	850.	60.	49917.424	223.422	60.	60.	150.	679.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/28/77-11/19/92	49	33.	71.653	690.	5.	18201.231	134.912	8.	13.5	54.	160.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-11/19/92	38 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-11/19/92	45	1.	1.622	20.	0.	9.422	3.07	0.5	0.5	1.	3.4
01066	NICKEL, SUSPENDED (UG/L AS NI)	11/07/79-05/12/82	6	1.5	1.833	5.	0.	3.767	1.941	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/07/79-07/08/82	7	2.	2.643	5.	0.5	3.226	1.796	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	12/28/77-11/19/92	52 ##	0.5	0.413	1.	0.	0.046	0.215	0.	0.5	0.5	0.5
01076	SILVER, SUSPENDED (UG/L AS AG)	12/28/77-08/13/80	8	0.	0.	0.	0.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	12/28/77-07/08/82	14 ##	0.	0.143	0.5	0.	0.055	0.234	0.	0.	0.5	0.5

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

Parameter Inventory for Station: PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-11/19/92	38	48.	48.553	73.	29.	104.849	10.24	34.9	42.	53.	66.3
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-11/19/92	38 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/28/77-08/26/91	47	3.	5.574	30.	0.	36.489	6.041	0.	1.5	8.	13.2
01091	ZINC, SUSPENDED (UG/L ZN)	12/28/77-08/13/80	8	10.	12.5	20.	0.	50.	7.071	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/28/77-07/08/82	12	20.	25.	50.	10.	154.545	12.432	10.	20.	37.5	47.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-11/19/92	38	30.	51.053	170.	5.	1893.457	43.514	5.	20.	82.5	100.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-11/19/92	38 ##	2.	2.684	23.	2.	11.789	3.434	2.	2.	2.	2.2
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/28/77-11/19/92	52 ##	0.5	0.471	0.5	0.	0.014	0.118	0.5	0.5	0.5	0.5
01146	SELENIUM, SUSPENDED (UG/L AS SE)	12/28/77-08/13/80	8	0.	0.	0.	0.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	12/28/77-07/08/82	12 ##	0.5	0.375	0.5	0.	0.051	0.226	0.	0.125	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	94	21.	137.234	5500.	0.	361140.187	600.949	2.5	10.	52.5	235.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	94	1.322	1.363	3.74	-0.301	0.502	0.709	0.389	1.	1.72	2.366
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			23.071								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	94	50.5	290.207	5600.	0.	622548.099	789.017	4.25	14.5	195.5	490.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	94	1.703	1.699	3.748	0.	0.683	0.826	0.628	1.161	2.291	2.69
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			50.033								
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/24/87-04/29/94	33	25.	25.545	39.	16.	28.443	5.333	17.8	22.5	30.	32.
60050	ALGAE, TOTAL (CELLS/ML)	05/18/78-09/09/80	13	1800.	2057.923	4700.	83.	2141014.41	1463.221	109.8	660.	3300.	4180.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/28/77-11/19/92	92	62.5	63.75	138.	40.	136.431	11.68	51.	58.	68.75	73.7
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/28/77-11/05/85	36	53.	52.222	64.	37.	46.692	6.833	43.7	47.25	56.75	62.
70302	SOLIDS, DISSOLVED-TONS PER DAY	12/28/77-11/05/81	29	125.	225.577	2140.	1.84	151244.583	388.902	48.5	61.9	239.5	434.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/28/77-01/12/83	36	0.08	0.088	0.19	0.06	0.	0.02	0.07	0.08	0.09	0.1
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	131	93.	86.557	100.	0.	295.926	17.202	58.6	83.	97.	100.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/20/90-11/19/92	13	0.01	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.015	0.026
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	08/13/80-08/13/80	1	10530.	10530.	10530.	10530.	0.	0.	**	**	**	**
70953	CHLOROPHYLL-A,PHYTOPLANKTON UG/L,CHROMO-FLUORO	11/07/79-11/07/79	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
70954	CHLOROPHYLL-B,PHYTOPLANKTON UG/L,CHROMO-FLUORO	11/07/79-11/07/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	07/01/80-08/13/80	2	0.1	0.1	0.2	0.	0.02	0.141	**	**	**	**
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	07/01/80-08/13/80	2	0.02	0.02	0.04	0.	0.001	0.028	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/09/79-01/13/81	14	0.05	0.046	0.1	0.01	0.001	0.027	0.01	0.02	0.063	0.085
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/10/79-03/02/83	19	0.04	0.045	0.14	0.	0.001	0.034	0.01	0.03	0.05	0.1
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/09/79-11/05/85	32	0.105	0.12	0.28	0.03	0.004	0.063	0.06	0.06	0.18	0.18
71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/25/78-01/13/81	26	2.3	2.392	4.2	1.2	0.654	0.808	1.3	1.7	2.825	3.72
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/28/77-08/26/91	46 ##	0.05	0.112	0.7	0.05	0.014	0.12	0.05	0.05	0.125	0.25
71895	MERCURY, SUSPENDED (UG/L AS HG)	12/28/77-05/12/82	9	0.	0.111	0.7	0.	0.054	0.232	0.	0.	0.15	0.7
71900	MERCURY, TOTAL (UG/L AS HG)	12/28/77-07/08/82	12 ##	0.25	0.3	1.4	0.05	0.129	0.359	0.05	0.088	0.288	1.07
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	132	7.	10.136	69.	1.	99.447	9.972	3.3	5.	11.	19.4
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/28/77-11/05/85	28	24.5	49.58	306.	0.13	4476.699	66.908	1.72	12.	59.	127.1

** - 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: PETE0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	3	0.21				13	3	0.23	1	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	150	18	0.12	38	1	0.03	77	13	0.17	35	4	0.11			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	363	0	0.00	89	0	0.00	157	0	0.00	117	0	0.00			
00400	PH	Other-Hi Lim.	9.	367	0	0.00	90	0	0.00	160	0	0.00	117	0	0.00			
		Other-Lo Lim.	6.5	367	23	0.06	90	5	0.06	160	12	0.08	117	6	0.05			
00403	PH, LAB	Other-Hi Lim.	9.	109	0	0.00	23	0	0.00	51	0	0.00	35	0	0.00			
		Other-Lo Lim.	6.5	109	5	0.05	23	0	0.00	51	3	0.06	35	2	0.06			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	264	0	0.00	51	0	0.00	137	0	0.00	76	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	13	0	0.00	2	0	0.00	7	0	0.00	4	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	214	0	0.00	44	0	0.00	110	0	0.00	60	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	41	0	0.00	12	0	0.00	18	0	0.00	11	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	298	0	0.00	63	0	0.00	153	0	0.00	82	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	93	0	0.00	26	0	0.00	44	0	0.00	23	0	0.00			
		Drinking Water	250.	93	0	0.00	26	0	0.00	44	0	0.00	23	0	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: PETE0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	93	0	0.00	26	0	0.00	44	0	0.00	23	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	93	0	0.00	26	0	0.00	44	0	0.00	23	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
		Drinking Water	50.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	50.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	50.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
01006	BARIUM, SUSPENDED	Drinking Water	2000.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	33	0	0.00	8	0	0.00	18	0	0.00	7	0	0.00			
		Drinking Water	4.	33	0	0.00	8	0	0.00	18	0	0.00	7	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	45	0	0.00	10	0	0.00	24	0	0.00	11	0	0.00			
		Drinking Water	5.	45	0	0.00	10	0	0.00	24	0	0.00	11	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	5.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	1	0.09	2	0	0.00	6	0	0.00	3	1	0.33			
		Drinking Water	5.	11	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	46	0	0.00	11	0	0.00	24	0	0.00	11	0	0.00			
		Drinking Water	1300.	46	0	0.00	11	0	0.00	24	0	0.00	11	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	1300.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	1300.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	45	0	0.00	10	0	0.00	24	0	0.00	11	0	0.00			
		Drinking Water	15.	45	1	0.02	10	0	0.00	24	0	0.00	11	1	0.09			
01050	LEAD, SUSPENDED	Fresh Acute	82.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	15.	9	1	0.11	1	0	0.00	5	1	0.20	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	15.	11	1	0.09	2	0	0.00	6	1	0.17	3	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	45	0	0.00	11	0	0.00	25	0	0.00	9	0	0.00			
		Drinking Water	100.	45	0	0.00	11	0	0.00	25	0	0.00	9	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	100.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	100.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
		Drinking Water	100.	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
01076	SILVER, SUSPENDED	Fresh Acute	4.1	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	14	0	0.00	4	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	100.	14	0	0.00	4	0	0.00	7	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
		Drinking Water	5000.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	5000.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
		Drinking Water	50.	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	50.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	50.	12	0	0.00	3	0	0.00	6	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: PETE0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	94	10	0.11	25	4	0.16	44	6	0.14	25	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	46	0	0.00	10	0	0.00	24	0	0.00	12	0	0.00			
		Drinking Water	2.	46	0	0.00	10	0	0.00	24	0	0.00	12	0	0.00			
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	2.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	2.	12	0	0.00	3	0	0.00	6	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

Annual Analysis for 1977 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	1	1240.	1240.	1240.	1240.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	1	89.	89.	89.	89.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	1	29.	29.	29.	29.	0.	0.	**	**	**	**

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

Annual Analysis for 1978 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	10	18.5	17.2	27.5	3.5	77.678	8.813	3.55	8.875	25.5	27.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	12	695.	1381.5	5750.	311.	2489043.364	1577.67	316.4	446.5	2032.5	4841.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	7	9.	24.714	70.	4.	634.571	25.191	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	10	72.5	71.9	95.	51.	166.544	12.905	51.9	62.25	81.25	94.
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	10	9.05	9.91	14.1	7.	6.408	2.531	7.08	8.1	12.2	14.09
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	10	6.7	6.91	7.7	6.6	0.152	0.39	6.6	6.6	7.225	7.66
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	10	6.7	6.791	7.7	6.6	0.168	0.41	6.6	6.6	7.225	7.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	10	0.2	0.162	0.251	0.02	0.009	0.097	0.023	0.06	0.251	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	10	25.5	24.7	33.	10.	54.233	7.364	10.7	18.5	30.5	32.9
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	9	0.37	0.391	0.65	0.18	0.026	0.161	0.18	0.27	0.525	0.65
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	10	0.035	0.042	0.09	0.02	0.	0.02	0.021	0.03	0.053	0.087
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	10	0.01	0.016	0.06	0.005	0.	0.016	0.005	0.009	0.02	0.056
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	5	6.	5.2	7.3	3.	3.315	1.821	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	10	12.	12.15	16.	9.2	5.989	2.447	9.21	9.825	15.	15.9
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	9	100.	94.	100.	75.	79.	8.888	75.	88.	100.	100.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	9	20.	22.667	43.	8.	130.5	11.424	8.	14.	31.5	43.

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Annual Analysis for 1979 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	10	14.75	15.6	26.5	2.5	72.433	8.511	2.6	9.125	24.375	26.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	11	1080.	1366.091	2910.	342.	800784.091	894.865	351.6	575.	2260.	2860.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	10	13.	15.6	35.	1.	156.711	12.518	1.2	5.25	26.25	34.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	10	70.5	69.2	78.	59.	41.289	6.426	59.1	62.25	73.5	77.7
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	10	10.35	10.79	14.2	8.	4.183	2.045	8.12	9.35	12.25	14.2
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	10	7.1	7.05	7.5	6.4	0.121	0.347	6.43	6.775	7.35	7.5
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	10	7.1	6.918	7.5	6.4	0.14	0.374	6.43	6.775	7.35	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	10	0.079	0.121	0.398	0.032	0.012	0.111	0.032	0.045	0.169	0.378
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	10	21.	21.8	29.	17.	17.289	4.158	17.	18.5	25.	28.9
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	3	0.02	0.027	0.05	0.01	0.	0.021	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	10	0.355	0.391	0.69	0.26	0.019	0.139	0.262	0.288	0.478	0.677
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	3	0.09	0.077	0.1	0.04	0.001	0.032	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	10	0.035	0.038	0.06	0.02	0.	0.014	0.02	0.028	0.05	0.059
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	10	0.01	0.015	0.03	0.005	0.	0.008	0.006	0.01	0.02	0.029

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Annual Analysis for 1979 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	9	6.3	6.322	9.2	4.	2.112	1.453	4.	5.4	7.	9.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	10	13.	13.4	16.	11.	2.933	1.713	11.1	12.	15.	15.9
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	10	100.	95.5	100.	58.	174.5	13.21	61.9	99.25	100.	100.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	10	8.	11.9	39.	2.	113.211	10.64	2.2	5.5	14.75	36.8

** - 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 1980 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	6	20.75	16.833	26.	3.5	102.867	10.142	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	10	758.	773.5	1600.	96.	267840.944	517.534	112.8	309.	1265.	1571.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	6	9.25	10.133	25.	1.3	81.967	9.054	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	6	68.	69.5	92.	45.	276.7	16.634	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	6	9.2	10.	13.9	7.	9.516	3.085	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	6	6.45	6.717	7.4	6.2	0.29	0.538	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	6	6.447	6.517	7.4	6.2	0.337	0.581	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	6	0.357	0.304	0.631	0.04	0.053	0.23	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	6	25.5	23.167	30.	12.	47.367	6.882	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	6	0.03	0.025	0.04	0.	0.	0.016	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	6	0.265	0.342	0.59	0.23	0.021	0.146	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	6	0.2	0.278	0.7	0.08	0.056	0.237	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	6	0.045	0.047	0.09	0.02	0.001	0.028	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	6	0.02	0.017	0.03	0.	0.	0.01	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	5	5.7	5.98	8.9	3.5	4.097	2.024	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	6	15.5	14.817	19.	9.9	11.162	3.341	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	5	89.	83.8	100.	56.	278.7	16.694	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	5	5.	8.8	18.	3.	45.7	6.76	**	**	**	**

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Annual Analysis for 1981 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	3	5.	6.833	15.5	0.	62.583	7.911	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	7	375.	497.714	1060.	280.	79374.905	281.736	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	3	3.9	4.4	7.4	1.9	7.75	2.784	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	3	88.	88.333	90.	87.	2.333	1.528	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	3	10.6	11.1	12.9	9.8	2.59	1.609	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	3	7.6	7.367	7.8	6.7	0.343	0.586	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	3	7.6	7.096	7.8	6.7	0.453	0.673	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	3	0.025	0.08	0.2	0.016	0.011	0.103	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	3	0.03	0.053	0.11	0.02	0.002	0.049	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	3	0.29	0.28	0.4	0.15	0.016	0.125	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	3	0.1	0.127	0.2	0.08	0.004	0.064	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	3	0.02	0.02	0.03	0.01	0.	0.01	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	3	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	3	15.	16.333	19.	15.	5.333	2.309	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	3	97.	85.	100.	58.	549.	23.431	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	3	6.	18.	43.	5.	469.	21.656	**	**	**	**

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Annual Analysis for 1982 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	5	23.	20.	28.	12.	56.5	7.517	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	1	766.	766.	766.	766.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	5	655.	1148.	2360.	411.	832475.5	912.401	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	5	4.4	10.14	34.	2.2	179.938	13.414	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	5	81.	77.4	87.	62.	122.3	11.059	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	5	10.1	9.94	12.	8.	2.998	1.731	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	5	7.4	7.52	8.7	6.3	0.972	0.986	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	5	7.4	6.87	8.7	6.3	1.5	1.225	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	5	0.04	0.135	0.501	0.002	0.044	0.211	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	5	0.02	0.032	0.07	0.01	0.001	0.024	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	5	0.41	0.464	0.7	0.31	0.022	0.148	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	5 ##	0.05	0.08	0.2	0.05	0.005	0.067	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	5	0.03	0.036	0.06	0.02	0.	0.015	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	5	0.01	0.016	0.03	0.01	0.	0.009	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	5	13.	14.	18.	11.	8.5	2.915	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	5	95.	94.8	98.	90.	11.7	3.421	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	5	8.	9.	18.	4.	29.	5.385	**	**	**	**

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Annual Analysis for 1983 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	6	16.75	16.5	25.	7.	75.4	8.683	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	6	752.	752.167	758.	747.	14.167	3.764	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	6	457.	914.5	3200.	165.	1382002.7	1175.586	**	**	**	**
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	3	1.95	2.313	3.14	1.85	0.515	0.718	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	6	5.5	9.183	20.	3.7	49.194	7.014	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	6	75.5	69.333	105.	9.	1057.067	32.513	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	6	9.35	9.617	12.4	7.1	4.246	2.061	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.1	6.917	7.3	6.	0.254	0.504	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.089	6.613	7.3	6.	0.364	0.604	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	6	0.082	0.244	1.	0.05	0.14	0.375	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	6	0.06	0.067	0.12	0.02	0.002	0.047	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	6	0.4	0.933	3.4	0.1	1.587	1.26	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	6	0.2	0.258	0.6	0.05	0.042	0.206	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	6	0.045	0.045	0.06	0.02	0.	0.015	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	6	0.03	0.032	0.06	0.01	0.	0.018	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	6	0.025	0.023	0.04	0.005	0.	0.013	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	6	15.5	15.333	19.	12.	6.667	2.582	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	6	94.	89.5	100.	68.	140.3	11.845	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	6	8.	8.333	15.	3.	19.867	4.457	**	**	**	**

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Annual Analysis for 1984 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	6	14.75	15.75	27.	1.5	106.675	10.328	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	6	757.	756.5	770.	745.	81.9	9.05	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	6	819.	1781.	6600.	514.	5622622.	2371.207	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	6	5.9	19.333	75.	3.2	785.963	28.035	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	6	70.	72.833	94.	52.	206.567	14.372	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	6	10.4	10.183	14.8	7.2	7.874	2.806	**	**	**	**

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Annual Analysis for 1984 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.35	7.3	8.1	6.7	0.26	0.51	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.347	7.09	8.1	6.7	0.313	0.559	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	6	0.045	0.081	0.2	0.008	0.006	0.078	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	6	0.05	0.096	0.36	0.005	0.017	0.132	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	6	0.55	1.	3.5	0.2	1.54	1.241	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	6 ##	0.075	0.108	0.2	0.05	0.005	0.074	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	6	0.03	0.034	0.06	0.005	0.001	0.023	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	6 ##	0.005	0.013	0.04	0.005	0.	0.014	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	6 ##	0.013	0.014	0.03	0.005	0.	0.011	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	6	15.5	14.667	17.	10.	7.467	2.733	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	6	87.	82.333	96.	51.	299.867	17.317	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	6	11.	15.667	42.	5.	179.467	13.397	**	**	**	**

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Annual Analysis for 1985 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	6	16.75	15.083	26.	1.	110.242	10.5	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	6	748.5	749.833	760.	742.	37.367	6.113	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	5	1130.	3701.2	13300.	143.	30723827.7	5542.908	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	6	10.	14.8	40.	1.7	233.612	15.284	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	6	93.5	85.5	96.	65.	197.9	14.068	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	6	9.25	10.233	14.2	7.4	9.531	3.087	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.1	7.217	7.7	7.	0.066	0.256	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.1	7.167	7.7	7.	0.069	0.262	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	6	0.079	0.068	0.1	0.02	0.001	0.028	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	6	30.	29.	40.	17.	104.	10.198	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	6	0.05	0.05	0.1	0.01	0.001	0.03	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	6	0.55	0.483	0.8	0.1	0.062	0.248	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	6	0.15	0.15	0.3	0.05	0.01	0.1	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	6	0.03	0.036	0.08	0.005	0.001	0.027	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	6 ##	0.015	0.014	0.02	0.005	0.	0.007	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	6 ##	0.008	0.011	0.02	0.005	0.	0.007	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	6	13.5	14.	16.	13.	1.6	1.265	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	5	92.	91.	97.	83.	26.5	5.148	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	6	12.	24.	69.	2.	683.6	26.146	**	**	**	**

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Annual Analysis for 1986 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	5	12.	13.3	26.	3.5	97.075	9.853	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	5	12.	11.9	28.5	-1.5	172.925	13.15	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	5	755.	756.2	768.	749.	64.7	8.044	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	5	1210.	1176.2	2600.	95.	948117.2	973.713	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	5	4.5	7.84	22.	2.8	63.893	7.993	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	5	82.	84.8	102.	71.	133.7	11.563	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	5	10.1	10.56	13.9	7.1	8.408	2.9	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	5	7.1	7.04	7.3	6.7	0.058	0.241	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	5	7.1	6.985	7.3	6.7	0.062	0.249	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	5	0.079	0.104	0.2	0.05	0.004	0.061	**	**	**	**

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Annual Analysis for 1986 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	5	32.	29.2	38.	17.	64.7	8.044	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	5	0.03	0.032	0.05	0.02	0.	0.013	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	5 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	5	0.5	0.48	0.7	0.3	0.022	0.148	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	5	0.2	0.17	0.2	0.05	0.005	0.067	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	5	0.03	0.03	0.04	0.02	0.	0.007	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	5	0.02	0.017	0.03	0.005	0.	0.01	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	5 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	5	15.	14.8	17.	12.	3.2	1.789	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	5	94.	80.6	97.	48.	491.3	22.165	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	5	7.	8.	13.	4.	12.5	3.536	**	**	**	**

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

Annual Analysis for 1987 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	6	15.75	15.5	28.	4.	115.6	10.752	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	6	21.25	18.917	29.	7.5	80.942	8.997	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	6	752.5	753.333	761.	749.	19.467	4.412	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	6	623.	2364.333	7630.	115.	9932447.467	3151.579	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	6	6.1	7.55	19.	1.4	42.835	6.545	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	6	83.	84.667	103.	72.	127.867	11.308	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	6	10.75	10.15	13.5	6.1	11.719	3.423	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.05	6.967	7.3	6.5	0.079	0.28	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.047	6.884	7.3	6.5	0.087	0.295	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	6	0.09	0.131	0.316	0.05	0.01	0.098	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	5	27.	27.	42.	16.	120.5	10.977	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	6	0.045	0.042	0.07	0.01	0.	0.02	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	6 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	6	0.6	0.65	1.1	0.3	0.075	0.274	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	6	0.15	0.183	0.5	0.05	0.029	0.169	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	6	0.045	0.04	0.06	0.01	0.	0.018	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	6	0.02	0.022	0.03	0.01	0.	0.008	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	6 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	6	16.	15.833	18.	14.	2.567	1.602	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	6	88.	85.5	97.	66.	135.5	11.64	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	6	12.	12.333	20.	6.	27.867	5.279	**	**	**	**

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Annual Analysis for 1988 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	6	13.25	13.833	26.	3.	85.067	9.223	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	6	14.	14.583	29.5	-2.5	150.742	12.278	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	6	752.	753.667	765.	750.	32.267	5.68	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	6	436.	532.167	990.	215.	109671.367	331.167	**	**	**	**
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	3	2.85	2.993	3.6	2.53	0.302	0.549	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	6	4.2	5.95	17.	1.7	31.567	5.618	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	6	82.	80.167	89.	72.	46.567	6.824	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	6	9.85	10.2	14.2	6.9	8.18	2.86	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.1	7.067	7.5	6.7	0.087	0.294	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	6	7.089	6.989	7.5	6.7	0.094	0.307	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	6	0.082	0.103	0.2	0.032	0.004	0.064	**	**	**	**

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Annual Analysis for 1988 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	6	0.025	0.021	0.03	0.005	0.	0.011	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	6	0.01	0.013	0.02	0.005	0.	0.006	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	6	0.3	0.333	0.6	0.1	0.027	0.163	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	6	0.2	0.183	0.3	0.05	0.013	0.113	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	6	0.025	0.032	0.06	0.02	0.	0.016	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	6	0.015	0.016	0.03	0.005	0.	0.009	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	6 ##	0.005	0.012	0.03	0.005	0.	0.011	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	6	14.5	14.5	17.	13.	2.3	1.517	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	6	93.	92.833	97.	89.	7.367	2.714	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	6	6.	6.667	11.	4.	7.867	2.805	**	**	**	**

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Annual Analysis for 1989 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	24	22.05	18.696	28.	3.5	59.233	7.696	5.5	12.625	25.	25.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	25	22.	21.468	35.	6.5	60.592	7.784	7.9	15.5	27.1	31.1
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	25	760.	757.96	769.	746.	43.457	6.592	748.4	752.5	763.5	766.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	25	752.	1558.	4750.	227.	2215063.083	1488.309	386.8	510.	2770.	4568.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	5	2.97	3.22	4.52	2.73	0.546	0.739	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	13	9.	11.346	34.	3.6	73.001	8.544	3.92	5.15	15.5	28.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	25	78.	79.28	103.	38.	265.96	16.308	52.4	72.	90.5	100.
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	25	8.5	9.344	14.8	7.1	4.015	2.004	7.22	7.75	10.75	12.52
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	25	7.1	7.219	8.1	6.8	0.087	0.295	6.89	7.095	7.3	7.74
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	25	7.1	7.145	8.1	6.8	0.093	0.305	6.89	7.095	7.3	7.74
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	25	0.079	0.072	0.158	0.008	0.001	0.037	0.018	0.05	0.08	0.131
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	18	27.5	27.444	35.	20.	20.026	4.475	20.9	23.75	30.5	35.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-02/24/94	21	7.	7.857	15.	2.	15.629	3.953	3.2	4.5	10.5	14.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-02/24/94	21	3.	3.048	12.	1.	6.248	2.5	1.	1.	4.	5.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-02/24/94	19	5.	5.211	12.	1.	9.287	3.047	2.	3.	8.	10.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	25	0.05	0.058	0.13	0.005	0.001	0.034	0.02	0.035	0.07	0.12
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	25 ##	0.005	0.015	0.18	0.005	0.001	0.035	0.005	0.005	0.01	0.024
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-03/14/94	20	0.135	0.157	0.53	0.02	0.014	0.12	0.02	0.093	0.188	0.327
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	25	0.4	0.424	0.6	0.3	0.008	0.088	0.3	0.35	0.5	0.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	25	0.2	0.168	0.5	0.02	0.013	0.116	0.038	0.095	0.2	0.34
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	25	0.03	0.037	0.1	0.004	0.	0.018	0.02	0.03	0.045	0.054
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	25	0.01	0.014	0.04	0.005	0.	0.009	0.005	0.005	0.02	0.024
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	25	0.01	0.013	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.024
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	20	6.65	6.73	9.1	4.9	2.258	1.503	4.91	5.2	8.25	8.77
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	25	15.	15.156	18.	8.4	5.238	2.289	12.	14.	17.	18.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	6	95.5	96.	100.	93.	6.8	2.608	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	6	7.5	6.833	9.	3.	5.767	2.401	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	63	14.3	15.117	28.5	1.	48.814	6.987	4.5	10.4	19.5	24.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	53	16.	16.683	34.	3.5	56.248	7.5	6.2	11.5	21.1	28.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	63	755.	755.476	773.	743.	39.189	6.26	748.4	750.	760.	762.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	53	2450.	2859.302	7650.	123.	5344581.907	2311.835	277.2	906.	4945.	6450.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	15	3.67	3.515	3.93	2.43	0.19	0.436	2.466	3.65	3.67	3.774
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	8	13.3	16.463	57.	1.7	324.328	18.009	**	**	**	**

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Annual Analysis for 1990 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	62	79.	82.387	135.	52.	205.094	14.321	67.9	75.	86.	103.5
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	61	10.1	10.185	13.6	6.3	2.566	1.602	7.56	9.6	10.95	12.
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	63	7.1	7.218	8.2	6.3	0.303	0.551	6.58	6.8	7.6	8.1
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	63	7.1	6.95	8.2	6.3	0.376	0.613	6.58	6.8	7.6	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	63	0.079	0.112	0.501	0.006	0.014	0.117	0.008	0.025	0.158	0.27
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	36	25.	25.722	41.	17.	32.835	5.73	18.	21.	30.	33.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-02/24/94	51	10.	11.961	50.	0.5	122.228	11.056	2.2	4.	15.	29.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-02/24/94	51	3.	3.882	18.	0.5	14.626	3.824	0.5	1.	4.	7.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-02/24/94	44	5.5	9.489	43.	0.5	101.541	10.077	0.5	2.	13.	26.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	52	0.05	0.052	0.18	0.01	0.001	0.033	0.02	0.02	0.078	0.097
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	53 ##	0.005	0.014	0.39	0.005	0.003	0.053	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-03/14/94	44	0.16	0.176	0.42	0.005	0.011	0.104	0.055	0.087	0.23	0.345
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	53	0.4	0.394	0.8	0.03	0.019	0.138	0.27	0.3	0.5	0.6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	53	0.2	0.186	0.4	0.02	0.012	0.109	0.05	0.075	0.25	0.36
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	53	0.04	0.048	0.14	0.005	0.001	0.026	0.02	0.03	0.06	0.08
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	49	0.01	0.012	0.04	0.005	0.	0.008	0.005	0.005	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	53	0.01	0.013	0.08	0.005	0.	0.012	0.005	0.005	0.02	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	50	4.7	5.066	11.4	3.1	2.579	1.606	3.41	3.975	5.8	7.29
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	51	14.	14.353	18.5	9.8	4.325	2.08	12.	13.	16.	17.48
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	15	83.	82.2	100.	62.	121.171	11.008	63.2	77.	91.	98.8
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	15	8.	9.533	20.	3.	15.552	3.944	5.4	8.	10.	17.6

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

Annual Analysis for 1991 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	60	13.	15.585	28.	5.	67.449	8.213	5.51	7.875	25.425	25.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	50	15.	15.696	35.	4.	69.672	8.347	5.1	9.	20.25	29.9
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	50	760.	759.62	774.	739.	67.261	8.201	750.	754.	765.	770.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	60	808.	1928.5	8450.	133.	5190541.61	2278.276	167.	174.5	3027.5	6258.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	42	3.08	3.496	8.86	1.78	3.508	1.873	1.82	1.82	4.27	6.013
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	7	4.9	8.914	24.	2.	82.668	9.092	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	60	84.5	82.833	97.	58.	98.04	9.901	72.	76.	92.75	94.9
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	58	10.45	9.755	13.8	6.6	5.387	2.321	6.6	7.275	11.725	12.24
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	60	7.3	7.2	7.8	6.41	0.072	0.268	6.8	7.023	7.4	7.4
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	60	7.3	7.109	7.8	6.41	0.08	0.284	6.8	7.022	7.4	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	60	0.05	0.078	0.389	0.016	0.004	0.062	0.04	0.04	0.095	0.158
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-02/24/94	50	7.5	10.64	49.	0.5	94.204	9.706	1.5	1.5	16.25	25.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-02/24/94	50	2.	2.45	8.	0.5	3.084	1.756	0.55	1.375	3.	4.9
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-02/24/94	41	6.	8.646	26.	1.5	48.903	6.993	1.5	3.	13.	19.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	50	0.05	0.049	0.22	0.02	0.001	0.032	0.02	0.02	0.06	0.07
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	50 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.019
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-03/14/94	41	0.14	0.154	0.47	0.02	0.011	0.103	0.021	0.075	0.205	0.308
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	50	0.4	0.45	1.1	0.3	0.026	0.162	0.3	0.3	0.5	0.6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	50	0.1	0.159	0.5	0.02	0.013	0.116	0.027	0.06	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	50	0.05	0.053	0.12	0.01	0.001	0.027	0.021	0.03	0.063	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	47	0.01	0.014	0.04	0.005	0.	0.007	0.005	0.01	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	50	0.01	0.011	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	48	5.4	5.898	11.6	1.1	4.761	2.182	3.79	4.45	7.6	9.04
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	50	14.	13.784	16.8	9.5	3.3	1.817	10.5	13.	15.	15.8
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	16	96.5	95.938	100.	89.	8.329	2.886	91.1	94.	98.	100.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	16	5.	6.188	11.	4.	4.429	2.105	4.	5.	7.	10.3

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

Annual Analysis for 1992 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	60	13.	14.745	26.5	5.	55.273	7.435	5.37	7.5	22.5	24.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	60	17.	15.042	30.	-1.	66.477	8.153	5.	8.	22.	26.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	60	760.	759.617	772.	743.	23.732	4.872	754.1	756.	762.5	766.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	60	742.	1866.05	8940.	97.	4864749.133	2205.618	332.3	443.	2907.5	4792.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	55	3.17	4.003	9.2	1.63	3.563	1.888	2.266	2.71	5.63	6.662
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	6	2.65	5.4	19.	2.	44.66	6.683	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	60	86.5	85.833	105.	60.	104.955	10.245	67.	80.	93.75	98.
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	60	10.4	10.142	13.5	6.7	4.42	2.102	7.11	8.2	12.175	12.96
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	60	7.2	7.287	7.81	6.12	0.147	0.383	6.81	7.	7.7	7.789
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	60	7.2	7.106	7.81	6.12	0.18	0.424	6.81	7.	7.7	7.789
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	60	0.063	0.078	0.759	0.015	0.01	0.102	0.016	0.02	0.1	0.155
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-02/24/94	48	7.5	12.021	38.	1.	116.595	10.798	1.5	4.	17.	31.1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-02/24/94	48	3.	3.438	25.	0.	17.709	4.208	0.95	1.	4.75	6.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-02/24/94	40	5.	8.975	32.	1.	81.333	9.018	1.	2.	13.75	25.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	47	0.04	0.046	0.09	0.02	0.	0.02	0.02	0.03	0.06	0.08
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	47 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-03/14/94	40	0.15	0.156	0.31	0.04	0.005	0.072	0.07	0.103	0.19	0.278
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	47	0.4	0.437	0.8	0.05	0.027	0.163	0.3	0.3	0.5	0.7
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	47	0.2	0.164	0.3	0.04	0.006	0.079	0.068	0.1	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	47	0.05	0.056	0.17	0.005	0.002	0.041	0.01	0.03	0.07	0.13
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	46	0.01	0.014	0.04	0.005	0.	0.01	0.005	0.005	0.02	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	47 ##	0.005	0.01	0.04	0.005	0.	0.009	0.005	0.005	0.01	0.022
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	48	5.7	6.798	19.8	1.9	12.486	3.534	3.1	4.725	8.4	11.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	48	14.5	14.002	17.	9.7	3.927	1.982	10.94	12.85	15.35	16.42
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	17	93.	87.059	100.	0.	538.809	23.212	60.	87.5	97.	98.4
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	17	4.	4.471	6.	1.	1.64	1.281	2.6	4.	5.5	6.

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

Annual Analysis for 1993 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	64	11.25	13.689	30.	4.	59.018	7.682	6.	7.	22.3	25.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	64	13.	14.531	36.	1.	76.269	8.733	4.	7.	22.	27.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	64	765.	739.125	780.	7.	17472.619	132.184	751.	756.5	767.	770.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	40	4065.	4449.65	12300.	16.	12617448.695	3552.105	92.	1005.	7075.	10884.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	64	6.145	14.226	578.	1.01	5134.531	71.656	1.61	1.753	7.753	9.865
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	41	29.	44.512	144.	0.	1781.4	42.207	1.9	5.3	76.5	110.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	64	77.5	78.391	115.	42.	381.956	19.544	53.	63.	98.	102.
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	64	10.75	9.861	13.6	4.3	6.239	2.498	6.3	7.3	11.85	12.65
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	64	6.89	6.943	8.13	6.29	0.131	0.362	6.56	6.7	7.1	7.5
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	64	6.89	6.829	8.13	6.29	0.145	0.38	6.56	6.7	7.1	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	64	0.129	0.148	0.513	0.007	0.009	0.097	0.032	0.079	0.2	0.277
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-02/24/94	49	14.	19.939	79.	1.5	385.35	19.63	1.5	7.	27.	56.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-02/24/94	49	3.	4.429	16.	1.	12.083	3.476	1.5	2.	6.	11.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-02/24/94	47	10.	14.936	59.	1.	226.496	15.05	1.5	4.	21.	37.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	53	0.05	0.051	0.12	0.02	0.001	0.028	0.02	0.02	0.07	0.096
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	53 ##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-03/14/94	51	0.18	0.171	0.31	0.02	0.005	0.073	0.07	0.13	0.22	0.26
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	53	0.5	0.496	0.9	0.2	0.022	0.148	0.3	0.4	0.6	0.7
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	53	0.2	0.18	0.3	0.02	0.006	0.079	0.074	0.1	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	53	0.08	0.087	0.2	0.02	0.002	0.048	0.03	0.045	0.12	0.15
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	51	0.02	0.017	0.04	0.005	0.	0.008	0.01	0.01	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	53	0.01	0.013	0.04	0.005	0.	0.008	0.005	0.01	0.02	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	48	8.95	8.829	15.6	3.2	12.007	3.465	4.27	5.725	12.1	13.5
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	53	12.	12.04	17.5	6.4	9.303	3.05	7.92	9.4	14.25	16.12
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	10	57.5	51.8	67.	17.	207.289	14.398	19.4	44.75	61.	66.4

** - 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 PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	10	3.5	4.2	10.	2.	5.067	2.251	2.1	3.	5.	9.5

** - 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 1994 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	27	7.	7.863	19.5	1.	30.769	5.547	2.	3.	12.	18.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	27	11.	11.852	26.	1.5	52.554	7.249	3.6	7.	15.	25.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	27	763.	762.296	780.	720.	128.14	11.32	751.8	757.	769.	775.4
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	27	6.89	6.746	10.95	3.24	5.556	2.357	3.56	4.82	8.41	10.322
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	9	15.9	15.489	22.	3.5	35.266	5.939	3.5	11.85	21.	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	26	64.	90.231	761.	45.	18827.785	137.214	49.4	55.25	75.25	79.9
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	25	12.2	12.108	14.2	9.5	2.162	1.471	9.86	10.75	13.55	13.94
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	25	7.3	7.159	7.8	5.6	0.235	0.485	6.46	7.	7.45	7.62
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	25	7.3	6.715	7.8	5.6	0.44	0.663	6.46	7.	7.45	7.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	25	0.05	0.193	2.512	0.016	0.257	0.507	0.025	0.036	0.1	0.437
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-02/24/94	10	13.5	13.6	23.	7.	32.489	5.7	7.1	8.	18.75	22.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-02/24/94	10	2.	8.	58.	1.	309.778	17.601	1.1	2.	3.5	52.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-02/24/94	10	11.	10.9	18.	6.	20.544	4.533	6.	6.	15.25	17.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	17	0.016	0.025	0.111	0.005	0.001	0.026	0.005	0.009	0.028	0.07
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	18	0.003	0.003	0.005	0.002	0.	0.001	0.002	0.003	0.003	0.005
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-03/14/94	18	0.21	0.206	0.27	0.15	0.002	0.043	0.15	0.16	0.24	0.261
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	18	0.4	0.367	0.5	0.2	0.009	0.097	0.2	0.3	0.425	0.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	18	0.2	0.217	0.3	0.2	0.001	0.038	0.2	0.2	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	18	0.065	0.064	0.11	0.03	0.	0.019	0.039	0.05	0.073	0.092
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	18	0.025	0.026	0.04	0.01	0.	0.008	0.019	0.02	0.03	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	18	0.01	0.012	0.021	0.008	0.	0.004	0.008	0.008	0.014	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	10	4.5	4.78	6.2	3.6	0.748	0.865	3.63	4.125	5.575	6.16
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	17	10.6	11.1	15.8	7.	7.238	2.69	7.4	8.75	13.	15.48

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	89	25.2	24.437	30.	14.5	7.717	2.778	21.5	22.65	26.	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	62	24.5	24.987	35.	13.	26.538	5.152	18.3	22.	29.125	31.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	68	759.5	759.559	772.	747.	44.608	6.679	750.	754.25	765.75	767.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	82	282.5	774.988	4750.	16.	1364007.889	1167.907	117.4	163.5	675.5	2831.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	41	1.82	1.86	3.52	1.01	0.206	0.454	1.57	1.61	1.835	2.686
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	38	4.4	9.576	70.	1.3	188.416	13.726	1.99	2.8	9.925	30.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	90	91.	88.356	115.	38.	174.659	13.216	72.	79.75	98.	102.9
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	89	7.1	7.315	10.2	4.3	0.996	0.998	6.3	6.6	8.	8.6
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	90	7.1	7.104	8.3	6.	0.143	0.378	6.7	6.8	7.4	7.5
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	90	7.1	6.931	8.3	6.	0.173	0.416	6.7	6.8	7.4	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	90	0.079	0.117	1.	0.005	0.019	0.139	0.032	0.04	0.158	0.2
00403	PH, LAB, STANDARD UNITS SU	01/13/81-11/19/92	23	7.4	7.417	8.2	6.9	0.149	0.386	6.9	7.	7.7	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	01/13/81-11/19/92	23	7.4	7.274	8.2	6.9	0.17	0.413	6.9	7.	7.7	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/13/81-11/19/92	23	0.04	0.053	0.126	0.006	0.002	0.04	0.011	0.02	0.1	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	33	29.	29.091	42.	20.	35.398	5.95	20.4	24.	34.	37.2
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/24/87-04/29/94	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/24/87-04/29/94	5	33.	35.2	48.	28.	66.7	8.167	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	63	0.04	0.047	0.13	0.	0.001	0.033	0.02	0.02	0.06	0.106
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/28/77-11/19/92	18	0.03	0.038	0.13	0.005	0.001	0.028	0.01	0.02	0.053	0.067
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	51 ##	0.005	0.02	0.39	0.005	0.003	0.058	0.005	0.005	0.01	0.02
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/28/77-08/26/91	11	0.28	0.352	0.96	0.1	0.056	0.236	0.116	0.2	0.46	0.868
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	69	0.4	0.446	1.1	0.18	0.025	0.159	0.3	0.3	0.5	0.65
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/28/77-11/19/92	12	0.18	0.235	0.65	0.09	0.028	0.167	0.093	0.113	0.345	0.572
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	63	0.2	0.203	0.7	0.02	0.025	0.158	0.028	0.08	0.3	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	69	0.04	0.038	0.1	0.004	0.	0.017	0.02	0.03	0.05	0.06
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	69	0.02	0.019	0.06	0.005	0.	0.012	0.005	0.01	0.02	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	59	0.01	0.014	0.04	0.005	0.	0.009	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	50	6.05	6.406	15.3	1.9	4.124	2.031	4.14	5.375	7.575	8.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/28/77-11/05/85	12	25.	24.417	29.	20.	12.811	3.579	20.	20.25	27.75	28.7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/28/77-11/19/92	26	6.55	6.519	10.	4.5	2.132	1.46	4.6	5.25	7.05	8.87
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/28/77-11/19/92	26	2.8	2.812	3.5	1.9	0.228	0.478	2.	2.5	3.225	3.43
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/28/77-11/19/92	26	4.8	4.623	6.	2.6	0.777	0.882	3.41	3.875	5.3	5.76
00931	SODIUM ADSORPTION RATIO	12/28/77-11/05/85	12	0.4	0.392	0.5	0.3	0.004	0.067	0.3	0.325	0.4	0.5
00932	SODIUM, PERCENT	12/28/77-11/05/85	12	25.5	25.333	31.	20.	9.333	3.055	20.6	22.5	27.75	30.1
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/28/77-11/19/92	26	2.3	2.258	3.4	0.6	0.284	0.533	1.64	1.975	2.525	2.86
00940	CHLORIDE,TOTAL IN WATER MG/L	12/28/77-11/19/92	26	4.	3.846	5.	3.	0.455	0.675	3.	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/28/77-11/19/92	26	4.5	5.808	15.	3.	9.442	3.073	3.	4.	9.	10.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/28/77-11/19/92	26	0.1	0.106	0.2	0.05	0.001	0.038	0.05	0.1	0.1	0.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	69	15.	15.119	19.	8.4	4.255	2.063	12.	14.	16.7	17.5
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/28/77-08/26/91	11 ##	0.5	0.682	2.	0.5	0.214	0.462	0.5	0.5	0.5	1.8
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/28/77-11/19/92	12	23.	31.167	100.	15.	572.697	23.931	15.	16.5	34.5	85.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/28/77-08/26/91	10 ##	0.5	0.45	0.5	0.	0.025	0.158	0.05	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/28/77-08/26/91	11 ##	1.	2.136	10.	0.5	8.805	2.967	0.5	0.5	3.	9.
01035	COBALT, DISSOLVED (UG/L AS CO)	12/28/77-11/19/92	12 ##	1.5	1.208	1.5	0.	0.339	0.582	0.	1.125	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	12/28/77-08/26/91	11	1.	1.727	4.	1.	1.018	1.009	1.	1.	2.	3.8
01046	IRON, DISSOLVED (UG/L AS FE)	12/28/77-11/19/92	12	880.	1146.833	3400.	42.	1120040.333	1058.32	86.4	252.5	1975.	3100.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/28/77-08/26/91	10 ##	1.	1.75	5.	0.5	2.181	1.477	0.5	0.5	2.625	4.8
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/28/77-11/19/92	10	140.	230.5	690.	10.	60190.5	245.338	11.9	37.25	455.	680.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-11/19/92	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-11/19/92	11 ##	0.5	0.591	1.	0.	0.091	0.302	0.1	0.5	1.	1.
01075	SILVER, DISSOLVED (UG/L AS AG)	12/28/77-11/19/92	12 ##	0.5	0.417	0.5	0.	0.038	0.195	0.	0.5	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-11/19/92	9	55.	59.	73.	49.	95.	9.747	49.	51.	70.5	73.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-11/19/92	9 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/28/77-08/26/91	11	2.	5.5	23.	0.	51.2	7.155	0.	1.5	8.	21.2
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-11/19/92	9	20.	39.444	100.	5.	1684.028	41.037	5.	5.	90.	100.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-11/19/92	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/28/77-11/19/92	12 ##	0.5	0.458	0.5	0.	0.021	0.144	0.15	0.5	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	25	30.	152.8	1900.	2.	143567.583	378.903	11.	21.	128.	364.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	25	1.477	1.677	3.279	0.301	0.378	0.615	1.03	1.322	2.107	2.551

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			47.571								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	25	146.	331.	2100.	18.	251976.333	501.972	21.4	46.5	400.	1164.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	25	2.164	2.143	3.322	1.255	0.348	0.59	1.329	1.66	2.597	3.054
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			138.889								
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/24/87-04/29/94	5	27.	29.	39.	23.	43.5	6.595	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/28/77-11/19/92	25	67.	65.92	90.	40.	92.243	9.604	55.8	61.	70.5	77.4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/28/77-11/05/85	12	54.5	53.167	64.	43.	42.697	6.534	43.9	47.25	57.75	63.1
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	46	92.	82.565	100.	17.	420.829	20.514	51.7	65.5	98.	100.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/09/79-11/05/85	12	0.105	0.11	0.18	0.03	0.003	0.053	0.039	0.06	0.173	0.18
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/28/77-08/26/91	10 ##	0.05	0.09	0.25	0.05	0.005	0.074	0.05	0.05	0.125	0.245
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	46	5.	8.196	43.	2.	66.339	8.145	3.	4.	10.	17.3
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/28/77-11/05/85	10	14.	27.38	104.	1.	1147.453	33.874	1.08	2.55	52.5	99.6

** - 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: 10/16 to 3/09 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	161	7.	7.459	21.3	0.	14.379	3.792	3.	5.	10.	12.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	138	8.5	9.152	25.	-2.5	27.677	5.261	4.	6.	12.125	16.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	148	760.	749.649	780.	7.	7614.393	87.26	748.9	754.	765.	769.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	136	1510.	2828.007	13300.	147.	7835764.185	2799.244	358.4	746.	4525.	6516.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	96	5.2	11.428	578.	1.67	3420.858	58.488	2.504	3.29	7.297	9.599
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/28/77-01/25/93	13	25.	26.462	65.	0.	632.769	25.155	0.	0.	47.5	64.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	77	18.	27.812	144.	1.	1061.202	32.576	3.	6.1	27.	79.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	159	80.	82.868	761.	9.	3205.179	56.614	57.	69.	90.	97.
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	157	12.1	11.985	14.8	6.7	1.95	1.397	10.36	11.	13.	13.8
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	160	7.1	7.079	8.13	5.6	0.145	0.38	6.7	6.878	7.3	7.5
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	160	7.1	6.886	8.13	5.6	0.182	0.427	6.7	6.878	7.3	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	160	0.079	0.13	2.512	0.007	0.049	0.221	0.032	0.05	0.133	0.2
00403	PH, LAB, STANDARD UNITS SU	01/13/81-11/19/92	51	7.3	7.267	8.2	6.5	0.185	0.431	6.7	6.9	7.6	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	01/13/81-11/19/92	51	7.3	7.068	8.2	6.5	0.226	0.475	6.7	6.9	7.6	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/13/81-11/19/92	51	0.05	0.085	0.316	0.006	0.007	0.084	0.016	0.025	0.126	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	36	23.5	23.056	34.	10.	36.511	6.042	16.7	17.25	28.	32.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/24/87-04/29/94	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/24/87-04/29/94	16	31.5	30.188	39.	19.	38.563	6.21	19.7	25.	35.75	37.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	151	0.05	0.048	0.18	0.005	0.001	0.029	0.02	0.02	0.07	0.08
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/28/77-11/19/92	33	0.04	0.038	0.08	0.005	0.	0.021	0.01	0.02	0.055	0.066
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	137 ##	0.005	0.006	0.02	0.002	0.	0.003	0.004	0.005	0.005	0.01
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/28/77-08/26/91	11	0.3	0.3	0.54	0.1	0.018	0.134	0.106	0.21	0.39	0.528
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	158	0.4	0.441	3.4	0.1	0.081	0.284	0.29	0.3	0.5	0.609
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/28/77-11/19/92	18	0.165	0.156	0.3	0.025	0.006	0.077	0.048	0.085	0.208	0.264
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	153	0.2	0.178	0.4	0.02	0.008	0.087	0.05	0.1	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	159	0.05	0.06	0.2	0.005	0.002	0.039	0.02	0.03	0.08	0.12
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	154	0.01	0.015	0.04	0.	0.	0.009	0.005	0.01	0.02	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	148	0.01	0.012	0.08	0.005	0.	0.01	0.005	0.005	0.015	0.022
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	126	5.25	6.318	15.6	1.1	8.941	2.99	3.5	4.2	7.65	11.43
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/28/77-11/05/85	17	24.	23.	29.	15.	16.875	4.108	15.8	20.	26.	28.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/28/77-11/19/92	44	5.8	5.72	7.3	3.5	0.932	0.966	4.5	4.9	6.5	6.95
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/28/77-11/19/92	44	2.5	2.489	3.3	1.5	0.218	0.467	1.85	2.2	2.8	3.15
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/28/77-11/19/92	44	5.	4.873	6.	2.9	0.579	0.761	3.95	4.425	5.4	5.85
00931	SODIUM ADSORPTION RATIO	12/28/77-11/05/85	17	0.4	0.435	0.5	0.3	0.005	0.07	0.3	0.4	0.5	0.5
00932	SODIUM, PERCENT	12/28/77-11/05/85	17	29.	29.706	39.	24.	17.971	4.239	25.6	26.5	30.5	38.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/28/77-11/19/92	44	2.05	2.182	3.7	1.2	0.308	0.555	1.55	1.8	2.675	3.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/28/77-11/19/92	44	5.	4.659	6.	3.	0.509	0.713	4.	4.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/28/77-11/19/92	44	7.	8.227	16.	4.	6.877	2.622	5.	7.	9.75	12.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/28/77-11/19/92	44	0.1	0.091	0.2	0.05	0.002	0.046	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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	159	14.5	13.873	19.	6.5	6.687	2.586	10.	12.2	15.8	17.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/28/77-08/26/91	24 ##	0.5	0.604	1.	0.	0.065	0.254	0.5	0.5	0.875	1.
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/28/77-11/19/92	27	24.	27.778	83.	13.	209.026	14.458	16.8	18.	31.	50.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/28/77-08/26/91	24 ##	0.5	0.729	2.	0.	0.304	0.551	0.25	0.5	1.	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/28/77-08/26/91	24 ##	0.5	2.896	30.	0.	40.891	6.395	0.5	0.5	1.75	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	12/28/77-11/19/92	27 ##	1.5	1.259	3.	0.	0.449	0.67	0.	1.5	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	12/28/77-08/26/91	24	2.	2.313	5.	0.5	1.865	1.366	1.	1.	3.75	4.5
01046	IRON, DISSOLVED (UG/L AS FE)	12/28/77-11/19/92	27	240.	217.852	490.	5.	21821.823	147.722	31.8	63.	310.	480.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/28/77-08/26/91	24 ##	2.5	2.771	11.	0.	6.673	2.583	0.5	0.5	4.75	5.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/28/77-11/19/92	27	30.	30.963	76.	7.	367.96	19.182	8.	13.	42.	58.2
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-11/19/92	21 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-11/19/92	25	1.	1.84	20.	0.	14.994	3.872	0.3	0.5	1.	3.
01075	SILVER, DISSOLVED (UG/L AS AG)	12/28/77-11/19/92	27 ##	0.5	0.426	0.5	0.	0.033	0.181	0.	0.5	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-11/19/92	21	43.	44.429	59.	29.	64.857	8.053	31.6	40.5	51.	55.4
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-11/19/92	21 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/28/77-08/26/91	24	5.5	6.104	30.	0.	41.739	6.461	0.75	1.5	8.75	13.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-11/19/92	21	50.	60.238	170.	5.	2381.19	48.797	10.	20.	85.	156.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-11/19/92	21 ##	2.	3.238	23.	2.	21.09	4.592	2.	2.	2.	4.8
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/28/77-11/19/92	27 ##	0.5	0.463	0.5	0.	0.018	0.133	0.4	0.5	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	44	16.	192.761	5500.	0.	689944.413	830.629	1.5	9.25	44.25	385.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	44	1.204	1.293	3.74	-0.301	0.66	0.813	0.151	0.966	1.632	2.569
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			19.614								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	43	16.	270.105	5600.	0.	875588.9	935.729	2.	6.	180.	328.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	43	1.204	1.449	3.748	0.	0.825	0.909	0.301	0.778	2.255	2.515
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			28.135								
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/24/87-04/29/94	16	26.	25.	32.	16.	25.733	5.073	16.7	20.75	29.75	31.3
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/28/77-11/19/92	44	63.	62.773	79.	43.	69.622	8.344	51.	58.	68.	72.5
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/28/77-11/05/85	16	54.	53.375	63.	37.	60.25	7.762	37.7	50.	60.75	62.3
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	42	94.5	91.714	100.	48.	131.916	11.485	80.3	91.75	97.25	100.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/09/79-11/05/85	13	0.09	0.131	0.28	0.03	0.006	0.079	0.042	0.06	0.18	0.268
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/28/77-08/26/91	24 ##	0.05	0.1	0.7	0.05	0.02	0.14	0.05	0.05	0.088	0.25
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	44	9.5	14.068	69.	1.	191.553	13.84	4.5	6.	16.	40.5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/28/77-11/05/85	12	34.5	77.536	306.	0.13	8392.313	91.61	1.681	14.25	114.25	271.5

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Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/77-04/29/94	118	18.	17.064	28.	7.	26.077	5.107	9.97	13.	21.	23.05
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/30/86-04/29/94	96	19.5	18.818	36.	3.5	38.597	6.213	10.35	15.	22.	27.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/16/82-04/29/94	109	758.	757.156	780.	741.	51.114	7.149	749.	751.	761.	766.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/28/77-09/27/93	100	1295.	2557.37	11150.	236.	6290020.902	2507.991	424.6	742.	4042.5	6826.
00065	STAGE, STREAM (FEET)	06/08/83-04/29/94	77	3.67	4.818	10.47	2.31	4.751	2.18	2.668	3.17	6.575	8.07
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/28/77-01/25/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/18/78-02/24/94	35	6.	19.051	120.	0.	739.918	27.201	1.7	2.6	25.	61.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/77-04/29/94	118	75.	74.424	105.	42.	126.434	11.244	59.8	66.	83.	87.
00300	OXYGEN, DISSOLVED MG/L	12/28/77-04/29/94	117	10.	9.815	12.8	7.5	1.381	1.175	8.1	9.1	10.65	11.3
00400	PH (STANDARD UNITS)	12/28/77-04/29/94	117	7.2	7.265	8.7	6.3	0.259	0.509	6.6	6.85	7.7	8.1
00400	CONVERTED PH (STANDARD UNITS)	12/28/77-04/29/94	117	7.2	7.018	8.7	6.3	0.32	0.566	6.6	6.85	7.7	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/77-04/29/94	117	0.063	0.096	0.501	0.002	0.01	0.1	0.008	0.02	0.141	0.251
00403	PH, LAB, STANDARD UNITS SU	01/13/81-11/19/92	35	7.2	7.303	8.2	6.4	0.231	0.481	6.7	6.9	7.7	8.04
00403	CONVERTED PH, LAB, STANDARD UNITS	01/13/81-11/19/92	35	7.2	7.071	8.2	6.4	0.287	0.536	6.7	6.9	7.7	8.04
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/13/81-11/19/92	35	0.063	0.085	0.398	0.006	0.008	0.09	0.009	0.02	0.126	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/28/77-09/11/90	29	27.	25.69	41.	17.	37.936	6.159	18.	20.	29.5	32.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/24/87-04/29/94	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/24/87-04/29/94	12	28.	30.083	40.	21.	36.811	6.067	21.9	25.5	35.75	39.7

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Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-03/14/94	82	0.04	0.049	0.36	0.005	0.002	0.046	0.02	0.02	0.06	0.087
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/28/77-11/19/92	19	0.04	0.043	0.08	0.005	0.	0.021	0.02	0.03	0.07	0.07
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/05/85-03/14/94	76 ##	0.005	0.007	0.02	0.002	0.	0.004	0.005	0.005	0.005	0.01
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/28/77-08/26/91	7	0.31	0.311	0.43	0.21	0.007	0.084	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/25/78-03/14/94	87	0.4	0.488	3.5	0.03	0.137	0.37	0.3	0.38	0.59	0.72
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/28/77-11/19/92	11	0.07	0.091	0.23	0.03	0.004	0.06	0.032	0.05	0.13	0.216
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/79-03/14/94	82	0.1	0.146	0.4	0.04	0.006	0.079	0.05	0.078	0.2	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/28/77-03/14/94	88	0.05	0.056	0.17	0.005	0.001	0.035	0.02	0.03	0.078	0.111
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/28/77-03/14/94	83	0.01	0.014	0.04	0.005	0.	0.008	0.005	0.01	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/81-03/14/94	81	0.01	0.009	0.03	0.005	0.	0.006	0.005	0.005	0.01	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/25/78-02/24/94	68	5.9	6.896	19.8	2.2	10.396	3.224	3.88	4.725	8.625	11.42
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/28/77-11/05/85	9	22.	22.222	27.	18.	9.194	3.032	18.	20.	25.	27.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/28/77-11/19/92	23	5.6	5.722	7.6	4.1	0.779	0.883	4.58	5.2	6.5	7.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/28/77-11/19/92	23	2.5	2.57	3.6	1.9	0.191	0.437	2.	2.3	2.9	3.16
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/28/77-11/19/92	23	4.3	4.5	6.3	3.1	0.601	0.775	3.48	4.	5.1	5.7
00931	SODIUM ADSORPTION RATIO	12/28/77-11/05/85	9	0.4	0.378	0.4	0.3	0.002	0.044	0.3	0.35	0.4	0.4
00932	SODIUM, PERCENT	12/28/77-11/05/85	9	27.	26.444	30.	23.	5.528	2.351	23.	24.5	28.5	30.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/28/77-11/19/92	23	1.8	1.813	2.3	1.4	0.056	0.236	1.54	1.6	1.9	2.26
00940	CHLORIDE,TOTAL IN WATER MG/L	12/28/77-11/19/92	23	4.	3.783	6.	3.	0.632	0.795	3.	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/28/77-11/19/92	23	5.	6.	10.	4.	2.636	1.624	4.4	5.	7.	9.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/28/77-11/19/92	23	0.1	0.096	0.2	0.05	0.001	0.03	0.05	0.1	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/28/77-03/14/94	86	12.65	12.156	17.	6.4	4.073	2.018	9.5	10.6	13.1	14.53
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/28/77-08/26/91	12 ##	0.75	1.	4.	0.5	0.955	0.977	0.5	0.5	1.	3.1
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/28/77-11/19/92	13	26.	30.615	50.	18.	149.423	12.224	18.8	22.	45.	50.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/28/77-08/26/91	11 ##	0.5	0.909	2.	0.5	0.491	0.701	0.5	0.5	2.	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/28/77-08/26/91	12 ##	0.5	2.083	10.	0.	13.765	3.71	0.	0.5	1.	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	12/28/77-11/19/92	12 ##	1.5	1.208	2.	0.	0.43	0.656	0.	0.75	1.5	1.85
01040	COPPER, DISSOLVED (UG/L AS CU)	12/28/77-08/26/91	11	2.	2.182	5.	1.	1.364	1.168	1.	1.	3.	4.6
01046	IRON, DISSOLVED (UG/L AS FE)	12/28/77-11/19/92	13	250.	261.538	530.	30.	16130.769	127.007	70.	195.	355.	474.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/28/77-08/26/91	11	2.5	4.773	16.	0.5	29.318	5.415	0.6	1.	6.	15.6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/28/77-11/19/92	12	27.	30.833	77.	5.	486.879	22.065	5.6	12.	43.25	71.9
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-11/19/92	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/79-11/19/92	9	1.	2.278	6.	0.5	4.632	2.152	0.5	0.5	4.5	6.
01075	SILVER, DISSOLVED (UG/L AS AG)	12/28/77-11/19/92	13 ##	0.5	0.385	1.	0.	0.09	0.3	0.	0.	0.5	0.8
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-11/19/92	8	43.5	47.625	66.	41.	67.982	8.245	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-11/19/92	8 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/28/77-08/26/91	12 ##	3.25	4.583	11.	0.	17.083	4.133	0.	1.5	9.25	10.7
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-11/19/92	8	25.	40.	90.	20.	714.286	26.726	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-11/19/92	8 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/28/77-11/19/92	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	25	20.	23.94	69.	1.5	424.798	20.611	2.6	6.	38.	60.6
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/28/77-04/29/94	25	1.301	1.173	1.839	0.176	0.235	0.485	0.407	0.778	1.577	1.78
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			14.89								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	26	32.	284.231	3500.	3.	600596.025	774.981	9.2	18.5	81.25	959.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/28/77-04/29/94	26	1.505	1.686	3.544	0.477	0.515	0.718	0.939	1.267	1.877	2.867
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			48.572								
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/24/87-04/29/94	12	23.	24.833	33.	17.	25.424	5.042	17.9	21.25	29.75	32.7
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/28/77-11/19/92	23	60.	63.261	138.	41.	320.111	17.892	48.6	56.	65.	71.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/28/77-11/05/85	8	48.	48.5	54.	44.	16.857	4.106	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/28/77-09/23/93	43	92.	85.791	100.	0.	291.646	17.078	66.8	80.	97.	99.2
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/09/79-11/05/85	7	0.12	0.116	0.18	0.06	0.003	0.05	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/28/77-08/26/91	12 ##	0.15	0.154	0.3	0.05	0.011	0.103	0.05	0.05	0.25	0.285
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/28/77-09/23/93	42	8.	8.143	24.	3.	19.15	4.376	4.	5.	9.	14.7
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/28/77-11/05/85	6	27.5	30.667	56.	12.	355.067	18.843	**	**	**	**

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Station Inventory for Station: PETE0089

NPS Station ID: PETE0089
Location: APPOMATTOX R NR MATOACA
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080207
Major Basin: MID ATLANTIC
Minor Basin: JAMES RIVER
RF1 Index: 02080207003
RF3 Index: 02080206004600.00
Description:

LAT/LON: 37.224448/ -77.475560

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 11.600
RF3 Mile Point: 0.00

Agency: 11NATDC
FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
STORET Station ID(s): T0703327 /2221
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.03

Date Created: 12/14/84

On/Off RF1: ON
On/Off RF3:

Parameter Inventory for Station: PETE0089

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: PETE0090

NPS Station ID: PETE0090 LAT/LON: 37.225281/ -77.476392 Agency: 21VASWCB Date Created: 12/07/84
Location: ROUTE 600 BRIDGE (CHESTERFIELD COUNTY) FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP016.38
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 11.630 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000304.53 RF3 Mile Point: 4.72 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 845101 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 06 TOPO MAP #: 0134 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	262	12.55	14.007	30.	1.	60.958	7.808	5.	7.	20.625	25.14
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/14/91-02/04/93	6	42.5	44.667	65.	25.	348.267	18.662	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/89-06/30/95	103	18.	25.352	120.	1.3	537.376	23.181	3.32	9.7	34.	56.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	266	81.	80.237	300.	38.	363.789	19.073	60.	72.	88.	95.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/89-05/24/94	85	83.	83.671	213.	52.	446.819	21.138	66.6	75.	88.	93.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	103	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	261	10.6	10.302	14.8	3.9	4.148	2.037	7.42	8.65	11.9	13.
00300	OXYGEN, DISSOLVED MG/L	02/05/90-02/05/90	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/06/89-09/11/90	57	1.	1.421	3.	0.5	0.561	0.749	0.5	1.	2.	2.2
00335	COD, .025N K2CR2O7 MG/L	07/19/89-01/03/90	20	15.3	17.84	35.1	6.1	70.807	8.415	7.15	11.1	25.7	30.69
00340	COD, .25N K2CR2O7 MG/L	09/29/89-12/06/90	36	13.5	14.444	36.	6.	42.94	6.553	7.7	10.	17.75	22.3
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	266	7.1	7.083	8.4	5.6	0.142	0.377	6.6	6.8	7.34	7.55
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	266	7.1	6.908	8.4	5.6	0.173	0.416	6.6	6.8	7.34	7.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	266	0.079	0.124	2.512	0.004	0.034	0.183	0.028	0.046	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	07/06/89-09/11/90	57	7.1	7.061	7.8	6.4	0.098	0.313	6.7	6.8	7.3	7.42
00403	CONVERTED PH, LAB, STANDARD UNITS	07/06/89-09/11/90	57	7.1	6.955	7.8	6.4	0.109	0.33	6.7	6.8	7.3	7.42
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-09/11/90	57	0.079	0.111	0.398	0.016	0.007	0.081	0.038	0.05	0.158	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/89-09/11/90	57	27.	26.298	41.	17.	29.284	5.412	19.	23.	30.	35.
00500	RESIDUE, TOTAL (MG/L)	07/09/92-07/09/92	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/09/92-07/09/92	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	249	9.	11.878	60.	0.5	105.101	10.252	1.5	4.	16.	27.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	249	2.	2.693	12.	0.	3.221	1.795	1.	1.5	4.	5.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	249	6.	9.351	53.	0.5	77.129	8.782	1.5	3.	13.	22.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	260	0.04	0.047	0.22	0.005	0.001	0.03	0.017	0.02	0.06	0.084
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	266 ##	0.005	0.006	0.03	0.001	0.	0.004	0.003	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	266	0.16	0.169	0.53	0.002	0.008	0.087	0.06	0.11	0.22	0.273
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	225	0.4	0.448	2.8	0.05	0.044	0.21	0.3	0.3	0.5	0.6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/20/96-08/20/96	4	0.15	0.15	0.2	0.1	0.003	0.058	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	226	0.05	0.058	0.3	0.01	0.001	0.037	0.02	0.03	0.07	0.103
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	236	0.02	0.019	0.06	0.005	0.	0.013	0.005	0.01	0.02	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	266	0.01	0.012	0.15	0.004	0.	0.012	0.005	0.005	0.015	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/06/89-08/11/94	205	5.7	6.375	19.8	1.1	7.325	2.706	3.8	4.5	7.7	9.96

** - Less than 9 observations ## - 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: PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/92-08/11/92	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	265	14.	14.025	63.6	0.05	19.17	4.378	10.	12.45	15.8	17.04
49567	INVALID PARAMETER	03/23/95-08/20/96	11	0.02	0.02	0.04	0.008	0.	0.011	0.008	0.01	0.029	0.039
49569	INVALID PARAMETER	03/23/95-06/18/96	10	0.499	0.509	0.941	0.002	0.076	0.275	0.033	0.325	0.736	0.928
49570	INVALID PARAMETER	03/23/95-06/18/96	10	0.046	0.14	0.916	0.002	0.076	0.275	0.005	0.038	0.101	0.838
49571	INVALID PARAMETER	03/23/95-08/20/96	11	0.475	0.516	0.764	0.382	0.014	0.117	0.391	0.431	0.566	0.749
49572	INVALID PARAMETER	03/23/95-08/20/96	11	0.026	0.029	0.056	0.02	0.	0.01	0.02	0.021	0.035	0.052

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

EPA Water Quality Criteria Analysis for Station: PETE0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	3	0.50				6	3	0.50						
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	103	14	0.14	16	0	0.00	39	6	0.15	48	8	0.17			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	261	1	0.00	52	0	0.00	111	0	0.00	98	1	0.01			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	266	0	0.00	52	0	0.00	116	0	0.00	98	0	0.00			
		Other-Lo Lim.	6.5	266	18	0.07	52	0	0.00	116	8	0.07	98	10	0.10			
00403	PH, LAB	Other-Hi Lim.	9.	57	0	0.00	20	0	0.00	18	0	0.00	19	0	0.00			
		Other-Lo Lim.	6.5	57	3	0.05	20	0	0.00	18	1	0.06	19	2	0.11			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	266	0	0.00	51	0	0.00	117	0	0.00	98	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	266	0	0.00	51	0	0.00	117	0	0.00	98	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			

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

Annual Analysis for 1989 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	21	22.2	19.938	26.1	3.5	42.922	6.552	6.4	16.8	24.65	25.46
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	21	83.	80.381	103.	38.	320.248	17.895	46.8	73.	96.	102.4
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	21	8.3	9.052	14.8	7.1	3.251	1.803	7.36	7.95	9.95	11.6
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	21	7.1	7.216	8.1	6.8	0.092	0.303	6.83	7.045	7.35	7.72
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	21	7.1	7.138	8.1	6.8	0.098	0.314	6.83	7.045	7.35	7.72
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	21	0.079	0.073	0.158	0.008	0.002	0.039	0.021	0.045	0.091	0.149
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	21	7.	7.619	15.	2.	15.148	3.892	2.2	4.5	10.5	14.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	21	3.	2.619	6.	1.	2.648	1.627	1.	1.	4.	5.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	21	5.	5.	12.	1.	9.2	3.033	1.2	3.	7.	9.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	21	0.06	0.064	0.13	0.02	0.001	0.033	0.02	0.045	0.09	0.12
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	21 ##	0.005	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.02
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	21	0.15	0.162	0.53	0.02	0.014	0.117	0.02	0.095	0.19	0.324
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	21	0.4	0.433	0.6	0.3	0.006	0.08	0.3	0.4	0.5	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	22	0.04	0.051	0.3	0.02	0.003	0.058	0.02	0.03	0.05	0.088
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	21	0.01	0.013	0.03	0.005	0.	0.007	0.005	0.005	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	22	0.01	0.017	0.1	0.005	0.	0.02	0.005	0.005	0.02	0.027
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/06/89-08/11/94	21	7.1	6.8	9.1	4.9	2.248	1.499	4.92	5.2	8.25	8.74
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	21	15.	15.21	18.	8.4	5.582	2.363	12.3	14.	17.	17.9

** - 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 1990 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	42	12.5	13.295	28.5	1.	52.367	7.236	2.65	8.375	19.125	24.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	46	83.	87.391	300.	52.	1236.643	35.166	66.	75.	90.	105.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	44	10.2	10.23	13.6	6.3	3.084	1.756	7.3	9.425	11.15	13.2
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	46	6.9	6.981	8.1	6.2	0.15	0.387	6.442	6.8	7.2	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	46	6.9	6.826	8.1	6.2	0.174	0.418	6.442	6.8	7.2	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	46	0.126	0.149	0.631	0.008	0.018	0.135	0.032	0.063	0.158	0.362
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	45	10.	12.622	50.	0.5	138.684	11.776	1.6	3.5	16.	31.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	45	3.	2.956	12.	0.5	5.453	2.335	0.5	1.	4.	5.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	45	6.	9.811	43.	0.5	104.685	10.232	0.5	2.	13.5	26.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	45	0.05	0.056	0.18	0.02	0.001	0.035	0.02	0.02	0.08	0.1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	45 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	45	0.16	0.188	0.42	0.02	0.011	0.107	0.06	0.11	0.24	0.364
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	45	0.4	0.404	0.7	0.1	0.015	0.122	0.3	0.3	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	45	0.05	0.052	0.14	0.01	0.001	0.027	0.02	0.03	0.07	0.094
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	44	0.01	0.012	0.04	0.005	0.	0.007	0.005	0.005	0.018	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	44	0.01	0.012	0.03	0.005	0.	0.007	0.005	0.005	0.018	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/06/89-08/11/94	44	4.6	5.132	11.4	3.1	2.963	1.721	3.3	3.925	6.25	7.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	44	13.9	14.152	18.5	10.	3.806	1.951	12.	13.	15.5	17.05

** - 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 1991 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	41	11.5	13.668	28.	4.	60.471	7.776	5.5	6.5	22.25	26.06
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	41	83.	81.317	97.	58.	83.772	9.153	70.4	74.5	87.	93.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	40	10.95	10.3	13.8	6.8	4.208	2.051	7.21	8.325	11.95	12.56
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	41	7.2	7.139	7.8	6.41	0.079	0.281	6.8	6.925	7.36	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

Annual Analysis for 1991 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	41	7.2	7.044	7.8	6.41	0.088	0.297	6.8	6.925	7.36	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	41	0.063	0.09	0.389	0.016	0.005	0.07	0.04	0.044	0.119	0.158
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	41	8.	10.5	27.	1.5	62.825	7.926	1.5	4.5	16.5	24.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	41	2.	2.171	5.	0.5	1.233	1.11	1.	1.5	3.	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	41	6.	8.646	26.	1.5	48.903	6.993	1.5	3.	13.	19.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	41	0.05	0.05	0.22	0.02	0.001	0.034	0.02	0.02	0.065	0.07
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	41 ##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	41	0.14	0.156	0.47	0.02	0.01	0.101	0.024	0.08	0.205	0.308
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	41	0.4	0.444	0.9	0.3	0.023	0.152	0.3	0.3	0.5	0.76
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	41	0.05	0.054	0.12	0.01	0.001	0.026	0.03	0.035	0.065	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	41	0.01	0.014	0.03	0.005	0.	0.006	0.005	0.01	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	41	0.01	0.01	0.03	0.005	0.	0.005	0.005	0.005	0.01	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/06/89-08/11/94	40	5.2	5.698	11.6	1.1	4.605	2.146	3.71	4.05	6.925	8.98
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	41	14.	13.834	16.9	9.5	3.398	1.843	10.5	13.	15.	15.8

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

Annual Analysis for 1992 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	42	11.5	13.279	26.5	4.	54.379	7.374	5.	6.875	20.	25.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	42	90.	88.143	105.	60.	100.174	10.009	69.7	83.75	95.	99.4
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	42	10.85	10.324	13.5	3.9	5.121	2.263	7.1	8.9	12.225	12.88
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	42	7.1	7.184	7.8	6.12	0.127	0.356	6.8	6.9	7.5	7.7
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	42	7.1	7.027	7.8	6.12	0.152	0.39	6.8	6.9	7.5	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	42	0.079	0.094	0.759	0.016	0.013	0.116	0.02	0.032	0.126	0.158
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	41	6.	11.183	38.	1.	113.822	10.669	1.5	2.5	17.	30.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	41	2.	2.573	6.	0.	2.695	1.641	1.	1.	3.5	5.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	41	5.	8.793	32.	1.	80.662	8.981	1.	1.75	13.5	25.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	41	0.045	0.047	0.09	0.02	0.	0.021	0.02	0.03	0.06	0.08
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	41 ##	0.005	0.007	0.02	0.005	0.	0.003	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	41	0.15	0.154	0.31	0.04	0.005	0.071	0.07	0.1	0.19	0.276
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	41	0.4	0.434	0.8	0.05	0.031	0.175	0.3	0.3	0.5	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	41	0.05	0.058	0.17	0.01	0.002	0.04	0.02	0.03	0.07	0.13
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	41	0.01	0.015	0.04	0.005	0.	0.01	0.005	0.01	0.02	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	41 ##	0.005	0.009	0.04	0.005	0.	0.009	0.005	0.005	0.01	0.018
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/06/89-08/11/94	40	5.7	6.785	19.8	1.9	13.535	3.679	3.14	4.7	7.15	11.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	41	14.6	14.134	17.	9.7	3.775	1.943	10.52	13.1	15.4	16.56

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

Annual Analysis for 1993 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	31	8.	11.348	30.	4.	58.649	7.658	5.	6.	14.	25.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	31	70.	69.839	93.	42.	172.54	13.135	50.4	62.	80.	87.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	31	11.3	11.01	13.6	5.8	4.244	2.06	7.7	10.6	12.5	13.16
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	31	6.9	6.876	7.9	6.29	0.104	0.322	6.504	6.7	7.05	7.18
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	31	6.9	6.783	7.9	6.29	0.112	0.335	6.504	6.7	7.05	7.18
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	31	0.126	0.165	0.513	0.013	0.011	0.104	0.066	0.089	0.2	0.313
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	31	12.	14.823	41.	1.5	105.892	10.29	2.4	8.	19.	30.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	31	3.	3.371	8.	1.	3.616	1.902	1.5	2.	4.	6.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	31	10.	11.597	34.	1.5	80.424	8.968	2.	5.	16.	26.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	31	0.05	0.057	0.1	0.02	0.001	0.027	0.02	0.04	0.08	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

Annual Analysis for 1993 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	31 ##	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)	07/06/89-08/20/96	31	0.2	0.2	0.31	0.1	0.003	0.051	0.142	0.16	0.22	0.276
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	31	0.5	0.505	0.7	0.3	0.013	0.113	0.4	0.4	0.6	0.69
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	31	0.08	0.089	0.18	0.02	0.002	0.043	0.04	0.06	0.12	0.15
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	30	0.02	0.016	0.04	0.01	0.	0.007	0.01	0.01	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	31	0.01	0.015	0.15	0.005	0.001	0.026	0.005	0.005	0.01	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/06/89-08/11/94	29	8.9	9.093	13.7	4.7	7.641	2.764	5.3	6.6	11.5	13.5
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	31	11.8	11.735	17.5	6.4	8.557	2.925	7.86	9.3	13.8	15.88

** - 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

Annual Analysis for 1994 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	46	11.5	12.92	30.	1.	66.438	8.151	2.79	6.	20.	24.15
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	46	75.5	71.957	93.	45.	163.954	12.804	50.7	62.25	83.	86.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	44	11.	10.92	14.2	7.	4.104	2.026	7.85	9.4	12.475	13.7
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	46	7.27	7.252	8.4	5.6	0.193	0.439	6.87	7.03	7.5	7.66
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	46	7.269	6.887	8.4	5.6	0.33	0.574	6.87	7.03	7.5	7.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	46	0.054	0.13	2.512	0.004	0.142	0.377	0.022	0.032	0.093	0.136
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	41	10.	13.402	60.	1.5	165.428	12.862	1.5	1.5	20.	33.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	41 ##	1.5	2.78	8.	1.5	3.676	1.917	1.5	1.5	3.	6.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	41	8.	10.927	53.	1.5	117.795	10.853	1.5	1.5	16.	27.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	40	0.021	0.026	0.082	0.005	0.	0.02	0.007	0.011	0.032	0.065
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	46	0.003	0.004	0.016	0.002	0.	0.003	0.002	0.003	0.005	0.006
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	46	0.165	0.174	0.36	0.04	0.005	0.073	0.08	0.128	0.223	0.263
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	17	0.4	0.376	0.6	0.2	0.009	0.097	0.28	0.3	0.4	0.52
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	17	0.03	0.038	0.08	0.01	0.	0.021	0.01	0.02	0.05	0.072
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	22	0.02	0.026	0.05	0.005	0.	0.014	0.01	0.018	0.04	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	46	0.011	0.011	0.024	0.004	0.	0.006	0.006	0.007	0.014	0.022
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/06/89-08/11/94	31	5.5	5.652	9.8	3.6	2.435	1.561	3.92	4.3	6.2	8.48
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	46	13.45	13.139	19.	1.3	15.098	3.886	8.44	11.1	15.8	17.86

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

Annual Analysis for 1995 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	36	17.25	16.014	28.5	5.	56.521	7.518	5.35	9.	24.	24.65
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	36	80.	80.556	96.	56.	67.911	8.241	69.7	76.25	88.	90.9
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	36	9.2	9.758	13.3	6.9	3.232	1.798	7.8	8.1	11.2	12.86
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	36	6.895	6.938	7.7	6.49	0.108	0.329	6.5	6.7	7.158	7.445
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	36	6.895	6.834	7.7	6.49	0.119	0.345	6.5	6.7	7.157	7.445
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	36	0.127	0.147	0.324	0.02	0.009	0.094	0.036	0.07	0.2	0.316
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/89-06/30/95	29	9.	11.431	41.	1.5	68.817	8.296	3.	6.5	14.	18.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/89-06/30/95	29 ##	1.5	2.397	7.	1.5	2.185	1.478	1.5	1.5	3.	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/89-06/30/95	29	7.	8.948	34.	1.5	47.417	6.886	1.5	5.	10.5	15.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	36	0.038	0.042	0.094	0.006	0.001	0.025	0.009	0.024	0.059	0.084
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	36	0.005	0.006	0.017	0.001	0.	0.005	0.001	0.002	0.008	0.015
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	36	0.16	0.146	0.27	0.002	0.006	0.078	0.034	0.093	0.21	0.253
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/06/89-06/30/95	29	0.5	0.529	2.8	0.05	0.211	0.459	0.3	0.4	0.55	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/89-06/30/95	29	0.05	0.06	0.12	0.02	0.001	0.023	0.04	0.05	0.065	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	36	0.035	0.038	0.06	0.02	0.	0.012	0.02	0.03	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 1995 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	36	0.015	0.016	0.033	0.005	0.	0.008	0.007	0.01	0.02	0.029
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	36	15.45	16.263	63.6	0.05	89.095	9.439	11.09	13.775	17.05	21.32

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

Annual Analysis for 1996 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	3	23.	17.333	25.5	3.5	145.083	12.045	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	3	80.	74.667	84.	60.	165.333	12.858	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	3	9.4	9.967	12.8	7.7	6.743	2.597	**	**	**	**
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	3	6.9	6.843	7.13	6.5	0.102	0.319	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	3	6.9	6.764	7.13	6.5	0.111	0.333	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	3	0.126	0.172	0.316	0.074	0.016	0.127	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	5	0.019	0.023	0.034	0.015	0.	0.009	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	5	0.005	0.006	0.01	0.003	0.	0.003	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	5	0.21	0.18	0.23	0.12	0.003	0.051	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	5	0.015	0.015	0.018	0.013	0.	0.002	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	5	15.6	14.86	18.4	12.1	7.463	2.732	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	51	24.3	24.153	30.	17.4	10.912	3.303	18.	22.2	26.1	28.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	52	86.	85.269	105.	38.	153.691	12.397	72.3	79.5	93.	100.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	52	7.55	7.744	10.2	5.8	0.947	0.973	6.73	7.1	8.3	9.21
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	52	7.2	7.196	7.8	6.7	0.084	0.291	6.8	6.963	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	52	7.2	7.105	7.8	6.7	0.093	0.305	6.8	6.963	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	52	0.063	0.079	0.2	0.016	0.003	0.051	0.025	0.04	0.109	0.158
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	51	0.041	0.048	0.13	0.007	0.001	0.03	0.02	0.02	0.06	0.1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	51	0.005	0.009	0.03	0.003	0.	0.006	0.005	0.005	0.01	0.02
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	51	0.16	0.186	0.53	0.02	0.015	0.123	0.02	0.1	0.26	0.376
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	49	0.02	0.018	0.05	0.005	0.	0.01	0.005	0.01	0.02	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	51	0.01	0.013	0.03	0.005	0.	0.007	0.005	0.01	0.02	0.02
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	51	15.5	15.5	19.	8.4	4.508	2.123	13.1	14.	17.	18.32

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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	114	6.5	7.487	20.5	1.	16.061	4.008	3.	5.	10.	12.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	115	82.	82.2	300.	44.	614.512	24.789	64.	72.	90.	97.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	111	12.1	11.923	14.8	7.8	1.772	1.331	10.34	11.	13.	13.58
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	116	7.1	7.064	8.1	5.6	0.14	0.374	6.67	6.9	7.3	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	116	7.1	6.863	8.1	5.6	0.181	0.425	6.67	6.9	7.3	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	116	0.079	0.137	2.512	0.008	0.064	0.252	0.032	0.05	0.126	0.215
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	114	0.05	0.049	0.18	0.005	0.001	0.03	0.017	0.02	0.07	0.08
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	117 ##	0.005	0.005	0.015	0.001	0.	0.002	0.003	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	117	0.2	0.192	0.4	0.02	0.006	0.076	0.078	0.145	0.24	0.28
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	104	0.01	0.018	0.06	0.005	0.	0.013	0.005	0.01	0.02	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	117	0.01	0.013	0.15	0.004	0.	0.017	0.005	0.005	0.014	0.024
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	117	14.5	14.144	26.1	0.3	10.831	3.291	10.76	12.7	15.8	17.02

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-08/20/96	97	14.3	16.335	28.	7.	30.496	5.522	9.5	12.5	20.5	24.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/89-08/20/96	99	77.	75.313	105.	42.	146.442	12.101	57.	67.	84.	89.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/06/89-08/20/96	22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/89-08/20/96	98	10.05	9.823	12.8	3.9	1.868	1.367	8.	8.95	10.8	11.42
00400	PH (STANDARD UNITS)	07/06/89-08/20/96	98	7.	7.046	8.4	6.2	0.17	0.412	6.5	6.79	7.3	7.6
00400	CONVERTED PH (STANDARD UNITS)	07/06/89-08/20/96	98	7.	6.879	8.4	6.2	0.198	0.445	6.5	6.79	7.3	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/89-08/20/96	98	0.1	0.132	0.631	0.004	0.013	0.116	0.025	0.05	0.162	0.316
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	95	0.04	0.044	0.22	0.006	0.001	0.031	0.013	0.02	0.056	0.085
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	98 ##	0.005	0.006	0.02	0.001	0.	0.004	0.002	0.004	0.006	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/89-08/20/96	98	0.13	0.133	0.36	0.002	0.004	0.063	0.049	0.09	0.163	0.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/06/89-01/29/96	83	0.02	0.02	0.06	0.005	0.	0.014	0.005	0.01	0.03	0.046
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/89-08/20/96	98	0.01	0.011	0.033	0.004	0.	0.006	0.005	0.006	0.013	0.02
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/06/89-08/20/96	97	13.	13.108	63.6	0.05	35.261	5.938	9.12	10.9	14.55	16.02

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

Station Inventory for Station: PETE0091

NPS Station ID: PETE0091 LAT/LON: 37.123337/ -77.479171 Agency: 21VASWCB Date Created: 04/13/96
Location: HATCHER RUN, RT. 613 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AHRA003.42
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: HATCHER RUN SECTION: 02 TOPO MAP #: 0038 TOPO MAP NAME: CARSON, VA

Parameter Inventory for Station: PETE0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/94-10/11/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/11/94-10/11/94	1	77.	77.	77.	77.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/11/94-10/11/94	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/11/94-10/11/94	1	6.41	6.41	6.41	6.41	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/11/94-10/11/94	1	6.41	6.41	6.41	6.41	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/94-10/11/94	1	0.389	0.389	0.389	0.389	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0091

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									

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

Station Inventory for Station: PETE0092

NPS Station ID: PETE0092 LAT/LON: 37.129726/ -77.487781 Agency: 21VASWCB Date Created: 04/13/96
Location: HATCHER RUN, RT. 670 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AHRA004.16
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: HATCHER RUN SECTION: 02 TOPO MAP #: 0037 TOPO MAP NAME: PETERSBURG, VA

Parameter Inventory for Station: PETE0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/94-10/11/94	1	15.7	15.7	15.7	15.7	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/11/94-10/11/94	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/11/94-10/11/94	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/11/94-10/11/94	1	6.73	6.73	6.73	6.73	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/11/94-10/11/94	1	6.73	6.73	6.73	6.73	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/94-10/11/94	1	0.186	0.186	0.186	0.186	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0092

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PETE0093

NPS Station ID: PETE0093 LAT/LON: 37.221198/ -77.506865 Agency: 21VASWCB Date Created: / /
Location: LAKE CHESDIN, ABOVE DAM AT SAFETY WIRE FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP018.12 /VA2-06EX0014/VA2-4X0014
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 13.590 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000306.17 RF3 Mile Point: 6.17 Distance from RF3: 0.07 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD LAKE STUDIES BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 06E TOPO MAP #: 0128 TOPO MAP NAME: SUTHERLAND, VA

Parameter Inventory for Station: PETE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/71-09/12/79	56	24.	22.648	31.1	7.5	30.658	5.537	14.91	20.	26.7	29.05
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/08/77-06/04/79	10	13.5	15.86	31.	2.7	128.945	11.355	2.83	4.75	28.25	30.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/11/79-07/11/79	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/77-06/04/79	10	74.5	75.4	100.	54.	180.933	13.451	54.4	67.75	83.25	98.7
00300	OXYGEN, DISSOLVED MG/L	07/09/71-09/12/79	55	7.6	6.612	14.2	0.05	11.034	3.322	0.08	6.1	8.5	9.5
00310	BOD, 5 DAY, 20 DEG C MG/L	08/28/78-06/04/79	6	1.	1.	1.	1.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/71-09/12/79	45	7.2	7.127	8.3	6.	0.343	0.586	6.3	6.7	7.5	8.
00400	CONVERTED PH (STANDARD UNITS)	07/09/71-09/12/79	45	7.2	6.78	8.3	6.	0.466	0.682	6.3	6.7	7.5	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/71-09/12/79	45	0.063	0.166	1.	0.005	0.048	0.219	0.01	0.032	0.2	0.501
00403	PH, LAB, STANDARD UNITS SU	06/08/77-06/04/79	10	7.25	7.25	7.6	6.9	0.067	0.259	6.9	7.05	7.525	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS	06/08/77-06/04/79	10	7.247	7.183	7.6	6.9	0.072	0.269	6.9	7.05	7.525	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/77-06/04/79	10	0.057	0.066	0.126	0.025	0.001	0.037	0.025	0.03	0.091	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/77-06/04/79	10	26.5	28.	38.	14.	68.444	8.273	14.8	22.	36.25	37.9
00500	RESIDUE, TOTAL (MG/L)	12/14/78-12/14/78	2	101.5	101.5	109.	94.	112.5	10.607	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/14/78-12/14/78	2	30.	30.	34.	26.	32.	5.657	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	12/14/78-12/14/78	2	70.	70.	75.	65.	50.	7.071	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/06/71-06/04/79	35 ##	0.05	0.072	0.21	0.03	0.001	0.037	0.046	0.05	0.1	0.104
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	35 ##	0.005	0.008	0.03	0.005	0.	0.006	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	34	0.028	0.048	0.15	0.005	0.001	0.038	0.01	0.025	0.06	0.11
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/71-06/04/79	35	0.3	0.431	1.399	0.1	0.11	0.332	0.2	0.2	0.4	1.08
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/08/77-06/04/79	10	25.	25.8	36.	20.	27.956	5.287	20.	20.	30.	35.4
00940	CHLORIDE,TOTAL IN WATER MG/L	06/04/79-06/04/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/06/71-05/13/76	3 ##	2.5	2.	2.5	1.	0.75	0.866	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/30/91-10/30/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/06/71-05/13/76	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/91-10/30/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/91-10/30/91	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/06/71-05/13/76	7 ##	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/06/71-12/14/78	12 ##	5.	8.333	30.	5.	65.152	8.072	5.	5.	5.	27.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/26/78-10/30/91	9	85.9	162.389	920.	0.005	81999.391	286.355	0.005	43.3	100.85	920.
01051	LEAD, TOTAL (UG/L AS PB)	08/06/71-05/13/76	6	6.5	10.167	20.	3.	60.567	7.782	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/30/91-10/30/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/18/73-05/13/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/91-10/30/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/06/71-05/13/76	7 ##	5.	15.714	50.	5.	311.905	17.661	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/30/91-10/30/91	1	35.	35.	35.	35.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/14/78-12/14/78	1	2100.	2100.	2100.	2100.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/14/78-12/14/78	1	3.322	3.322	3.322	3.322	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2100.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	43 ##	50.	232.093	6000.	50.	846407.42	920.004	50.	50.	50.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	43 ##	1.699	1.827	3.778	1.699	0.168	0.41	1.699	1.699	1.699	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			67.085								
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/30/91-10/30/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/30/91-10/30/91	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/30/91-10/30/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/30/91-10/30/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/30/91-10/30/91	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	10/30/91-10/30/91	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/06/71-06/04/79	35 ##	0.05	0.054	0.1	0.05	0.	0.014	0.05	0.05	0.05	0.07
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/71-06/04/79	35 ##	0.03	0.029	0.05	0.005	0.	0.019	0.005	0.01	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	08/06/71-05/13/76	7 ##	0.25	0.286	0.5	0.25	0.009	0.094	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/30/91-10/30/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	10/30/91-10/30/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	10/30/91-10/30/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	55	10	0.18	33	10	0.30	5	0	0.00	17	0	0.00			
00400	PH	Other-Hi Lim.	9.	45	0	0.00	23	0	0.00	5	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	45	9	0.20	23	6	0.26	5	1	0.20	17	2	0.12			
00403	PH, LAB	Other-Hi Lim.	9.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	35	0	0.00	18	0	0.00	4	0	0.00	13	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	34	0	0.00	18	0	0.00	4	0	0.00	12	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.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00				2	0	0.00			
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.	12	2	0.17	6	1	0.17	2	0	0.00	4	1	0.25			
		Drinking Water	1300.	12	0	0.00	6	0	0.00	2	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	3	0	0.00				3	0	0.00			
		Drinking Water	15.	6	2	0.33	3	2	0.67				3	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			
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			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	43	3	0.07	22	1	0.05	4	1	0.25	17	1	0.06			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	2.	7	0	0.00	3	0	0.00				4	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/71-09/12/79	34	24.4	24.126	31.1	14.	17.746	4.213	17.75	20.975	26.975	29.7
00300	OXYGEN, DISSOLVED MG/L	07/09/71-09/12/79	33	6.4	5.323	9.7	0.05	12.561	3.544	0.05	0.2	7.8	9.46
00400	PH (STANDARD UNITS)	07/09/71-09/12/79	23	7.	7.13	8.3	6.1	0.392	0.626	6.3	6.5	7.5	8.
00400	CONVERTED PH (STANDARD UNITS)	07/09/71-09/12/79	23	7.	6.766	8.3	6.1	0.531	0.729	6.3	6.5	7.5	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/71-09/12/79	23	0.1	0.171	0.794	0.005	0.046	0.214	0.01	0.032	0.316	0.501
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/06/71-06/04/79	18	0.075	0.082	0.21	0.03	0.002	0.046	0.039	0.05	0.1	0.156
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	18	0.01	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	18	0.03	0.041	0.15	0.005	0.001	0.033	0.01	0.024	0.053	0.078
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/71-06/04/79	18	0.3	0.483	1.399	0.2	0.13	0.36	0.2	0.3	0.625	1.219
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	22 ##	50.	102.273	1100.	50.	49875.541	223.328	50.	50.	50.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	22 ##	1.699	1.787	3.041	1.699	0.086	0.294	1.699	1.699	1.699	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			61.285								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/06/71-06/04/79	18 ##	0.05	0.056	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/71-06/04/79	18 ##	0.03	0.03	0.05	0.005	0.	0.019	0.005	0.01	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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/71-09/12/79	5	11.5	12.62	21.1	7.5	32.692	5.718	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/09/71-09/12/79	5	7.8	8.18	9.5	6.9	1.257	1.121	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/71-09/12/79	5	6.7	6.62	6.8	6.3	0.037	0.192	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/71-09/12/79	5	6.7	6.582	6.8	6.3	0.039	0.197	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/71-09/12/79	5	0.2	0.262	0.501	0.158	0.019	0.138	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/06/71-06/04/79	4 ##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	4 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	4 ##	0.068	0.068	0.11	0.025	0.002	0.049	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/71-06/04/79	4	0.3	0.275	0.4	0.1	0.023	0.15	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	4 ##	75.	232.5	730.	50.	110558.333	332.503	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	4 ##	1.849	2.065	2.863	1.699	0.303	0.551	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			116.229								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/06/71-06/04/79	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/71-06/04/79	4 ##	0.013	0.015	0.03	0.005	0.	0.012	**	**	**	**

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

Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/71-09/12/79	17	23.3	22.641	29.5	9.5	24.544	4.954	15.58	20.	26.4	28.7
00300	OXYGEN, DISSOLVED MG/L	07/09/71-09/12/79	17	8.2	8.653	14.2	6.2	3.181	1.784	6.44	8.	8.85	11.64
00400	PH (STANDARD UNITS)	07/09/71-09/12/79	17	7.3	7.271	8.2	6.	0.292	0.541	6.32	7.	7.6	7.88
00400	CONVERTED PH (STANDARD UNITS)	07/09/71-09/12/79	17	7.3	6.886	8.2	6.	0.449	0.67	6.32	7.	7.6	7.88
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/71-09/12/79	17	0.05	0.13	1.	0.006	0.059	0.244	0.014	0.026	0.1	0.518
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/06/71-06/04/79	13 ##	0.05	0.062	0.1	0.05	0.	0.022	0.05	0.05	0.075	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	13 ##	0.005	0.007	0.03	0.005	0.	0.007	0.005	0.005	0.005	0.022
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/04/79	12 ##	0.025	0.051	0.14	0.005	0.002	0.042	0.011	0.025	0.082	0.131
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/71-06/04/79	13	0.3	0.408	1.399	0.2	0.111	0.333	0.2	0.2	0.45	1.119
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	17 ##	50.	400.	6000.	50.	2082500.	1443.087	50.	50.	50.	1240.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-06/04/79	17 ##	1.699	1.821	3.778	1.699	0.254	0.504	1.699	1.699	1.699	2.115
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			66.264								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/06/71-06/04/79	13 ##	0.05	0.054	0.1	0.05	0.	0.014	0.05	0.05	0.05	0.08
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/71-06/04/79	13 ##	0.05	0.033	0.05	0.005	0.	0.02	0.005	0.008	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

Station Inventory for Station: PETE0094

NPS Station ID: PETE0094 LAT/LON: 37.161948/ -77.515281 Agency: 21VASWCB Date Created: 04/13/96
Location: PICTURE BRANCH, RT. 1 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5APCT001.23
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: PICTURE BRANCH SECTION: 02 TOPO MAP #: 0031 TOPO MAP NAME: SUTHERLAND, VA

Parameter Inventory for Station: PETE0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-07/13/94	1	27.7	27.7	27.7	27.7	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-07/13/94	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-07/13/94	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/94-07/13/94	1	6.51	6.51	6.51	6.51	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/94-07/13/94	1	6.51	6.51	6.51	6.51	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/94-07/13/94	1	0.309	0.309	0.309	0.309	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0094

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PETE0095

NPS Station ID: PETE0095 LAT/LON: 37.220003/ -77.524726 Agency: 21VASWCB Date Created: 12/07/84
Location: BELOW LAKE CHESDIN DAM (CO. OF CHESTERFIELD) FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP019.41
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 14.730 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000307.98 RF3 Mile Point: 12.46 Distance from RF3: 0.02 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835108 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 06E TOPO MAP #: 0128 TOPO MAP NAME: SUTHERLAND, VA

Parameter Inventory for Station: PETE0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/83-09/27/83	3	24.5	25.267	28.5	22.8	8.563	2.926	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-10/03/83	5 ##	0.1	0.095	0.105	0.075	0.	0.013	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-09/27/83	3	90.	96.333	110.	89.	140.333	11.846	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/28/83-09/27/83	3	7.7	7.8	8.4	7.3	0.31	0.557	**	**	**	**
00400	PH (STANDARD UNITS)	07/28/83-09/27/83	3	7.2	7.167	7.5	6.8	0.123	0.351	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/83-09/27/83	3	7.2	7.074	7.5	6.8	0.136	0.369	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/83-09/27/83	3	0.063	0.084	0.158	0.032	0.004	0.066	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/83-09/27/83	3	42.	42.	50.	34.	64.	8.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-09/27/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-09/27/83	3	88.	107.	145.	88.	1083.	32.909	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/83-10/03/83	4	6.5	5.875	8.	2.5	5.729	2.394	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/28/83-10/03/83	4	3.	3.125	4.	2.5	0.396	0.629	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/83-09/27/83	3	0.3	0.233	0.3	0.1	0.013	0.115	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/83-10/12/83	7 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/83-10/03/83	6 ##	0.025	0.021	0.025	0.	0.	0.01	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-09/27/83	3	0.8	0.767	1.2	0.3	0.203	0.451	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/83-09/27/83	3	1.	1.033	1.7	0.4	0.423	0.651	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-09/27/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-10/12/83	4 ##	0.125	0.2	0.5	0.05	0.045	0.212	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	6 ##	0.05	0.075	0.2	0.05	0.004	0.061	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-09/27/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-09/27/83	3	8.	7.333	10.	4.	9.333	3.055	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-09/27/83	3	230.	237.667	390.	93.	22096.333	148.648	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-09/27/83	3	2.362	2.307	2.591	1.968	0.099	0.315	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			202.811								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-09/27/83	3	23.	40.	93.	4.	2197.	46.872	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/28/83-09/27/83	3	1.362	1.311	1.968	0.602	0.469	0.685	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.453								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	4	4.	3.675	4.2	2.5	0.623	0.789	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	4	3.9	3.675	4.5	2.4	0.809	0.9	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-09/27/83	3	0.	0.1	0.3	0.	0.03	0.173	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	7	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	6	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	3	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	1	0.33	3	1	0.33									

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

Station Inventory for Station: PETE0096

NPS Station ID: PETE0096
LAT/LON: 37.220003/ -77.525004
Agency: 11EPALES
Date Created: / /
Location: APPOMATTOX RIVER
FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 5111A1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080207
Depth of Water: 0
Aquifer:
Major Basin: O/LAKE CHESDIN
Elevation: 0
Water Body Id:
Minor Basin: AT DAM 2.5 MI NE OF SUTHERLAND
ECO Region:
RF1 Index: 02080207003
RF1 Mile Point: 14.730
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 03010201000100.11
RF3 Mile Point: 1.33
Distance from RF3: 0.00
On/Off RF3:
Description:
AT DAM APPROX 2 1/2 MI NE OF SUTHERLAND

Parameter Inventory for Station: PETE0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/73-05/05/74	11	0.05	0.191	0.52	0.032	0.039	0.198	0.034	0.04	0.44	0.514
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/14/73-05/05/74	11	0.005	0.006	0.02	0.002	0.	0.005	0.002	0.003	0.007	0.018
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/73-05/05/74	11	0.063	0.075	0.162	0.02	0.002	0.047	0.021	0.036	0.116	0.159
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/14/73-05/05/74	11	0.55	0.735	1.8	0.2	0.236	0.486	0.22	0.4	1.	1.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/14/73-05/05/74	11	0.07	0.083	0.17	0.02	0.002	0.046	0.022	0.06	0.12	0.166
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/73-05/05/74	11	0.045	0.044	0.065	0.02	0.	0.015	0.02	0.035	0.055	0.064
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/14/73-05/05/74	11	0.014	0.015	0.028	0.007	0.	0.006	0.007	0.01	0.02	0.027

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

EPA Water Quality Criteria Analysis for Station: PETE0096

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			

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

Station Inventory for Station: PETE0097

NPS Station ID: PETE0097 LAT/LON: 37.220837/ -77.526115 Agency: 11EPALES Date Created: / /
Location: LAKE CHESDIN FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 511101
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 37 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 14.830 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000322.19 RF3 Mile Point: 23.94 Distance from RF3: 0.12 On/Off RF3:
Description:
IMMEDIATELY ADJACENT TO EASTERNMOST BUOY OF FOUR LOCATED ALONG FRONT OF THE DAM.
COMMENTS: 4-7, ULE 18-20, MUDDY, NO VISIBLE AQUATIC VEGETATION. 7-13, ULE 13; DEPTH 46 FT. 9-26 ULE 18, CLEAR BROWN GREEN; NO VISIBLE ALGAE;
SUBMERGED MACROPHYTES ALONG 90% OF SHORE FM SITE 2 TO 1; FEW SM CLUMPS OF EMERGENT VERY CLOSE INSHORE AT SITE 1; FEW PATCHES OF ALGAL SCUMS IN
SM COVES FM SITE 2 TOWARD 1; DEPTH 45 FT. USGS MAP:SUTHERLAND QUAD

Parameter Inventory for Station: PETE0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/07/73-09/26/73	16	22.7	21.031	29.4	13.9	27.412	5.236	14.25	14.9	23.475	29.33
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/13/73-09/26/73	11	84.	78.	93.	43.	249.8	15.805	47.8	68.	92.	92.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/07/73-09/26/73	3	60.	52.	72.	24.	624.	24.98	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/07/73-09/26/73	16	85.	88.813	170.	70.	584.563	24.178	70.7	72.75	88.	130.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/07/73-09/26/73	16	467.	444.	820.	190.	38282.4	195.659	201.9	212.25	552.5	736.7
00300	OXYGEN, DISSOLVED MG/L	04/07/73-09/26/73	14	2.7	3.9	8.7	0.2	12.232	3.497	0.2	0.65	8.275	8.7
00400	PH (STANDARD UNITS)	04/07/73-09/26/73	16	6.85	7.05	7.5	6.5	0.176	0.42	6.57	6.7	7.5	7.5
00400	CONVERTED PH (STANDARD UNITS)	04/07/73-09/26/73	16	6.847	6.886	7.5	6.5	0.205	0.453	6.57	6.7	7.5	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/07/73-09/26/73	16	0.142	0.13	0.316	0.032	0.01	0.099	0.032	0.032	0.2	0.271
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/07/73-09/26/73	16	36.5	37.25	56.	26.	88.867	9.427	26.	27.25	43.5	53.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/07/73-09/26/73	16	0.24	0.422	2.59	0.08	0.451	0.672	0.08	0.083	0.325	1.827
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/07/73-09/26/73	16	0.65	0.906	3.3	0.4	0.551	0.742	0.4	0.45	0.9	2.32
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/07/73-09/26/73	16	0.085	0.095	0.16	0.03	0.003	0.052	0.03	0.045	0.16	0.16
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/07/73-09/26/73	16	0.038	0.041	0.087	0.022	0.	0.018	0.024	0.027	0.046	0.08
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/07/73-09/26/73	16	0.008	0.009	0.016	0.005	0.	0.003	0.005	0.007	0.01	0.015
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/07/73-09/26/73	3	3.4	5.267	9.4	3.	12.853	3.585	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	04/07/73-09/26/73	3	45.	42.667	46.	37.	24.333	4.933	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0097

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	9	0.64	10	9	0.90				4	0	0.00			
00400	PH	Other-Hi Lim.	9.	16	0	0.00	11	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	16	1	0.06	11	1	0.09				5	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	16	0	0.00	11	0	0.00				5	0	0.00			

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

Station Inventory for Station: PETE0098

NPS Station ID: PETE0098 LAT/LON: 37.107781/ -77.529448 Agency: 21VASWCB Date Created: 04/13/96
Location: GRAVELLY RUN, RT. 660 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AGRV004.35
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: GRAVELLY RUN SECTION: 02 TOPO MAP #: 0032 TOPO MAP NAME: DINWIDDIE, VA

Parameter Inventory for Station: PETE0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/94-10/11/94	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/11/94-10/11/94	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/11/94-10/11/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/11/94-10/11/94	1	5.96	5.96	5.96	5.96	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/11/94-10/11/94	1	5.96	5.96	5.96	5.96	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/94-10/11/94	1	1.096	1.096	1.096	1.096	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									

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

Station Inventory for Station: PETE0099

NPS Station ID: PETE0099 LAT/LON: 37.226670/ -77.535559 Agency: 21VASWCB Date Created: 06/23/90
Location: LAKE CHESDIN STA #1 - NEAR DAM CHESTERFIELD CO FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 2-APP020.23
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 6.70 On/Off RF1:
RF3 Index: 02080207009600.27 RF3 Mile Point: 0.26 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 06E TOPO MAP #: 0128 TOPO MAP NAME: SUTHERLAND, VA

Parameter Inventory for Station: PETE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/80-11/08/90	20	20.75	20.685	28.5	9.7	31.458	5.609	12.15	15.25	25.75	27.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/08/90-11/08/90	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/15/80-10/09/80	7	1.	1.1	1.6	0.4	0.2	0.447	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/15/80-10/09/80	21	92.	84.286	109.	7.	514.614	22.685	64.2	74.	99.5	106.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/90-11/08/90	2	88.	88.	99.	77.	242.	15.556	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/15/80-11/08/90	20	5.55	4.965	11.2	0.1	12.203	3.493	0.21	0.825	7.55	9.75
00310	BOD, 5 DAY, 20 DEG C MG/L	11/08/90-11/08/90	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/26/90-07/26/90	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/15/80-11/08/90	20	7.135	7.189	9.	6.4	0.569	0.754	6.41	6.6	7.5	8.86
00400	CONVERTED PH (STANDARD UNITS)	04/15/80-11/08/90	20	7.13	6.835	9.	6.4	0.7	0.837	6.41	6.6	7.5	8.86
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/15/80-11/08/90	20	0.074	0.146	0.398	0.001	0.02	0.14	0.003	0.032	0.251	0.39
00403	PH, LAB, STANDARD UNITS SU	04/15/80-11/08/90	22	6.95	6.936	7.4	6.5	0.052	0.228	6.6	6.775	7.1	7.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/15/80-11/08/90	22	6.947	6.879	7.4	6.5	0.055	0.235	6.6	6.775	7.1	7.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/15/80-11/08/90	22	0.113	0.132	0.316	0.04	0.005	0.072	0.063	0.079	0.169	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/15/80-11/08/90	23	29.	28.783	39.	19.	31.178	5.584	19.4	24.	32.	37.2
00500	RESIDUE, TOTAL (MG/L)	11/08/90-11/08/90	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/08/90-11/08/90	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/08/90-11/08/90	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/15/80-11/08/90	22	8.	14.659	88.	2.	379.343	19.477	2.5	5.75	15.25	42.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/15/80-11/08/90	22	3.	4.386	17.	2.	11.046	3.324	2.	2.5	5.25	7.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/15/80-11/08/90	22	5.5	10.955	71.	0.5	259.331	16.104	1.45	2.875	9.75	35.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/15/80-11/08/90	23 ##	0.05	0.08	0.2	0.02	0.004	0.06	0.032	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/15/80-11/08/90	17 ##	0.005	0.012	0.03	0.005	0.	0.01	0.005	0.005	0.023	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/26/90-11/08/90	2 ##	0.06	0.06	0.1	0.02	0.003	0.057	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/80-11/08/90	23	0.4	0.448	0.7	0.3	0.018	0.134	0.3	0.3	0.6	0.66
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/15/80-10/09/80	20	0.115	0.147	0.9	0.025	0.038	0.194	0.025	0.025	0.17	0.266
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/80-11/08/90	23	0.03	0.063	0.2	0.01	0.003	0.055	0.02	0.02	0.1	0.16
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/15/80-11/08/90	22	0.02	0.027	0.09	0.005	0.001	0.024	0.005	0.01	0.033	0.077
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/26/90-07/26/90	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/90-07/26/90	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/08/90-11/08/90	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/90-11/08/90	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/08/90-11/08/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/08/90-11/08/90	1	20.2	20.2	20.2	20.2	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	07/01/80-07/01/80	1	11.1	11.1	11.1	11.1	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/01/80-07/01/80	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/01/80-07/01/80	1	30.2	30.2	30.2	30.2	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/01/80-07/01/80	1	103.	103.	103.	103.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/15/80-07/26/90	23	0.6	251.437	5700.	0.05	1410947.265	1187.833	0.1	0.3	1.	42.8
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/01/80-07/01/80	1	39.8	39.8	39.8	39.8	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/15/80-07/26/90	22	0.2	174.216	3800.	0.03	655852.66	809.847	0.046	0.085	0.85	17.95
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/01/80-07/01/80	1	20.7	20.7	20.7	20.7	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/01/80-07/01/80	1	90.6	90.6	90.6	90.6	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/80-11/08/90	7 ##	50.	51.286	100.	9.	694.905	26.361	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/80-11/08/90	7 ##	1.699	1.636	2.	0.954	0.103	0.321	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			43.21								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/15/80-07/26/90	7	14.1	21.843	69.1	9.9	441.973	21.023	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/26/90-07/26/90	1	57.9	57.9	57.9	57.9	0.	0.	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/26/90-07/26/90	1	16.	16.	16.	16.	0.	0.	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/26/90-07/26/90	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/26/90-07/26/90	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/26/90-07/26/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/26/90-07/26/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/26/90-07/26/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/26/90-07/26/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/26/90-07/26/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/26/90-07/26/90	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/01/80-07/01/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/26/90-07/26/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/26/90-07/26/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 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.	20	7	0.35	12	4	0.33	1	0	0.00	7	3	0.43			
00400	PH	Other-Hi Lim.	9.	20	2	0.10	12	1	0.08	1	0	0.00	7	1	0.14			
		Other-Lo Lim.	6.5	20	4	0.20	12	1	0.08	1	0	0.00	7	3	0.43			
00403	PH, LAB	Other-Hi Lim.	9.	22	0	0.00	13	0	0.00	1	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	22	1	0.05	13	0	0.00	1	0	0.00	8	1	0.13			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	10	0	0.00	1	0	0.00	6	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	20	0	0.00	11	0	0.00				9	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						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: PETE0100

NPS Station ID: PETE0100 LAT/LON: 37.225837/ -77.538892 Agency: 112WRD Date Created: / /
Location: APPOMATTOX RIVER NEAR PETERSBURG, VA FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 02041500
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 1.00 On/Off RF1:
RF3 Index: 02080207001010.40 RF3 Mile Point: 11.20 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: PETE0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/69-04/28/69	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/01/29-01/11/56	19	532.	931.	3420.	160.	853823.667	924.026	206.	318.	1080.	2600.
00080	COLOR (PLATINUM-COBALT UNITS)	04/01/29-04/28/69	21	20.	22.286	65.	6.	218.214	14.772	9.2	10.	27.5	45.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/51-04/28/69	18	73.5	72.722	91.	49.	109.742	10.476	58.	64.	80.25	86.5
00400	PH (STANDARD UNITS)	07/17/45-04/28/69	21	7.4	7.257	7.7	6.1	0.133	0.364	6.84	7.	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)	07/17/45-04/28/69	21	7.4	7.033	7.7	6.1	0.185	0.43	6.84	7.	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/45-04/28/69	21	0.04	0.093	0.794	0.02	0.027	0.165	0.025	0.032	0.1	0.147
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/28/69-04/28/69	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/01/29-04/28/69	21	35.	33.286	47.	16.	73.514	8.574	17.6	28.5	39.5	45.
00445	CARBONATE ION (MG/L AS CO3)	04/01/29-04/28/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/28/69-04/28/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/01/29-04/28/69	21	26.	24.667	33.	13.	22.333	4.726	17.4	22.	27.	31.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/10/46-04/28/69	20	0.	0.5	6.	0.	1.947	1.395	0.	0.	0.	1.9
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/01/29-04/28/69	21	6.	5.857	7.7	3.2	1.539	1.24	3.56	5.05	6.75	7.36
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/01/29-04/28/69	21	2.5	2.467	4.1	1.	0.474	0.689	1.4	2.05	2.85	3.26
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/01/29-04/28/69	20	5.35	5.105	7.5	2.8	1.408	1.187	3.25	4.325	5.925	6.59
00931	SODIUM ADSORPTION RATIO	04/28/69-04/28/69	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	04/28/69-04/28/69	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/29-04/28/69	9	1.7	1.644	2.1	1.1	0.133	0.364	1.1	1.3	2.	2.1
00940	CHLORIDE,TOTAL IN WATER MG/L	04/01/29-04/28/69	21	3.	3.333	5.	2.	0.633	0.796	2.	3.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/01/29-04/28/69	21	4.	4.286	9.	1.	4.114	2.028	2.	3.	6.	7.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/45-04/28/69	15	0.1	0.087	0.2	0.	0.003	0.052	0.	0.1	0.1	0.14
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/01/29-04/28/69	20	19.	18.76	24.	9.2	18.941	4.352	11.1	16.25	22.75	23.9
01046	IRON, DISSOLVED (UG/L AS FE)	04/28/69-04/28/69	1	110.	110.	110.	110.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/01/29-04/28/69	15	65.	61.667	71.	40.	77.952	8.829	43.	61.	66.	69.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/28/69-04/28/69	1	54.	54.	54.	54.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/28/69-04/28/69	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/01/29-04/28/69	20	0.45	0.51	1.3	0.1	0.123	0.351	0.11	0.2	0.75	1.09
71885	IRON (UG/L AS FE)	04/01/29-01/11/56	19	140.	136.842	300.	0.	8433.918	91.836	10.	50.	200.	280.

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

EPA Water Quality Criteria Analysis for Station: PETE0100

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	21	0	0.00	9	0	0.00	6	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	21	1	0.05	9	1	0.11	6	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	21	0	0.00	9	0	0.00	6	0	0.00	6	0	0.00			
		Drinking Water	250.	21	0	0.00	9	0	0.00	6	0	0.00	6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	21	0	0.00	9	0	0.00	6	0	0.00	6	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	15	0	0.00	6	0	0.00	6	0	0.00	3	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	20	0	0.00	9	0	0.00	6	0	0.00	5	0	0.00			

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

Station Inventory for Station: PETE0101

NPS Station ID: PETE0101 LAT/LON: 37.123892/ -77.547226 Agency: 21VASWCB Date Created: 04/13/96
Location: GRAVELLY RUN, RT. 1 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AGRV006.00
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: GRAVELLY RUN SECTION: 02 TOPO MAP #: 0032 TOPO MAP NAME: DINWIDDIE, VA

Parameter Inventory for Station: PETE0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	2	16.8	16.8	22.4	11.2	62.72	7.92	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	2	114.5	114.5	147.	82.	2112.5	45.962	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	2	3.15	3.15	6.	0.3	16.245	4.031	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/94-10/11/94	2	6.305	6.305	6.39	6.22	0.014	0.12	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/94-10/11/94	2	6.297	6.297	6.39	6.22	0.015	0.121	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/94-10/11/94	2	0.505	0.505	0.603	0.407	0.019	0.138	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	1	0.50	2	1	0.50									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									

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

Station Inventory for Station: PETE0102

NPS Station ID: PETE0102 LAT/LON: 37.226365/ -77.550837 Agency: 21VASWCB Date Created: / /
Location: LAKE CHESDIN, AT MOUTH OF LEONARD'S COVE FIPS State/County: 51041 VIRGINIA/CHESTERFIELD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-APP020.90 /VA2-06EX0015/VA2-4X0015
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207003 RF1 Mile Point: 16.250 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080207000309.15 RF3 Mile Point: 9.15 Distance from RF3: 0.01 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD LAKE STUDIES BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: APPOMATTOX RIVER SECTION: 06E TOPO MAP #: 0128 TOPO MAP NAME: SUTHERLAND, VA

Parameter Inventory for Station: PETE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/71-06/08/77	34	26.4	25.629	31.7	16.7	14.788	3.845	19.8	23.725	28.3	30.85
00300	OXYGEN, DISSOLVED MG/L	07/09/71-06/08/77	34	8.	7.876	12.	5.2	1.403	1.185	6.35	7.15	8.375	9.1
00400	PH (STANDARD UNITS)	07/09/71-06/08/77	35	7.5	7.437	8.5	6.2	0.302	0.549	6.76	7.	8.	8.2
00400	CONVERTED PH (STANDARD UNITS)	07/09/71-06/08/77	35	7.5	7.117	8.5	6.2	0.407	0.638	6.76	7.	8.	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/71-06/08/77	35	0.032	0.076	0.631	0.003	0.013	0.113	0.006	0.01	0.1	0.175
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/06/71-06/08/77	27 ##	0.05	0.057	0.19	0.03	0.001	0.029	0.048	0.05	0.05	0.076
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/71-06/08/77	27 ##	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)	08/06/71-06/08/77	27	0.025	0.033	0.15	0.005	0.001	0.031	0.005	0.01	0.03	0.068
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/71-06/08/77	27	0.3	0.363	0.8	0.1	0.032	0.178	0.18	0.2	0.5	0.62
01002	ARSENIC, TOTAL (UG/L AS AS)	08/06/71-05/13/76	3 ##	2.5	2.	2.5	1.	0.75	0.866	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/06/71-05/13/76	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/06/71-05/13/76	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/06/71-05/13/76	7 ##	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/06/71-05/13/76	6 ##	5.5	6.167	10.	5.	3.767	1.941	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/18/73-05/13/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/06/71-05/13/76	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-05/05/77	35 ##	50.	222.857	6000.	50.	1010638.655	1005.305	50.	50.	50.	70.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/20/71-05/05/77	35 ##	1.699	1.776	3.778	1.699	0.126	0.356	1.699	1.699	1.699	1.819
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			59.645								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/06/71-06/08/77	27 ##	0.05	0.052	0.1	0.05	0.	0.01	0.05	0.05	0.05	0.05
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/71-06/08/77	27 ##	0.05	0.032	0.05	0.005	0.	0.02	0.005	0.01	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	08/06/71-05/13/76	7 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0102

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	34	0	0.00	19	0	0.00	1	0	0.00	14	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	35	0	0.00	19	0	0.00	1	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	35	1	0.03	19	1	0.05	1	0	0.00	15	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	27	0	0.00	15	0	0.00	1	0	0.00	11	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	27	0	0.00	15	0	0.00	1	0	0.00	11	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00				2	0	0.00			
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.	6	0	0.00	3	0	0.00				3	0	0.00			
		Drinking Water	15.	6	0	0.00	3	0	0.00				3	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			
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.	35	1	0.03	19	0	0.00	1	0	0.00	15	1	0.07			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	2.	7	0	0.00	3	0	0.00				4	0	0.00			

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

Station Inventory for Station: PETE0103

NPS Station ID: PETE0103 | LAT/LON: 37.166115/ -77.552503 | Agency: 21VASWCB | Date Created: 04/13/96
Location: HATCHER RUN, RT. 631 BRIDGE | FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 5AHRA010.94
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 03010201 | Depth of Water: 0 | Aquifer:
Major Basin: 03-SOUTHEAST | Elevation: 0 | Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP | ECO Region:
RF1 Index: 03010201 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02080206000501.22 | RF3 Mile Point: 1.58 | Distance from RF3: 0.29 | On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: HATCHER RUN SECTION: 02 TOPO MAP #: 0031 TOPO MAP NAME: SUTHERLAND, VA

Parameter Inventory for Station: PETE0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/94-10/11/94	2	17.85	17.85	23.2	12.5	57.245	7.566	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/94-10/11/94	2	97.	97.	115.	79.	648.	25.456	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/94-10/11/94	2	2.65	2.65	3.1	2.2	0.405	0.636	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/94-10/11/94	2	6.455	6.455	6.64	6.27	0.068	0.262	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/94-10/11/94	2	6.417	6.417	6.64	6.27	0.071	0.267	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/94-10/11/94	2	0.383	0.383	0.537	0.229	0.047	0.218	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	2	2	1.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	1	0.50	2	1	0.50									

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

Station Inventory for Station: PETE0104

NPS Station ID: PETE0104
LAT/LON: 37.166670/ -77.583338
Agency: 21VA40WQ
Date Created: / /
Location: JAMES RIVER ABOVE BOSHERS DAM
FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JMS011.11 /VA1003A0002 /VA100100002
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03010201
Depth of Water: 0
Aquifer:
Major Basin: SOUTH ATLANTIC - 04
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER - 10
ECO Region:
RF1 Index: 03010201011
RF1 Mile Point: 25.390
Distance from RF1: 9.20
On/Off RF1: OFF
RF3 Index: 02080207010100.00
RF3 Mile Point: 0.94
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0104

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: PETE0105

NPS Station ID: PETE0105
LAT/LON: 37.066948/ -77.602782
Agency: 112WRD
Date Created: / /
Location: STONY CREEK NEAR DINWIDDIE, VA
FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 02046000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03010201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03010201
RF1 Mile Point: 0.000
Distance from RF1: 0.70
On/Off RF1:
RF3 Index: 02080207000310.41
RF3 Mile Point: 11.49
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: PETE0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	10/11/46-05/05/69	7	28.	30.014	78.	0.1	756.001	27.495	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/11/46-05/05/69	7	25.	26.714	45.	4.	239.905	15.489	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/52-05/05/69	4	63.	61.75	67.	54.	32.917	5.737	**	**	**	**
00400	PH (STANDARD UNITS)	10/11/46-05/05/69	7	7.	6.914	7.1	6.4	0.058	0.241	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/11/46-05/05/69	7	7.	6.841	7.1	6.4	0.064	0.254	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/46-05/05/69	7	0.1	0.144	0.398	0.079	0.013	0.114	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/69-05/05/69	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/11/46-05/05/69	7	30.	31.571	43.	22.	41.619	6.451	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/05/69-05/05/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/05/69-05/05/69	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/11/46-05/05/69	7	19.	19.571	24.	15.	10.286	3.207	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/11/46-05/05/69	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/11/46-05/05/69	7	4.8	4.671	5.8	3.2	0.809	0.899	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/11/46-05/05/69	7	1.7	1.871	2.6	1.6	0.146	0.382	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/11/46-05/05/69	7	5.6	5.957	8.7	4.4	2.256	1.502	**	**	**	**
00931	SODIUM ADSORPTION RATIO	05/05/69-05/05/69	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	05/05/69-05/05/69	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/52-05/05/69	4	1.4	1.375	1.9	0.8	0.309	0.556	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/11/46-05/05/69	7	4.	3.857	5.	3.	0.476	0.69	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/11/46-05/05/69	7	2.	1.857	3.	1.	0.476	0.69	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/11/46-05/05/69	7	0.1	0.129	0.3	0.	0.012	0.111	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/11/46-05/05/69	7	18.	18.429	28.	10.	32.619	5.711	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/05/69-05/05/69	1	410.	410.	410.	410.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/46-05/05/69	7	60.	60.714	80.	51.	88.571	9.411	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/05/69-05/05/69	1	44.	44.	44.	44.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/05/69-05/05/69	1	6.29	6.29	6.29	6.29	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/05/69-05/05/69	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/11/46-05/05/69	7	0.4	0.429	0.7	0.2	0.036	0.189	**	**	**	**
71885	IRON (UG/L AS FE)	10/11/46-01/17/56	6	390.	448.333	900.	130.	74136.667	272.28	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: PETE0105

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	7	1	0.14	3	0	0.00	3	1	0.33	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	250.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			

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

Station Inventory for Station: PETE0106

NPS Station ID: PETE0106 LAT/LON: 37.078892/ -77.603615 Agency: 21VASWCB Date Created: 04/13/96
Location: STONY CREEK, RT. 647 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5ASTO023.57
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: STONY CREEK SECTION: 02 TOPO MAP #: 0032 TOPO MAP NAME: DINWIDDIE, VA

Parameter Inventory for Station: PETE0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/94-09/15/94	1	19.2	19.2	19.2	19.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/15/94-09/15/94	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/15/94-09/15/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/15/94-09/15/94	1	6.53	6.53	6.53	6.53	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/15/94-09/15/94	1	6.53	6.53	6.53	6.53	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/94-09/15/94	1	0.295	0.295	0.295	0.295	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 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	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PETE0107

NPS Station ID: PETE0107 LAT/LON: 37.217504/ -77.615004 Agency: 21VASWCB Date Created: / /
Location: RT. 708 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-XEM001.19 /VA2-06EX0264/VA2-4X0264
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 25.30 On/Off RF1:
RF3 Index: 02080207009900.33 RF3 Mile Point: 1.18 Distance from RF3: 0.02 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: UNNAME WHIPPONOCK SECTION: 06E TOPO MAP #: 0128 TOPO MAP NAME: SUTHERLAND, VA

Parameter Inventory for Station: PETE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/30/74-06/09/76	16	21.1	21.456	25.	18.9	3.473	1.864	18.9	20.15	23.2	24.58
00300	OXYGEN, DISSOLVED MG/L	04/30/74-06/09/76	16	7.6	7.837	9.	7.	0.396	0.629	7.14	7.4	8.35	9.
00400	PH (STANDARD UNITS)	04/30/74-06/09/76	16	7.	6.95	7.5	6.5	0.052	0.228	6.57	6.8	7.	7.29
00400	CONVERTED PH (STANDARD UNITS)	04/30/74-06/09/76	16	7.	6.895	7.5	6.5	0.055	0.235	6.57	6.8	7.	7.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/74-06/09/76	16	0.1	0.127	0.316	0.032	0.005	0.07	0.054	0.1	0.158	0.271
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/30/74-06/09/76	14 ##	0.05	0.054	0.1	0.05	0.	0.013	0.05	0.05	0.05	0.075
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/30/74-06/09/76	14 ##	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)	04/30/74-06/09/76	14	0.08	0.091	0.27	0.01	0.005	0.069	0.018	0.025	0.12	0.215
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/30/74-06/09/76	14	0.3	0.379	1.	0.1	0.071	0.267	0.1	0.175	0.55	0.85
01002	ARSENIC, TOTAL (UG/L AS AS)	05/13/76-05/13/76	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/76-05/13/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/75-05/13/76	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/06/75-05/13/76	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/06/75-05/13/76	2	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/75-05/13/76	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/06/75-05/13/76	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/30/74-06/09/76	16 ##	50.	156.25	700.	50.	44625.	211.246	50.	50.	162.5	560.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/30/74-06/09/76	16 ##	1.699	1.933	2.845	1.699	0.187	0.432	1.699	1.699	2.151	2.743
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			85.75								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/30/74-06/09/76	14 ##	0.05	0.057	0.1	0.05	0.	0.018	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/30/74-06/09/76	14 ##	0.05	0.043	0.1	0.005	0.001	0.024	0.008	0.02	0.05	0.075
71900	MERCURY, TOTAL (UG/L AS HG)	06/06/75-05/13/76	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0107

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	7	0	0.00	1	0	0.00	8	0	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: PETE0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	16	0	0.00	7	0	0.00	1	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	16	1	0.06	7	1	0.14	1	0	0.00	8	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	6	0	0.00	1	0	0.00	7	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	6	0	0.00	1	0	0.00	7	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.	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			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00							2	0	0.00			
		Drinking Water	5000.	2	0	0.00							2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	16	4	0.25	7	2	0.29	1	0	0.00	8	2	0.25			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00							2	0	0.00			
		Drinking Water	2.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: PETE0108

NPS Station ID: PETE0108
LAT/LON: 37.220281/ -77.626392
Agency: 11EPALES
Date Created: / /
Location: WHIPPENOCK CREEK
FIPS State/County: 51000 VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 5111B1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: T/LAKE CHESDIN
Elevation: 0
Water Body Id:
Minor Basin: RT 708 BRDG 4 MI NW OF SUTHERLAND
ECO Region:
RF1 Index: 02080206
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02080207000500.00
RF3 Mile Point: 0.75
Distance from RF3: 0.05
On/Off RF3:
Description:
AT BRIDGE ON RT 708 APPROX 4 MI NW OF SUTHERLAND

Parameter Inventory for Station: PETE0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/73-05/05/74	11	0.046	0.055	0.115	0.012	0.001	0.037	0.014	0.024	0.08	0.114
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/14/73-05/05/74	11	0.003	0.004	0.008	0.002	0.	0.002	0.002	0.002	0.007	0.008
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/73-05/05/74	11	0.1	0.121	0.29	0.04	0.005	0.073	0.042	0.064	0.16	0.27
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/14/73-05/05/74	11	0.55	0.765	2.94	0.17	0.617	0.785	0.196	0.3	1.	2.592
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/14/73-05/05/74	11	0.11	0.123	0.29	0.04	0.005	0.072	0.044	0.06	0.16	0.27
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/73-05/05/74	11	0.055	0.049	0.095	0.015	0.001	0.024	0.016	0.025	0.06	0.089
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/14/73-05/05/74	11	0.023	0.022	0.037	0.01	0.	0.009	0.01	0.012	0.03	0.036

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

EPA Water Quality Criteria Analysis for Station: PETE0108

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-3/09----------			----------3/10-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			

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

Station Inventory for Station: PETE0109

NPS Station ID: PETE0109 LAT/LON: 37.220003/ -77.626560 Agency: 21VASWCB Date Created: / /
Location: RT. 708 BRIDGE, LAKE CHESDIN FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-WNK003.38 /VA2-06EX0256/VA2-4X0256
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 10.40 On/Off RF1:
RF3 Index: 02080207000312.78 RF3 Mile Point: 13.06 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: WHIPPONOCK CREEK SECTION: 06E TOPO MAP #: 0122 TOPO MAP NAME: CHURCH ROAD, VA

Parameter Inventory for Station: PETE0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/71-07/17/96	45	22.8	21.344	26.7	2.8	30.878	5.557	11.56	20.	25.05	25.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/27/94-07/17/96	8	10.15	9.875	14.6	4.9	13.579	3.685	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/20/95-07/17/96	6	88.	85.5	95.	73.	70.7	8.408	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-07/17/96	8	76.5	79.5	102.	68.	138.	11.747	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	10/23/95-10/23/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/94-07/17/96	9	8.	8.611	12.6	5.5	7.119	2.668	5.5	6.1	11.55	12.6
00300	OXYGEN, DISSOLVED MG/L	06/22/71-05/13/76	36	7.2	7.281	9.2	5.7	0.794	0.891	6.	6.6	8.	8.6
00310	BOD, 5 DAY, 20 DEG C MG/L	09/06/71-07/17/96	9	1.6	1.444	2.2	0.5	0.365	0.604	0.5	0.95	2.	2.2
00340	COD, .25N K2CR2O7 MG/L	07/27/94-07/17/96	8	19.	20.875	38.	15.	55.839	7.473	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/71-07/17/96	46	6.68	6.69	7.8	6.2	0.097	0.312	6.344	6.5	6.9	7.
00400	CONVERTED PH (STANDARD UNITS)	06/22/71-07/17/96	46	6.68	6.604	7.8	6.2	0.105	0.324	6.344	6.5	6.9	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/71-07/17/96	46	0.209	0.249	0.631	0.016	0.02	0.141	0.1	0.126	0.316	0.453
00403	PH, LAB, STANDARD UNITS SU	07/27/94-07/17/96	8	6.7	6.675	7.	6.3	0.068	0.26	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/94-07/17/96	8	6.7	6.608	7.	6.3	0.073	0.27	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-07/17/96	8	0.2	0.247	0.501	0.1	0.021	0.145	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-07/17/96	8	16.5	17.625	29.	11.	39.696	6.301	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/27/94-07/17/96	8	64.	67.375	86.	49.	193.696	13.917	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/27/94-07/17/96	8	21.5	21.375	31.	12.	41.125	6.413	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/27/94-07/17/96	8	47.5	46.	60.	31.	102.286	10.114	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/27/94-07/17/96	8	6.	6.5	10.	3.	4.571	2.138	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/27/94-07/17/96	8 ##	1.5	1.75	3.	1.5	0.286	0.535	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/27/94-07/17/96	8	4.	4.313	7.	1.5	2.924	1.71	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/71-07/17/96	36 ##	0.05	0.051	0.12	0.005	0.001	0.023	0.02	0.05	0.05	0.093
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	36 ##	0.005	0.011	0.04	0.005	0.	0.01	0.005	0.005	0.01	0.023
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	36	0.105	0.236	3.599	0.02	0.346	0.588	0.02	0.07	0.19	0.301
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/07/71-07/17/96	36	0.5	0.539	1.299	0.1	0.068	0.26	0.27	0.325	0.7	0.86
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/94-07/17/96	9	0.04	0.046	0.06	0.03	0.	0.01	0.03	0.04	0.055	0.06
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/27/94-07/17/96	8	6.75	6.813	8.9	5.5	1.356	1.164	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/20/95-11/20/95	1	1.287	1.287	1.287	1.287	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/94-07/17/96	8	22.	23.375	43.	12.	113.696	10.663	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/27/94-07/17/96	8	8.	8.625	12.	6.	3.696	1.923	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-07/17/96	8	3.5	3.625	6.	1.	2.768	1.664	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/06/71-05/13/76	4 ##	1.75	1.625	2.5	0.5	1.063	1.031	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: PETE0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/20/95-11/20/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/20/95-11/20/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/06/71-05/13/76	5 ##	5.	4.1	5.	0.5	4.05	2.012	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/20/95-11/20/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/20/95-11/20/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/06/71-05/13/76	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/06/71-05/13/76	8 ##	5.	6.25	10.	5.	5.357	2.315	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/20/95-11/20/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/06/71-05/13/76	7	5.	8.143	20.	3.	33.476	5.786	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/20/95-11/20/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/20/95-11/20/95	1	240.	240.	240.	240.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/18/73-05/13/76	4 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/20/95-11/20/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/20/95-11/20/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/06/71-05/13/76	8 ##	5.	13.125	50.	5.	249.554	15.797	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/20/95-11/20/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/20/95-11/20/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	11/20/95-11/20/95	1	3060.	3060.	3060.	3060.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/20/95-11/20/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	11/20/95-11/20/95	1	4180.	4180.	4180.	4180.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/27/94-07/17/96	9	45.	123.667	490.	9.	29599.5	172.045	9.	14.5	225.	490.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/27/94-07/17/96	9	1.653	1.715	2.69	0.954	0.383	0.619	0.954	1.128	2.286	2.69
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			51.843								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/22/71-06/09/76	35	100.	451.429	4200.	50.	759189.076	871.315	50.	50.	300.	1920.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/22/71-06/09/76	35	2.	2.189	3.623	1.699	0.326	0.571	1.699	1.699	2.477	3.282
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			154.451								
34480	THALLIUM DRY WGTBOTMG/KG	11/20/95-11/20/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	11/20/95-11/20/95	1 ##	45.	45.	45.	45.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/20/95-11/20/95	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/20/95-11/20/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/20/95-11/20/95	1 ##	145.	145.	145.	145.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/20/95-11/20/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	11/20/95-11/20/95	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	08/07/71-06/09/76	27 ##	0.05	0.065	0.2	0.05	0.001	0.033	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/71-07/17/96	35	0.04	0.04	0.1	0.005	0.	0.018	0.01	0.03	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	08/06/71-05/13/76	8 ##	0.25	0.344	1.	0.25	0.07	0.265	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/20/95-11/20/95	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	11/20/95-11/20/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	11/20/95-11/20/95	1 ##	45.	45.	45.	45.	0.	0.	**	**	**	**
82007	PERCENT SAND IN SEDIMENT ON A DRY WEIGHT BASIS	11/20/95-11/20/95	1	84.19	84.19	84.19	84.19	0.	0.	**	**	**	**
82008	SEDIMENT PRCTL.SIZE CLASS .0039-.0625 SILT %DRY WT	11/20/95-11/20/95	1	12.02	12.02	12.02	12.02	0.	0.	**	**	**	**
82009	SEDIMENT PRCTL.SIZE CLASS <.0039 CLAY %DRY WT	11/20/95-11/20/95	1	3.79	3.79	3.79	3.79	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	36	0	0.00	21	0	0.00	1	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	46	0	0.00	24	0	0.00	5	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	46	18	0.39	24	7	0.29	5	4	0.80	17	7	0.41			
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	3	0.38	2	0	0.00	4	3	0.75	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PETE0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	36	0	0.00	19	0	0.00	5	0	0.00	12	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	36	0	0.00	19	0	0.00	5	0	0.00	12	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	250.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00				2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	0	0.00	1	0	0.00									
		Drinking Water	5.	1 &	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	4	0	0.00				4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	1300.	8	0	0.00	4	0	0.00				4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	15.	7	1	0.14	4	1	0.25				3	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	5000.	8	0	0.00	4	0	0.00				4	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	2	0.22	3	0	0.00	4	1	0.25	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	35	15	0.43	20	9	0.45	1	0	0.00	14	6	0.43			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	2.	8	0	0.00	4	0	0.00				4	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station PETE0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/71-07/17/96	23	24.4	23.843	26.7	18.3	4.481	2.117	21.1	22.8	25.6	26.7
00400p	PH (STANDARD UNITS)	06/22/71-07/17/96	24	6.7	6.737	7.8	6.2	0.124	0.352	6.365	6.5	6.85	7.35
00400p	CONVERTED PH (STANDARD UNITS)	06/22/71-07/17/96	24	6.7	6.637	7.8	6.2	0.134	0.367	6.365	6.5	6.85	7.35
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/71-07/17/96	24	0.2	0.231	0.631	0.016	0.019	0.137	0.045	0.144	0.316	0.432
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/71-07/17/96	19	0.05	0.057	0.12	0.005	0.001	0.024	0.04	0.05	0.06	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	19	0.01	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	19	0.1	0.139	0.63	0.02	0.016	0.128	0.025	0.09	0.16	0.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/07/71-07/17/96	19	0.5	0.532	1.	0.2	0.041	0.203	0.3	0.4	0.7	0.8
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/71-07/17/96	18	0.04	0.044	0.1	0.01	0.	0.02	0.01	0.04	0.05	0.073

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

Seasonal Analysis for Season #2: 10/16 to 3/09 - Station PETE0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/71-07/17/96	5	8.9	9.24	19.4	2.8	43.243	6.576	**	**	**	**
00400p	PH (STANDARD UNITS)	06/22/71-07/17/96	5	6.33	6.366	6.51	6.2	0.018	0.135	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/22/71-07/17/96	5	6.33	6.349	6.51	6.2	0.019	0.137	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/71-07/17/96	5	0.468	0.447	0.631	0.309	0.019	0.137	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/71-07/17/96	5 ##	0.02	0.026	0.05	0.02	0.	0.013	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	5 ##	0.005	0.013	0.04	0.005	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	5 ##	0.025	0.067	0.22	0.02	0.007	0.086	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/07/71-07/17/96	5	0.4	0.36	0.5	0.2	0.013	0.114	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/71-07/17/96	5	0.02	0.021	0.03	0.005	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

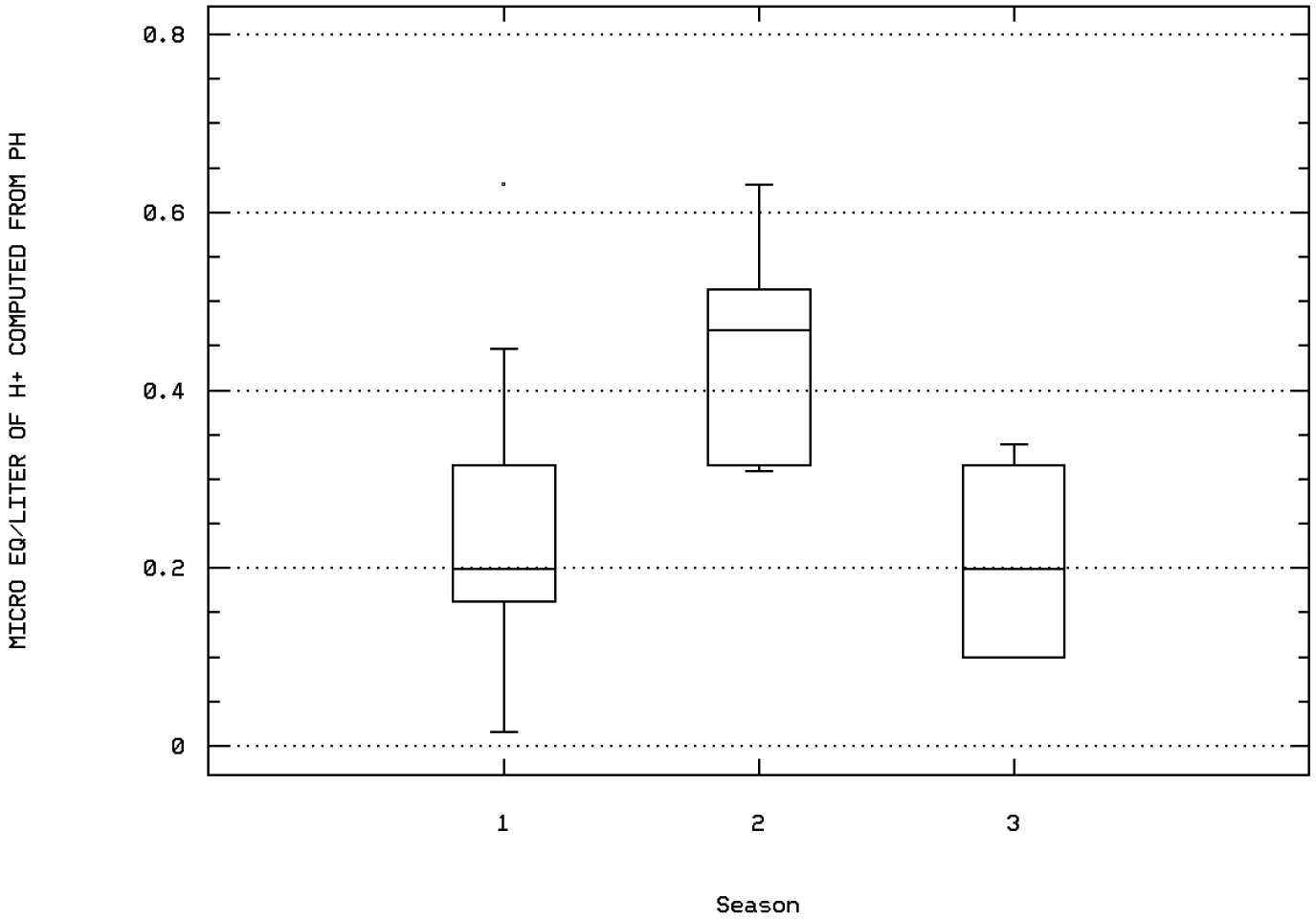
Seasonal Analysis for Season #3: 3/10 to 6/30 - Station PETE0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/71-07/17/96	17	22.2	21.524	25.6	12.	13.143	3.625	16.64	18.35	24.15	25.6
00400p	PH (STANDARD UNITS)	06/22/71-07/17/96	17	6.7	6.718	7.	6.47	0.054	0.233	6.494	6.5	7.	7.
00400p	CONVERTED PH (STANDARD UNITS)	06/22/71-07/17/96	17	6.7	6.664	7.	6.47	0.057	0.239	6.494	6.5	7.	7.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/71-07/17/96	17	0.2	0.217	0.339	0.1	0.01	0.102	0.1	0.1	0.316	0.321
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/07/71-07/17/96	12 ##	0.05	0.052	0.1	0.02	0.	0.017	0.029	0.05	0.05	0.085
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	12 ##	0.005	0.01	0.04	0.005	0.	0.011	0.005	0.005	0.009	0.034
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/07/71-07/17/96	12	0.19	0.461	3.599	0.02	0.987	0.994	0.032	0.1	0.243	2.645
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/07/71-07/17/96	12	0.6	0.625	1.299	0.1	0.12	0.346	0.16	0.325	0.8	1.239
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/71-07/17/96	12 ##	0.05	0.043	0.05	0.01	0.	0.013	0.016	0.033	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

Station: PETE0109 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 708 BRIDGE, LAKE CHESDIN

Station Inventory for Station: PETE0110

NPS Station ID: PETE0110 LAT/LON: 37.078059/ -77.646115 Agency: 21VASWCB Date Created: 04/13/96
Location: ROCKY RUN CREEK, RT. 738 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5ARRO000.92
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: ROCKY RUN CREEK SECTION: 02 TOPO MAP #: 0026 TOPO MAP NAME: DE WITT, VA

Parameter Inventory for Station: PETE0110

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: PETE0111

NPS Station ID: PETE0111 LAT/LON: 37.088059/ -77.656949 Agency: 21VASWCB Date Created: 04/13/96
Location: STONY CREEK, RT. 645 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5ASTO028.19
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: STONY CREEK SECTION: 02 TOPO MAP #: 0026 TOPO MAP NAME: DE WITT, VA

Parameter Inventory for Station: PETE0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/94-09/15/94	1	18.4	18.4	18.4	18.4	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/15/94-09/15/94	1	107.	107.	107.	107.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/15/94-09/15/94	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/15/94-09/15/94	1	6.82	6.82	6.82	6.82	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/15/94-09/15/94	1	6.82	6.82	6.82	6.82	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/94-09/15/94	1	0.151	0.151	0.151	0.151	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PETE0111

				Total	Exceed	Prop.	7/01-10/15			10/16-3/09			3/10-6/30			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PETE0112

NPS Station ID: PETE0112 LAT/LON: 37.092227/ -77.663060 Agency: 21VASWCB Date Created: 04/13/96
Location: WHITE OAK CREEK, RT. 624 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AWOK000.54
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: WHITE OAK CREEK SECTION: 02 TOPO MAP #: 0026 TOPO MAP NAME: DE WITT, VA

Parameter Inventory for Station: PETE0112

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: PETE0113

NPS Station ID: PETE0113 LAT/LON: 37.110003/ -77.686948 Agency: 21VASWCB Date Created: 04/13/96
Location: WHITE OAK CREEK, RT. 613 BRIDGE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5AWOK003.23
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: WHITE OAK CREEK SECTION: 02 TOPO MAP #: 0026 TOPO MAP NAME: DE WITT, VA

Parameter Inventory for Station: PETE0113

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: PETE0114

NPS Station ID: PETE0114 LAT/LON: 37.087781/ -77.699726 Agency: 21VASWCB Date Created: 06/04/94
Location: BUTTERWOOD CREEKM RT. 646 BRIDGEE FIPS State/County: 51053 VIRGINIA/DINWIDDIE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 5ABTR002.80
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03010201 Depth of Water: 0 Aquifer:
Major Basin: 03-SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: 5-CHOWAN + DISMAL SWAMP ECO Region:
RF1 Index: 03010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206000501.22 RF3 Mile Point: 1.58 Distance from RF3: 0.29 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 5A CHOWAN REGION: 4 PIEDMONT
RIVER: BUTTERWOOD CREEK SECTION: 02 TOPO MAP #: 0026 TOPO MAP NAME: DE WITT, VA

Parameter Inventory for Station: PETE0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/94-03/28/96	8	16.5	15.163	22.1	7.6	34.686	5.889	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/14/94-06/17/96	8	7.9	8.938	13.8	4.2	13.648	3.694	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/15/94-03/28/96	5	87.	92.2	112.	75.	284.7	16.873	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/94-06/17/96	8	73.5	80.25	111.	62.	311.929	17.661	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/94-03/28/96	8	6.6	5.875	9.1	2.2	8.665	2.944	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/14/94-06/17/96	8	1.45	1.413	2.	0.5	0.278	0.528	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	09/14/94-06/17/96	8	25.	24.625	30.	18.	11.982	3.462	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/94-03/28/96	8	6.5	6.461	6.65	6.26	0.017	0.13	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/94-03/28/96	8	6.5	6.444	6.65	6.26	0.017	0.131	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/94-03/28/96	8	0.317	0.36	0.55	0.224	0.012	0.111	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/14/94-06/17/96	8	6.8	6.838	7.2	6.5	0.043	0.207	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/14/94-06/17/96	8	6.8	6.796	7.2	6.5	0.045	0.211	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/94-06/17/96	8	0.158	0.16	0.316	0.063	0.006	0.076	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/94-06/17/96	8	26.	28.25	43.	16.	124.786	11.171	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/14/94-06/17/96	8	80.5	79.75	95.	56.	161.071	12.691	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/14/94-06/17/96	8	25.5	25.75	35.	17.	35.643	5.97	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	09/14/94-06/17/96	8	55.	54.	66.	34.	132.286	11.502	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/14/94-06/17/96	8	4.	5.188	13.	1.5	13.567	3.683	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/14/94-06/17/96	8 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/14/94-06/17/96	8 ##	2.25	3.5	11.	1.5	10.714	3.273	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/94-06/17/96	8 ##	0.02	0.03	0.06	0.02	0.	0.019	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/14/94-06/17/96	8 ##	0.005	0.009	0.03	0.005	0.	0.009	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/14/94-06/17/96	8 ##	0.02	0.035	0.1	0.02	0.001	0.028	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/14/94-06/17/96	8	0.5	0.5	0.7	0.3	0.014	0.12	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/14/94-06/17/96	8	0.055	0.051	0.06	0.04	0.	0.01	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/14/94-06/17/96	8	8.3	8.637	10.5	6.8	2.066	1.437	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/14/94-06/17/96	8	21.	26.125	45.	16.	103.268	10.162	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/14/94-06/17/96	8	4.	3.875	6.	2.	2.054	1.433	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/14/94-06/17/96	8 ##	2.25	1.938	4.	0.5	1.746	1.321	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/06/95-06/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/06/95-06/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/95-06/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/95-06/06/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PETE0114

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)	06/06/95-06/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/06/95-06/06/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/06/95-06/06/95	1	390.	390.	390.	390.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/95-06/06/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	06/06/95-06/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/06/95-06/06/95	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	06/06/95-06/06/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	06/06/95-06/06/95	1	5570.	5570.	5570.	5570.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/06/95-06/06/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/06/95-06/06/95	1	9800.	9800.	9800.	9800.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/14/94-06/17/96	8	94.	99.75	210.	20.	4467.643	66.84	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/14/94-06/17/96	8	1.956	1.894	2.322	1.301	0.12	0.346	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			78.32								
34480	THALLIUM DRY WGTBOTMG/KG	06/06/95-06/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/06/95-06/06/95	1 ##	38.5	38.5	38.5	38.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	1 ##	26.5	26.5	26.5	26.5	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/06/95-06/06/95	1 ##	41.	41.	41.	41.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	1 ##	23.	23.	23.	23.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	1 ##	24.	24.	24.	24.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	1 ##	21.	21.	21.	21.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/06/95-06/06/95	1 ##	25.5	25.5	25.5	25.5	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	1 ##	41.	41.	41.	41.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/06/95-06/06/95	1 ##	122.5	122.5	122.5	122.5	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/06/95-06/06/95	1 ##	21.5	21.5	21.5	21.5	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/06/95-06/06/95	1 ##	62.	62.	62.	62.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/14/94-06/17/96	8	0.035	0.034	0.05	0.02	0.	0.011	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/06/95-06/06/95	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/06/95-06/06/95	1 ##	25.5	25.5	25.5	25.5	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/06/95-06/06/95	1 ##	38.5	38.5	38.5	38.5	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: PETE0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	8	3	0.38	3	3	1.00	3	0	0.00	2	0	0.00			
00400	PH	Other-Hi Lim.	9.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	4	0.50	3	0	0.00	3	2	0.67	2	2	1.00			
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	8	1	0.13	2	0	0.00	3	1	0.33	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	250.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	8	1	0.13	2	0	0.00	3	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

EPA Water Quality Criteria Analysis for Entire PETE Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	282	24	0.09	87	2	0.02	102	20	0.20	93	2	0.02			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	463	44	0.10	117	3	0.03	189	27	0.14	157	14	0.09			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1799	31	0.02	584	26	0.04	572	0	0.00	643	5	0.01			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2585	238	0.09	901	75	0.08	647	26	0.04	1037	137	0.13			
00400	PH	Other-Hi Lim.	9.	3090	60	0.02	1067	22	0.02	933	15	0.02	1090	23	0.02			
		Other-Lo Lim.	6.5	3090	328	0.11	1067	84	0.08	933	124	0.13	1090	120	0.11			
00403	PH, LAB	Other-Hi Lim.	9.	693	5	0.01	190	2	0.01	258	1	0.00	245	2	0.01			
		Other-Lo Lim.	6.5	693	39	0.06	190	3	0.02	258	19	0.07	245	17	0.07			
00406	PH, FIELD	Other-Hi Lim.	9.	96	0	0.00	6	0	0.00	30	0	0.00	60	0	0.00			
		Other-Lo Lim.	6.5	96	9	0.09	6	3	0.50	30	2	0.07	60	4	0.07			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	898	0	0.00	233	0	0.00	357	0	0.00	308	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1813	8	0.00	628	4	0.01	534	1	0.00	651	3	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	840	0	0.00	221	0	0.00	327	0	0.00	292	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1660	1	0.00	577	0	0.00	472	0	0.00	611	1	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	275	0	0.00	103	0	0.00	95	0	0.00	77	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	341	0	0.00	93	0	0.00	156	0	0.00	92	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	679	0	0.00	227	0	0.00	224	0	0.00	228	0	0.00			
		Drinking Water	250.	679	1	0.00	227	0	0.00	224	1	0.00	228	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	515	0	0.00	149	0	0.00	205	0	0.00	161	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	115	0	0.00	35	0	0.00	53	0	0.00	27	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	181	0	0.00	45	0	0.00	72	0	0.00	64	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
		Drinking Water	50.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	50.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	133	0	0.00	17	0	0.00	37	0	0.00	79	0	0.00			
		Drinking Water	50.	133	1	0.01	17	0	0.00	37	1	0.03	79	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
01006	BARIUM, SUSPENDED	Drinking Water	2000.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	33	0	0.00	8	0	0.00	18	0	0.00	7	0	0.00			
		Drinking Water	4.	33	0	0.00	8	0	0.00	18	0	0.00	7	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	4	0	0.00	2	0	0.00	2	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	45	0	0.00	10	0	0.00	24	0	0.00	11	0	0.00			
		Drinking Water	5.	45	0	0.00	10	0	0.00	24	0	0.00	11	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	5.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	26 &	3	0.12	3	0	0.00	10	0	0.00	13	3	0.23			
		Drinking Water	5.	26 &	2	0.08	3	0	0.00	10	0	0.00	13	2	0.15			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	249	0	0.00	51	0	0.00	61	0	0.00	137	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	46	0	0.00	11	0	0.00	24	0	0.00	11	0	0.00			
		Drinking Water	1300.	46	0	0.00	11	0	0.00	24	0	0.00	11	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	1300.	12	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	253	29	0.11	54	1	0.02	63	12	0.19	136	16	0.12			
		Drinking Water	1300.	253	0	0.00	54	0	0.00	63	0	0.00	136	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	45	0	0.00	10	0	0.00	24	0	0.00	11	0	0.00			
		Drinking Water	15.	45	1	0.02	10	0	0.00	24	0	0.00	11	1	0.09			
01050	LEAD, SUSPENDED	Fresh Acute	82.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	15.	9	1	0.11	1	0	0.00	5	1	0.20	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	223	2	0.01	50	0	0.00	61	0	0.00	112	2	0.02			
		Drinking Water	15.	222 &	33	0.15	50	4	0.08	61	15	0.25	111	14	0.13			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	4	0	0.00	2	0	0.00	2	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	144	0	0.00	12	0	0.00	42	0	0.00	90	0	0.00			
		Drinking Water	100.	144	0	0.00	12	0	0.00	42	0	0.00	90	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	100.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			

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

EPA Water Quality Criteria Analysis for Entire PETE Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-3/09 Obs	10/16-3/09 Exceed	10/16-3/09 Prop.	3/10-6/30 Obs	3/10-6/30 Exceed	3/10-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	69	0	0.00	10	0	0.00	31	0	0.00	28	0	0.00			
		Drinking Water	100.	69	0	0.00	10	0	0.00	31	0	0.00	28	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
		Drinking Water	100.	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
01076	SILVER, SUSPENDED	Fresh Acute	4.1	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	14	0	0.00	4	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	100.	14	0	0.00	4	0	0.00	7	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
		Drinking Water	5000.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	249	16	0.06	51	1	0.02	61	6	0.10	137	9	0.07			
		Drinking Water	5000.	249	0	0.00	51	0	0.00	61	0	0.00	137	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
		Drinking Water	50.	52	0	0.00	12	0	0.00	27	0	0.00	13	0	0.00			
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	50.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	49	3	0.06	11	0	0.00	23	2	0.09	15	1	0.07			
		Drinking Water	50.	49	0	0.00	11	0	0.00	23	0	0.00	15	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	123	66	0.54	60	28	0.47	21	19	0.90	42	19	0.45			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	75	35	0.47	41	13	0.32	10	7	0.70	24	15	0.63			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	8	6	0.75							8	6	0.75			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	273	121	0.44	112	39	0.35	84	51	0.61	77	31	0.40			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1815 &	739	0.41	629	239	0.38	513	247	0.48	673	253	0.38			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	94	10	0.11	25	4	0.16	44	6	0.14	25	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	5	0	0.00	1	0	0.00				4	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	5	0	0.00	1	0	0.00				4	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	1.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	23	0	0.00	4	0	0.00	8	0	0.00	11	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	5	0	0.00	1	0	0.00				4	0	0.00			
		Drinking Water	0.2	5	0	0.00	1	0	0.00				4	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	2.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00				1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	16	0	0.00	4	0	0.00	4	0	0.00	8	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	2.	15	0	0.00	4	0	0.00	4	0	0.00	7	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	5	0	0.00	1	0	0.00				4	0	0.00			
		Drinking Water	3.	5	0	0.00	1	0	0.00				4	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	5	0	0.00	1	0	0.00				4	0	0.00			
		Drinking Water	0.4	5	0	0.00	1	0	0.00				4	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	5	0	0.00	1	0	0.00				4	0	0.00			
		Drinking Water	0.2	5	0	0.00	1	0	0.00				4	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	10	0	0.00	3	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 Entire PETE Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-3/09---------- Obs	Exceed	Prop.	----------3/10-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	8	0	0.00				4	0	0.00	4	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	1.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	4	0	0.00							4	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	4	0	0.00							4	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	28	13	0.46	25	13	0.52				3	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	27	0	0.00	12	0	0.00	9	0	0.00	6	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	46	0	0.00	10	0	0.00	24	0	0.00	12	0	0.00			
		Drinking Water	2.	46	0	0.00	10	0	0.00	24	0	0.00	12	0	0.00			
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	2.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	243 &	0	0.00	52	0	0.00	60	0	0.00	131	0	0.00			
		Drinking Water	2.	243 &	0	0.00	52	0	0.00	60	0	0.00	131	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	62	5	0.08	18	1	0.06	24	2	0.08	20	2	0.10			

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

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

There are STORET Data for Every Level I I&M Parameter Group Within the PETE Study Area

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the PETE Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	735	557	123	55	30
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	30	0	27	3	10
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1	0	0	1	1
00440	BICARBONATE ION (MG/L AS HCO3)	68	0	4	64	3
00445	CARBONATE ION (MG/L AS CO3)	42	0	4	38	3
		876	557	158	161	47 (30)[!]

pH		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	3436	1909	908	619	73
00403	PH, LAB (STANDARD UNITS)	698	575	86	37	21
00406	PH, FIELD (STANDARD UNITS)	96	96	0	0	6
		4230	2580	994	656	100 (80)[!]

Conductivity		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	2637	2193	428	16	45
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1000	904	58	38	16
00096	SALINITY AT 25 DEGREES C (MG/ML)	1700	1656	44	0	10
00480	SALINITY - PARTS PER THOUSAND	11	0	8	3	6
		5348	4753	538	57	77 (50)[!]

Dissolved Oxygen		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	2151	2089	62	0	27
00300	OXYGEN, DISSOLVED (MG/L)	2679	878	904	897	49
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	1	0	1	0	1
		4831	2967	967	897	77 (67)[!]

Water Temperature		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	4716	2846	966	904	68
		4716	2846	966	904	68 (68)[!]

Flow		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00060	FLOW, STREAM, MEAN DAILY CFS	62	0	0	62	2
00061	FLOW, STREAM, INSTANTANEOUS CFS	319	261	58	0	1
00065	STAGE, STREAM (FEET)	214	211	3	0	1
00067	TIDE STAGE CODE	1316	906	222	188	28
		1911	1378	283	250	32 (30)[!]

[!]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	295	219	60	16	16
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	549	506	43	0	11
00077	TRANSPARENCY, SECCHI DISC (INCHES)	3	0	0	3	1
00078	TRANSPARENCY, SECCHI DISC (METERS)	427	336	91	0	15
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	2184	1479	551	154	30
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	62	62	0	0	2
		3520	2602	745	173	75 (34)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	26	0	26	0	1
00602	NITROGEN, DISSOLVED (MG/L AS N)	10	0	10	0	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	26	0	26	0	1
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10	0	10	0	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	1284	1215	69	0	4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1966	576	894	496	47
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	1193	1167	26	0	4
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	1664	535	704	425	42
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	56	1	55	0	10
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	3009	1586	925	498	47
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	275	13	169	93	20
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	357	301	56	0	12
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14	0	14	0	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	19	0	19	0	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	63	0	0	63	2
		9972	5394	3003	1575	194 (49)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	52	0	2	50	6
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	60	0	2	58	5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	2099	1589	472	38	27
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	1214	1127	87	0	4
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	2018	1555	425	38	24
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	875	0	474	401	29
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	1077	211	466	400	32
		7395	4482	1928	985	127 (49)[1]

Chlorophyll		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	63	0	63	0	9
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	16	1	6	9	4
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	1	1	0	0	1
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	3	0	0	3	1
		83	2	69	12	15 (14)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	525	414	47	64	15
00945	SULFATE, TOTAL (MG/L AS SO4)	552	440	48	64	14
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	150	46	46	58	3
		1227	900	141	186	32 (16)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Bacteria		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31503	COLIFORM, TOT, MEMBRANE FILTER,DELAY,M-ENDOMED,35C	1	0	0	1	1
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	123	0	1	122	11
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	127	100	27	0	10
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	8	8	0	0	2
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	273	246	0	27	14
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	1888	619	806	463	43
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	94	48	46	0	1
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	95	49	46	0	1
		2609	1070	926	613	83 (50)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01000	ARSENIC, DISSOLVED (UG/L AS AS)	47	24	23	0	1
01001	ARSENIC, SUSPENDED (UG/L AS AS)	8	0	8	0	1
01002	ARSENIC, TOTAL (UG/L AS AS)	133	43	65	25	23
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	33	24	9	0	1
01012	BERYLLIUM, TOTAL (UG/L AS BE)	4	4	0	0	2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	45	24	21	0	1
01026	CADMIUM, SUSPENDED (UG/L AS CD)	8	0	8	0	1
01027	CADMIUM, TOTAL (UG/L AS CD)	157	43	64	50	24
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	47	24	23	0	1
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	9	0	9	0	1
01034	CHROMIUM, TOTAL (UG/L AS CR)	249	43	110	96	28
01040	COPPER, DISSOLVED (UG/L AS CU)	46	24	22	0	1
01041	COPPER, SUSPENDED (UG/L AS CU)	12	0	12	0	1
01042	COPPER, TOTAL (UG/L AS CU)	253	43	115	95	28
01049	LEAD, DISSOLVED (UG/L AS PB)	45	24	21	0	1
01050	LEAD, SUSPENDED (UG/L AS PB)	9	0	9	0	1
01051	LEAD, TOTAL (UG/L AS PB)	223	43	107	73	24
71890	MERCURY, DISSOLVED (UG/L AS HG)	46	23	23	0	1
71895	MERCURY, SUSPENDED (UG/L AS HG)	9	0	9	0	1
71900	MERCURY, TOTAL (UG/L AS HG)	244	43	111	90	28
01065	NICKEL, DISSOLVED (UG/L AS NI)	144	29	95	20	26
01066	NICKEL, SUSPENDED (UG/L AS NI)	6	0	6	0	1
01067	NICKEL, TOTAL (UG/L AS NI)	69	42	27	0	9
01145	SELENIUM, DISSOLVED (UG/L AS SE)	52	29	23	0	1
01146	SELENIUM, SUSPENDED (UG/L AS SE)	8	0	8	0	1
01147	SELENIUM, TOTAL (UG/L AS SE)	49	37	12	0	5
01075	SILVER, DISSOLVED (UG/L AS AG)	52	29	23	0	1
01076	SILVER, SUSPENDED (UG/L AS AG)	8	0	8	0	1
01077	SILVER, TOTAL (UG/L AS AG)	14	0	14	0	1
01059	THALLIUM, TOTAL (UG/L AS TL)	4	4	0	0	2
01090	ZINC, DISSOLVED (UG/L AS ZN)	47	24	23	0	1
01091	ZINC, SUSPENDED (UG/L ZN)	8	0	8	0	1
01092	ZINC, TOTAL (UG/L AS ZN)	249	43	110	96	28
32104	BROMOFORM, WHOLE WATER, (UG/L)	1	0	1	0	1
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	1	0	1	0	1
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	1	0	1	0	1
32106	CHLOROFORM, WHOLE WATER (UG/L)	1	0	1	0	1
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	1	0	1	0	1
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	1	0	1	0	1
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	5
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	23	5	18	0	11
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	5	5	0	0	5
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	5	5	0	0	5
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	5	5	0	0	5
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	5	5	0	0	5
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	10	0	10	0	5
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	16	5	10	1	7
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	5	5	0	0	5

Toxic Elements - Continued ...		Total Obs.	01/01/85 to 08/20/96	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	5	5	0	0	5
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	5	5	0	0	5
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	15	5	10	0	7
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5
34671	PCB - 1016, TOTAL (UG/L)	5	5	0	0	5
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	5
		2561	781	1230	550	400 (30)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	876	557	63.6	30	30.3	29.2	04/01/29-08/13/96	13.0
pH	4230	2580	61.0	80	80.8	52.9	07/17/45-08/20/96	82.8
Conductivity	5348	4753	88.9	50	50.5	107.0	09/07/51-08/20/96	119.0
Dissolved Oxygen	4831	2967	61.4	67	67.7	72.1	06/28/68-08/20/96	171.6
Water Temperature	4716	2846	60.3	68	68.7	69.4	08/20/64-08/20/96	147.4
Flow	1911	1378	72.1	30	30.3	63.7	04/01/29-08/20/96	28.4
Clarity/Turbidity	3520	2602	73.9	34	34.3	103.5	03/20/69-08/20/96	128.4
Nitrate/Nitrogen	9972	5394	54.1	49	49.5	203.5	04/01/29-08/20/96	148.0
Phosphate/Phosphorus	7395	4482	60.6	49	49.5	150.9	03/20/69-08/20/96	269.7
Chlorophyll	83	2	2.4	14	14.1	5.9	10/19/71-07/26/90	4.4
Sulfates/Total Dissolved Solids/Hardness	1227	900	73.3	16	16.2	76.7	04/01/29-08/13/96	18.2
Bacteria	2609	1070	41.0	50	50.5	52.2	06/28/68-08/20/96	92.7
Toxic Elements	2561	781	30.5	30	30.3	85.4	03/23/70-04/28/93	110.9

Water Quality Observations
Outside STORET Edit Criteria for PETE

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
PETE0004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	930602	1220	0.0000000	21VASWCB	2-JMS074.44	X
PETE0004	00300	OXYGEN, DISSOLVED MG/L	870608	1225	60.5000000	21VASWCB	2-JMS074.44	X
PETE0018	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	680822	1515	38.3000000	21VASWCB	2-BLY000.65	X
PETE0018	00300	OXYGEN, DISSOLVED MG/L	820608	1245	36.0000000	21VASWCB	2-BLY000.65	X
PETE0018	00300	OXYGEN, DISSOLVED MG/L	870608	1240	41.4000000	21VASWCB	2-BLY000.65	X
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	681024	1310	245.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	690428	1305	480.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	690428	1310	480.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	690724	1405	400.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	700422	0740	320.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	700701	1030	220.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	700818	0945	310.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	700922	1030	410.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	701122	1125	235.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	701215	1400	195.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	710118	1150	250.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	710315	1040	195.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	710428	1315	230.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	711005	1210	160.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	711220	1045	210.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	720120	1045	370.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	720404	1315	165.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	720505	1310	240.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	721026	1340	180.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	730609	1215	235.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	730917	1320	260.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	731115	1250	540.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	741117	1030	270.0000000	21VASWCB	2-BLY000.65	
PETE0018	00310	BOD, 5 DAY, 20 DEG C MG/L	751013	1030	210.0000000	21VASWCB	2-BLY000.65	
PETE0018	00400	PH (STANDARD UNITS)	880119	1045	16.9900000	21VASWCB	2-BLY000.65	X
PETE0018	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	880216	1120	26.5000000	21VASWCB	2-BLY000.65	X
PETE0018	00927	MAGNESIUM, TOTAL (MG/L AS MG)	920715	1109	3270.0000000	21VASWCB	2-BLY000.65	X
PETE0018	00927	MAGNESIUM, TOTAL (MG/L AS MG)	930121	1123	2860.0000000	21VASWCB	2-BLY000.65	X
PETE0035	32230	CHLOROPHYLL A (MG/L)	711019		16.5000000	1113JAWQ	JAMES J10	X
PETE0035	32230	CHLOROPHYLL A (MG/L)	711102	1340	16.5000000	1113JAWQ	JAMES J10	X
PETE0035	32230	CHLOROPHYLL A (MG/L)	711102	1345	24.8000000	1113JAWQ	JAMES J10	X
PETE0040	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	850805	1445	74.0000000	21VASWCB	2-APP001.53	X
PETE0040	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	940321	1405	0.0800000	21VASWCB	2-APP001.53	X
PETE0040	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	940321	1405	0.0800000	21VASWCB	2-APP001.53	X
PETE0040	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	940321	1405	0.0800000	21VASWCB	2-APP001.53	X
PETE0040	00300	OXYGEN, DISSOLVED MG/L	870608	1150	50.2000000	21VASWCB	2-APP001.53	X

Water Quality Observations
Outside STORET Edit Criteria for PETE

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
PETE0074	32230	CHLOROPHYLL A (MG/L)	711019		9.8000000	1113JAWQ	JAMES J07	X
PETE0074	32230	CHLOROPHYLL A (MG/L)	711102	1230	9.0000000	1113JAWQ	JAMES J07	X
PETE0074	32230	CHLOROPHYLL A (MG/L)	711102		3.8000000	1113JAWQ	JAMES J07	X
PETE0078	32230	CHLOROPHYLL A (MG/L)	711019	1530	9.0000000	1113JAWQ	JAMES J08	X
PETE0078	32230	CHLOROPHYLL A (MG/L)	711102	1245	6.0000000	1113JAWQ	JAMES J08	X
PETE0078	32230	CHLOROPHYLL A (MG/L)	711102		12.0000000	1113JAWQ	JAMES J08	X
PETE0080	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	910917	1600	0.0000000	21VASWCB	2-APP012.79	X
PETE0080	00927	MAGNESIUM, TOTAL (MG/L AS MG)	920715	1321	3190.0000000	21VASWCB	2-APP012.79	X
PETE0080	00927	MAGNESIUM, TOTAL (MG/L AS MG)	930121	1403	2120.0000000	21VASWCB	2-APP012.79	X
PETE0088	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	900106	1000	0.0000000	112WRD	02041650	X
PETE0088	00300	OXYGEN, DISSOLVED MG/L	910718	0925	36.7000000	112WRD	02041650	X
PETE0093	00300	OXYGEN, DISSOLVED MG/L	790711	1200	46.0000000	21VASWCB	2-APP018.12	X

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where COMPRESS.ZIP is the name of one of the seven compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where COMPRESS.ZIP is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) PETETABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) PETESITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) PETEAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) PETEAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) PETEOV0.DOC - Overview of park and retrieved data.

(e) PETEOV1.DOC - Station period of record table.

(f) PETEOV2.DOC - Parameter period of record table.

(g) PETEOV3.DOC - Station/parameter period of record table.

(h) PETEINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) PETESEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) PETEEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) PETEIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) PETEBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document PETEOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\PETEOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) PETEFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station PETE0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station PETE0001) is in the subirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) PETEPARM.ZIP

This file compresses PETEPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) PETESITE.ZIP

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

(a) PETEWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) PETEIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) PETEDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) PETEGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) PETEDAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) PETEMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

(a) PETEEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) PETETOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.

(c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.

(d) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.

(e) PETEREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) PETEWQ - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (PETEWQA, PETEWQB, PETEWQC, etc.) and the index map name will end with an ampersand (&).

(g) PETEIDG - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (PETEIDGA, PETEIDGB, PETEIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.

(h) PETESEHY - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with PETEFIGS.ZIP and PETETABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in PETEMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) PETERF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

(a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.

(d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) PETEWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Parameter Data File: PETEPARM.DBF in PETEPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown

Parameter Data File: PETEPARM.DBF in PETEPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: PETEPARM.DBF in PETEPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: PETEWQ.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: PETEWQ.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Industrial Facilities Discharges File: PETEIFD.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: PETEIFD.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: PETEIFD.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Drinking Water Intakes File: PETEDRIN.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

Drinking Water Intakes File: PETEDRIN.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

Drinking Water Intakes File: PETEDRIN.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: PETEGAGE.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

Water Gage File: PETEGAGE.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFF	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: PETEDAMS.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: PETEDAMS.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: PETEDAMS.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

Water Impoundment File: PETEDAMS.DBF in PETESITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PETERF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PETERF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LL1KEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PETERF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PETERF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCD2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCD3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

RF3 Trace File: 12345678.TRC in PETERF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

Catalog Unit Boundary File: 12345678.CUB in PETERF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20c			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20c			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20c			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020c			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20c			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[p]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[p]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400+	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[l]	TURBIDITY, FIELD	NTU	Physical
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	**Conductivity Parameter Group**	**C.A.S. Number**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	**Dissolved Oxygen Parameter Group**	**C.A.S. Number**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	**pH Parameter Group**	**C.A.S. Number**
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

Literature Cited

Code of Federal Regulations. 1994. Protection of Environment. 40 CFR Parts 100 to 149. Revised as of July 1, 1994. Published by the Office of the Federal Register, National Archives and Records Administration. U.S. Government Printing Office, Washington, D.C. 20402.

Gilbert, R. O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., New York, NY. 320p.

GKY and Associates. 1990. Dam Inventory Database and Retrieval Software: Final Report. U.S. Environmental Protection Agency, Water Quality Analysis Branch. Under Contract #68-03-3339.

Kunkle, S. and J. Wilson. 1984. Specific Conductance and pH Measurements in Surface Waters: An Introduction for Park Natural Resource Specialists. Water Resources Field Support Laboratory Report No. 84-3. National Park Service, Water Resources Division, Fort Collins, Colorado 80525. 51p.

National Park Service. 1993. Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service. National Park Service, Washington Office, Servicewide Inventory and Monitoring Program, Washington, D.C. Unpublished. 17p.

U.S. Environmental Protection Agency. 1995. Quality Criteria for Water 1995. Final Draft. Office of Water Regulations and Standards, Washington, D.C.

U.S. Environmental Protection Agency. 1989. STORET User Handbook. U.S. Environmental Proteciton Agency, Office of Water, Washington, D.C. 20460.

U.S. Environmental Protection Agency. 1992. Office of Water Environmental and Program Information Systems Compendium. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. 20460. 152p.

U.S. Environmental Protection Agency. 1993. Technical Description of the Reach File. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. 20460. 23p.

U.S. Geological Survey. 1982. A U.S. Geological Survey Data Standard: Codes for the Identification of Hydrologic Units in the United States and Caribbean Outlying Areas. Geological Survey Circular 878-A. U.S. Geological Survey, Water Resources Division, Reston, VA. 22092. 115p.

U.S. Geological Survey 1992. Hydro-Climatic Data Network: A U.S. Geological Survey Streamflow Data Set for the United States for the Study of Climate Variations 1874-1988. Open File Report 92-129/USGS Water Supply Paper No. 2406. U.S. Geological Survey, Water Resources Division, Reston, VA. 22092. 193p.

Ward, R. C., J. C. Loftis, and G. B. McBride. 1990. Design of Water Quality Monitoring Systems. Van Nostrand Reinhold Co., New York, NY. 231p.

Appendix I

Selected General Water Quality References

American Public Health Association. 1989. Standard Methods for the Examination of Water and Wastewater (17th ed.). Washington, D.C. 1476p.

Drever, J. I. 1982. The Geochemistry of Natural Waters. Prentice-Hall, Inc., Englewood Cliffs, NJ. 388p.

Dunne, T. and L. B. Leopold. 1978. Water in Environmental Planning. W.H. Freeman and Company, San Francisco, CA. 818p.

Everett, L. G. 1980. Groundwater Monitoring. General Electric Co., Schenectady, NY. 440p.

Fetter, C. W. 1988. Applied Hydrogeology (2nd ed.). MacMillan Publishing Co., New York, NY. 592p.

Flora, M. D., T. E. Ricketts, J. Wilson, and S. Kunkle. 1984. Water Quality Criteria: An Overview for Park Natural Resource Specialists. WRFSL Report No. 84-4. National Park Service, Water Resources Field Support Laboratory, Fort Collins, CO. 46p.

Gilbert, R. O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., New York, NY. 320p.

Hem, J. D. 1985. Study and Interpretation of the Chemical Characteristics of Natural Water (3rd ed.). U.S. Geological Survey Water-Supply Paper 2254. U.S. Government Printing Office, Washington, D.C. 263p.

Kunkle, S., W. S. Johnson, and M. Flora. 1987. Monitoring Stream Water Quality for Land-Use Impacts: A Training Manual for Natural Resource Management Specialists. Water Resources Division, National Park Service, Fort Collins, CO. 102p.

Kunkle, S. and J. Wilson. 1984. Specific Conductance and pH Measurements in Surface Waters: An Introduction for Park Natural Resource Specialists. Water Resources Field Support Laboratory Report No. 84-3. National Park Service, Water Resources Division, Fort Collins, Colorado 80525. 51p.

Merritt, R. W., and K. W. Cummins (eds.). 1984. An Introduction to the Aquatic Insects of North America (2nd ed.). Kendall/Hunt Publishing Co., Dubuque, IA. 44p.

Morel, F. M. 1983. Principles of Aquatic Chemistry. John Wiley & Sons, Inc., New York, NY. 446p.

Nielsen, D. M. (ed.). 1991. Practical Handbook of Ground-Water Monitoring. Lewis Publishers, Inc. Chelsea, MI. 717p.

Ponce, S. L. 1980a. Statistical Methods Commonly Used in Water Quality Data Analysis. WSDG Technical Paper WSDG-TP-00001. U.S. Department of Agriculture, Forest Service, Watershed Systems Development Group, Fort Collins, CO. 136p.

Ponce, S. L. 1980b. Water Quality Monitoring Programs. WSDG Technical Paper WSDG-TP-00002. U.S. Department of Agriculture, Forest Service, Watershed Systems Development Group, Fort Collins, CO. 68p.

Rand, G. M. and S. R. Petrocelli (eds.). 1985. Fundamentals of Aquatic Toxicology. Hemisphere Publishing Co., New York, NY. 666p.

Rantz, S. E. and others. 1982. Measurement and Computation of Streamflow: Volume 1. Measurement of Stage and Discharge. Volume 2. Computation of Discharge. U.S. Department of the Interior, Geological Survey Water Supply Paper 2175. 631p.

Stednick, J.D. and D. M. Gilbert. 1998. Water Quality Inventory Protocol: Riverine Environments. National Park Service, Water Resources Division Technical Report NPS/NRWRD/NRTR-98/177. Fort Collins, CO. 103p.

Stednick, J. D. 1991. Wildland Water Quality Sampling and Analysis. Academic Press, Inc., San Diego, CA. 217p.

United Nations Educational, Scientific and Cultural Organization (UNESCO). 1978. Water Quality Surveys: A Guide for the Collection and Interpretation of Water Quality Data. IHD-WHO Working Group on the Quality of Water, Paris, France. 350p.

U.S. Department of the Interior. 1977. National Handbook of Recommended Methods for Water-Data Acquisition. U.S. Geological Survey, Office of Water-Data Coordination, Reston, VA. 990p.

U.S. Environmental Protection Agency. 1978. Microbiological Methods for Monitoring the Environment: Water and Wastes. R. H. Border, J. A. Winter, and P. W. Scarpino. EPA-600/8-78-017. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 338p.

U.S. Environmental Protection Agency. 1979b. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-020. (Revised March 1983). Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 460p.

U.S. Environmental Protection Agency. 1983. Water Quality Standards Handbook. Office of Water Regulations and Standards, Washington, D.C. 218p.

U.S. Environmental Protection Agency. 1995. Quality Criteria for Water 1995. Final Draft. Office of Water Regulations and Standards, Washington, D.C.

U.S. Environmental Protection Agency. 1989. Rapid Bioassessment Protocols for Use in Streams and Rivers: Benthic Macroinvertebrates and Fish. J. L. Plafkin, M. T. Barbour, K. D. Porter, S. K. Gross, and R. M. Hughes. EPA-444/4-89-001. Office of Water Regulations and Standards, Assessment and Watershed Protection Division, Washington, D.C. 162p.

U.S. Environmental Protection Agency. 1990. Macroinvertebrate Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters. D. J. Klemm, P. A. Lewis, F. Fulk, and J. M. Lazorchak. EPA-600/4-90-030. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 256p.

U.S. Environmental Protection Agency. 1991a. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (4th ed.). C. I. Weber, ed. EPA-600/4-90-027. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 293p.

U.S. Environmental Protection Agency. 1991b. Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska. L. H. MacDonald, A. W.Smart, and R. C. Wissmar. EPA-910/9-91-001. Region 10, Seattle, WA. 162p.

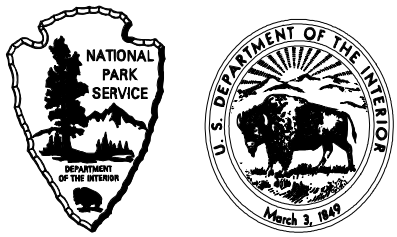
U.S. Environmental Protection Agency. 1993. Guide to Federal Water Quality Programs and Information. T. Stuart and N. P. Ross. EPA-230-B-93-001. Office of Strategic Planning and Environmental Data, Environmental Statistics and Information Division. Washington, D.C. 194p.

Verschueren, K. 1983. Handbook of Environmental Data on Organic Chemicals (2nd ed.). Van Nostrand Reinhold Co., New York, NY. 1310p.

Viessman W. and M. J. Hammer. 1985. Water Supply and Pollution Control (4th ed.). Harper and Row, Publishers, Inc. New York, NY. 797p.

Ward, R. C., J. C. Loftis, and G. B. McBride. 1990. Design of Water Quality Monitoring Systems. Van Nostrand Reinhold Co., New York, NY. 231p.

Wetzel, R. G. 1983. Limnology (2nd ed.). Sanders College Publishing, Philadelphia, PA. 767p.



As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

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