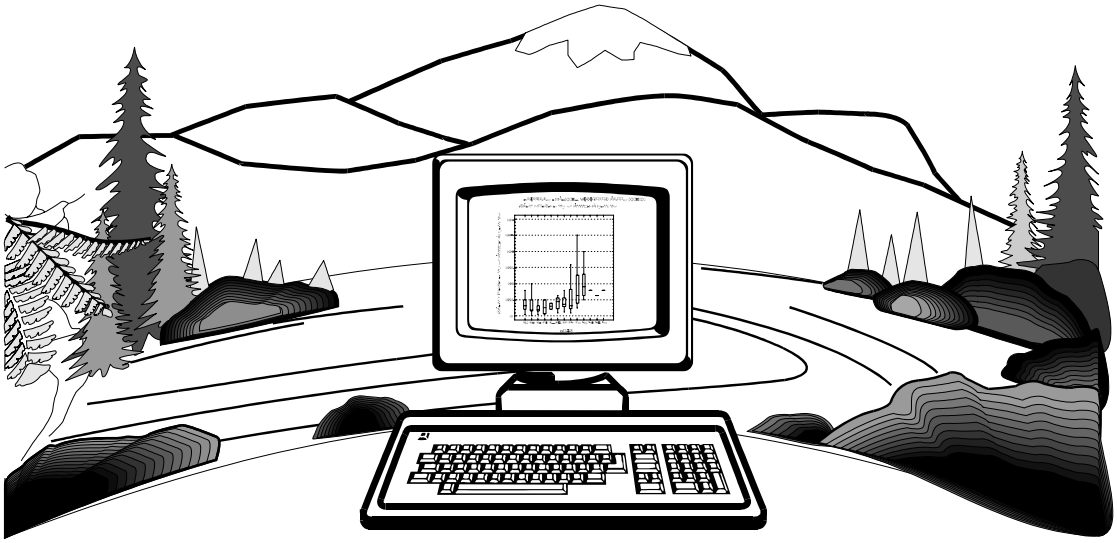
Baseline Water Quality Data

Inventory and Analysis

Point Reyes National Seashore



Water Resources Division and Servicewide Inventory and Monitoring Program

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NATIONAL PARK SERVICE

National Park Service - Department of the Interior
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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

POINT REYES NATIONAL SEASHORE

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-2000/280

FEBRUARY 2003

United States Department of the Interior
National Park Service
Washington, D.C.

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Point Reyes National Seashore (PORE) and the North District Lands of Golden Gate National Recreation Area (GOGA)[†] 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 no industrial/municipal dischargers; 11 drinking water intakes; eight active or inactive U.S. Geological Survey (USGS) water gages (including stream and estuary); and 20 water impoundments. The results of the STORET retrieval for the study area yielded 16,877 observations for 191 separate parameters collected by the NPS, USGS, EPA, and California Water Resources Control Board (CWRCB) at 221 monitoring stations from 1901 through 1998[††]. Approximately 81 percent of the 16,877 observations within the study area were entered by the NPS from data collected from 1954 through 1998. Of the 221 monitoring stations, 75 stations were located within the PORE park boundary and 72 stations were located within the GOGA park boundary (see Station Period of Record Tabulation). Twenty-three stations within the study area (12 within park boundaries) were established but contained no data. Thirty-eight stations within the study area (27 within park boundaries) were established but did not contain data appropriate for statistical analysis.

Most of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Eight stations within the study area (two within park boundaries) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longer-term records within park boundaries are: (1) Fitzhenry Creek near bridge on park trail (PORE 0011) and (2) Easkoot Creek downstream of Parkside Restaurant (PORE 0008). The stations yielding the longer-term records within the study area, but outside of the park boundaries, are: (1) Inner Seadrift Lagoon at 175 Seadrift Road (PORE 0014); (2) Easkoot Creek at Calle del Arroyo and State Route 1 (PORE 0010); (3) Laurel Creek upstream of Stinson Beach Church (PORE 0009); (4) Bolinas Lagoon near Easkoot Creek Inlet (PORE 0012); (5) Easkoot Creek downstream of Calle del Pinos Street (PORE 0007); and (6) Walker Creek at Camp Tomales (PORE 0213)[†††].

[†]The North District Lands of GOGA are administered by PORE. These lands include GOGA park acreage north of Bolinas/Fairfax Road.

[††]Of the 16,877 observations reported in the study area, 17 elevation values, entered in STORET by the CWRCB, were dated 1901. The 18th oldest observation in STORET for the PORE study area was collected in 1954. Consequently, a more representative period of record for observations would be from 1954 through 1998.

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

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the PORE water quality criteria screen found 11 groups of parameters that exceeded screening criteria at least once within the study area[††††]. Dissolved oxygen, chloride, cadmium, copper, and lead exceeded their respective EPA criteria for the protection of freshwater aquatic life. Chloride, sulfate, nitrite, nitrite plus nitrate, cadmium, and lead exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for freshwater and marine water bathing and aquatic life, respectively.

Dissolved oxygen concentrations were measured 402 times at 62 monitoring stations from 1959 through 1991. Of the 397 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), two observations, 0.4 milligrams per liter (mg/L) in Walker Creek at the State Route 1 Bridge (PORE 0216) and 3.1 mg/L in San Geronimo Creek downstream of Woodacre (PORE 0044), were less than the 4 mg/L EPA criterion for the protection of freshwater aquatic life in January 1979 and May 1991, respectively.

Turbidity was measured one time within the GOGA park boundary in Olema Creek upstream of Olema (PORE 0071) in February 1954. The concentration of 180 Formazin Turbidity Units exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units.

Total coliform concentrations were measured 2,525 times at 65 monitoring stations from 1971 through 1998. Of the 2,524 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 712 concentrations at 52 stations exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1971 through 1998. Approximately 72 percent of these 712 concentrations were reported at nine stations in the Stinson Beach area, within the GOGA park boundary in Black Rock Creek (PORE 0006), Easkoot Creek (PORE 0008), and Fitzhenry Creek (PORE 0011) and outside park boundaries in Black Rock Creek (PORE 0005), Easkoot Creek (PORE 0007, PORE 0010), Laurel Creek (PORE 0009), and near Bolinas Lagoon (PORE 0012, PORE 0014). The highest concentration of at least 24,190 MPN/100 ml was reported within the PORE park boundary in an unnamed stream near Pierce Point Road upstream of Kehoe Beach (PORE 0175) in April 1997. Fecal coliform concentrations were measured 2,548 times at 60 monitoring stations from 1971 through 1998. Of the 2,539 observations used in the criteria analysis (see Remark Code Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 601 concentrations at 51 stations exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1971 through 1998. Approximately 73 percent of these 601 concentrations were reported at 11 stations in the Stinson Beach area, within the GOGA park boundary in Black Rock Creek (PORE 0006), Easkoot Creek (PORE 0008), and Fitzhenry Creek (PORE 0011) and outside park boundaries in Easkoot Creek (PORE 0003, PORE 0004, PORE 0007, PORE 0010), Black Rock Creek (PORE 0005), Laurel Creek (PORE 0009), and near Bolinas Lagoon (PORE 0012, PORE 0014). The highest concentration of at least 24,000 MPN/100 ml was reported six times at five stations, within the PORE park boundary in Main Home Creek (PORE 0121) and East Schooner Creek (PORE 0138) and outside park boundaries in Easkoot Creek downstream of Calle del Pinos Street (PORE 0007), Salmon Creek upstream of Arroyo Sausal (PORE 0182), and Keys Creek at the State Route 1 Bridge (PORE 0219), from 1977 through 1994.

[††††]Water quality criteria applied to the data at a particular station are based on the collecting agency's classification of the station (i.e. station type) in STORET. Depending on tidal conditions at the time of measurement, comparison of data from tidally influenced lake or riverine stations against drinking water or acute freshwater criteria may not be appropriate.

Chloride concentrations (including dissolved and total) were measured 35 times at 22 monitoring stations from 1954 through 1988. Six dissolved concentrations, ranging from 396 mg/L to 19,000 mg/L at two stations, within the PORE park boundary at a small impoundment near Drakes Beach (PORE 0054) and outside park boundaries in Walker Creek at Camp Tomales (PORE 0213), exceeded the secondary drinking water criterion of 250 mg/L from 1958 through 1964. Three of these six concentrations, in Walker Creek at Camp Tomales (PORE 0213), also exceeded the acute freshwater criterion of 860 mg/L from 1958 through 1960, including the highest concentration of 19,000 mg/L in September 1959.

Sulfate concentrations (including dissolved and total) were measured 33 times at 22 monitoring stations from 1954 through 1988. Two dissolved concentrations of 2,140 mg/L and 482 mg/L in Walker Creek at Camp Tomales (PORE 0213) exceeded the secondary drinking water criterion of 250 mg/L in September 1958 and May 1960, respectively.

Nitrite concentrations (including total as N and dissolved and total as NO_2) were measured 198 times at 40 monitoring stations from 1978 through 1998. Of the 169 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation)[†††††], 13 total NO_2-N concentrations at six stations in the Stinson Beach area, within the GOGA park boundary in Black Rock Creek (PORE 0006) and Easkoot Creek (PORE 0008) and outside park boundaries in Black Rock Creek (PORE 0005), Easkoot Creek (PORE 0007, PORE 0010), and Laurel Creek (PORE 0009), exceeded the drinking water criterion of 1 mg/L NO_2-N during 1994 and 1995. The highest concentration of 2.25 mg/L was reported in Easkoot Creek downstream of Calle del Pinos Street (PORE 0007) in December 1994.

Nitrite plus nitrate concentrations (including dissolved and total) were measured 1,338 times at 38 monitoring stations from 1974 through 1998. Of the 1,014 observations used in the criteria analysis[†††††], eight total concentrations, ranging from 10.75 mg/L to 62 mg/L at four stations in the Stinson Beach area, within the GOGA park boundary in Fitzhenry Creek (PORE 0011) and outside park boundaries in Easkoot Creek (PORE 0007, PORE 0010) and Laurel Creek (PORE 0009), exceeded the drinking water criterion of 10 mg/L from 1987 through 1995. The highest concentration of 62 mg/L was reported in Easkoot Creek downstream of Calle del Pinos Street (PORE 0007) in August 1995.

Total cadmium concentrations were measured 12 times at four monitoring stations (PORE 0001, PORE 0002, PORE 0003, PORE 0004) from 1986 through 1988. The two observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), reported as 10 micrograms per liter (µg/L) at two stations in the Stinson Beach area, in Webb Creek at the State Route 1 Bridge (PORE 0002) and Easkoot Creek at the State Route 1 Bridge (PORE 0004), exceeded the acute freshwater criterion of 3.9 µg/L and drinking water criterion of 5.0 µg/L in February 1987.

Total copper concentrations were also measured 12 times at four monitoring stations (PORE 0001, PORE 0002, PORE 0003, PORE 0004) from 1986 through 1988. Five concentrations of 20 µg/L at three stations in the Stinson Beach area, in Webb Creek at the State Route 1 Bridge (PORE 0002) and Easkoot Creek at the State Route 1 Bridge (PORE 0003, PORE 0004), exceeded the acute freshwater criterion of 18 µg/L from 1986 through 1988.

Total lead concentrations were also measured 12 times at four monitoring stations (PORE 0001, PORE 0002, PORE 0003, PORE 0004) from 1986 through 1988. Two concentrations of 100 µg/L at two stations in the Stinson Beach area, in Webb Creek at the State Route 1 Bridge (PORE 0002) and Easkoot Creek at the State Route 1 Bridge (PORE 0004), exceeded the drinking water criterion of 15 µg/L and the acute freshwater criterion of 82 µg/L in February 1987.

The IDEA conducted for PORE indicates that STORET data exist for all 13 Level I parameter groups in the study area. For the group Chlorophyll, observations were recorded only in 1975. For three parameter groups

[†††††]Water quality observations collected at marine stations were excluded from the criteria analysis due to the absence of applicable marine criteria for this parameter.

(Alkalinity, pH, and Flow), less than 22 percent of the observations were recorded since 1985. Overall, approximately 80 percent of the observations for Level I parameter groups were recorded since 1985. Data for 11 groups (Alkalinity, pH, Dissolved Oxygen, Flow, Clarity/Turbidity, Nitrate/Nitrogen, Phosphate/Phosphorus, Chlorophyll, Sulfates/Total Dissolved Solids/Hardness, Bacteria, and Toxic Elements) were recorded at less than half of the 198 monitoring stations with data. Relative to other parameter groups, data were limited for the groups Alkalinity, Chlorophyll, Sulfates/Total Dissolved Solids/Hardness, and Toxic Elements. Results for 13 of the 126 EPA priority toxic pollutants (consisting of organic parameters and metals) were retrieved from STORET.

Surface water resources in the PORE study area include the Pacific Ocean; Tomales, Drakes, Bolinas, and other bays; Bolinas, Abbotts, Drakes Estero, and other lagoons, estuaries, and mudflats; Lagunitas, Glenbrook, Easkoot, Walker, Olema, and numerous other creeks, gulches, and arroyos; Kent, Alpine, Nicasio, and other impoundments; Crystal, Bass, and other lakes and ponds; and many springs. Many of these waters are influenced by tidal flow and contain fresh and saline waters in transition. The data inventories and analyses contained in this report indicate a lack of longer-term records from stations throughout the study area. Of the 221 monitoring stations in the study area, just eight stations, seven of which were located in the Stinson Beach area in the southeastern portion of the study area, yielded longer-term records. Without adequate data it is difficult to make definitive statements regarding water quality throughout the study area; however from the available data, surface water quality within the study area appears to have been impacted by human activities. Potential anthropogenic sources of contaminants include urban and residential development; agricultural operations; stormwater runoff; municipal and industrial wastewater discharges; marine traffic; quarrying and mining operations; recreational use; and atmospheric deposition.

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INTRODUCTION

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

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

Goal

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

Purpose

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

Objectives

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

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

2. Develop a complete inventory of all retrieved data;

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

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

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

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

Document Overview

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

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

Caveats

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

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

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

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

Key Personnel

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

National Park Service, Water Resources Division:

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

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

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

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

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

Amy Benton, Josh Johnson, Padraigh Gallagher, and Scott Ratchford helped prepare reports and write the Executive Summaries.

Elizabeth Eisenhauer, Scott Ratchford, Valdete Celaj, Sonny Emmert, Nils Babel, Greg Johnson, Karyn Boldys, and Karin Howland provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor, Chris Echohawk, Adam Henson, Ryan Shy, Adriane Petersen, Aria Brissette, Eric Lord, Ronda Burns, Melanie Schnier, and Clint Bassett 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.

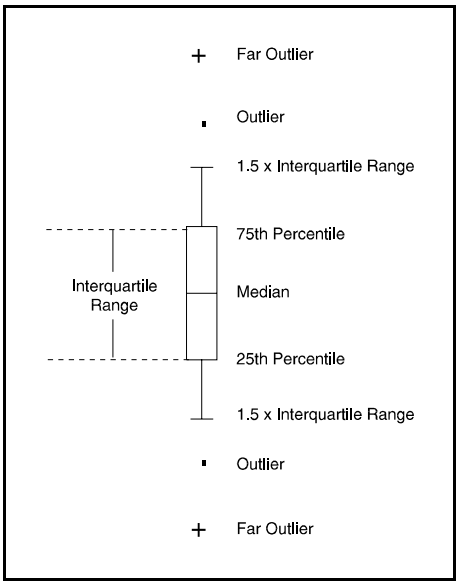
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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 PORE

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:	290185	92397
# STORET Stations:	221	147
# Stations With No Data:	23	12
# Stations With No Stat. Analysis:	38	27
# Longer Term Stations:	8	2
Date of STORET Retrieval:	12/20/99	12/20/99
Period of Record:	01/01/01-12/08/98	01/01/01-12/08/98
# Parameters Measured:	191	122
# Water Quality Observations:	16877	10439
# Industrial/Municipal Facilities:	0	0
# Drinking Water Intakes:	11	3
# Water Gages:	8	2
# Water Impoundments:	20	14
# Total Plots:	146	86
# Time Series:	52	32
# Annual:	55	35
# Seasonal:	39	19

Hydrologic Definition of Seasons:

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

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 8 years and at least 32 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 4 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.

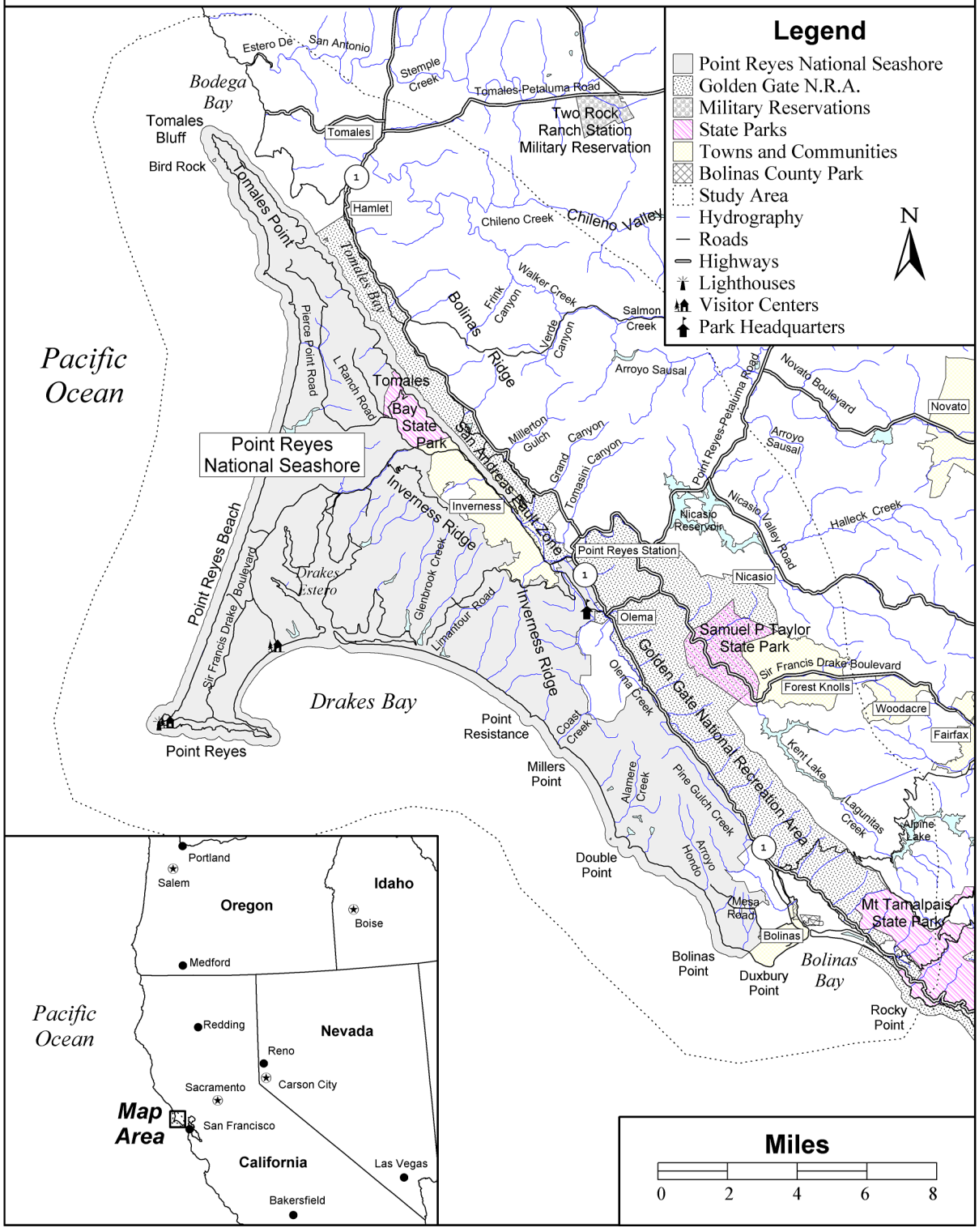
Seasonal Analysis Criteria:

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 10 years and observations in at least 3 of the 10 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.

Point Reyes National Seashore

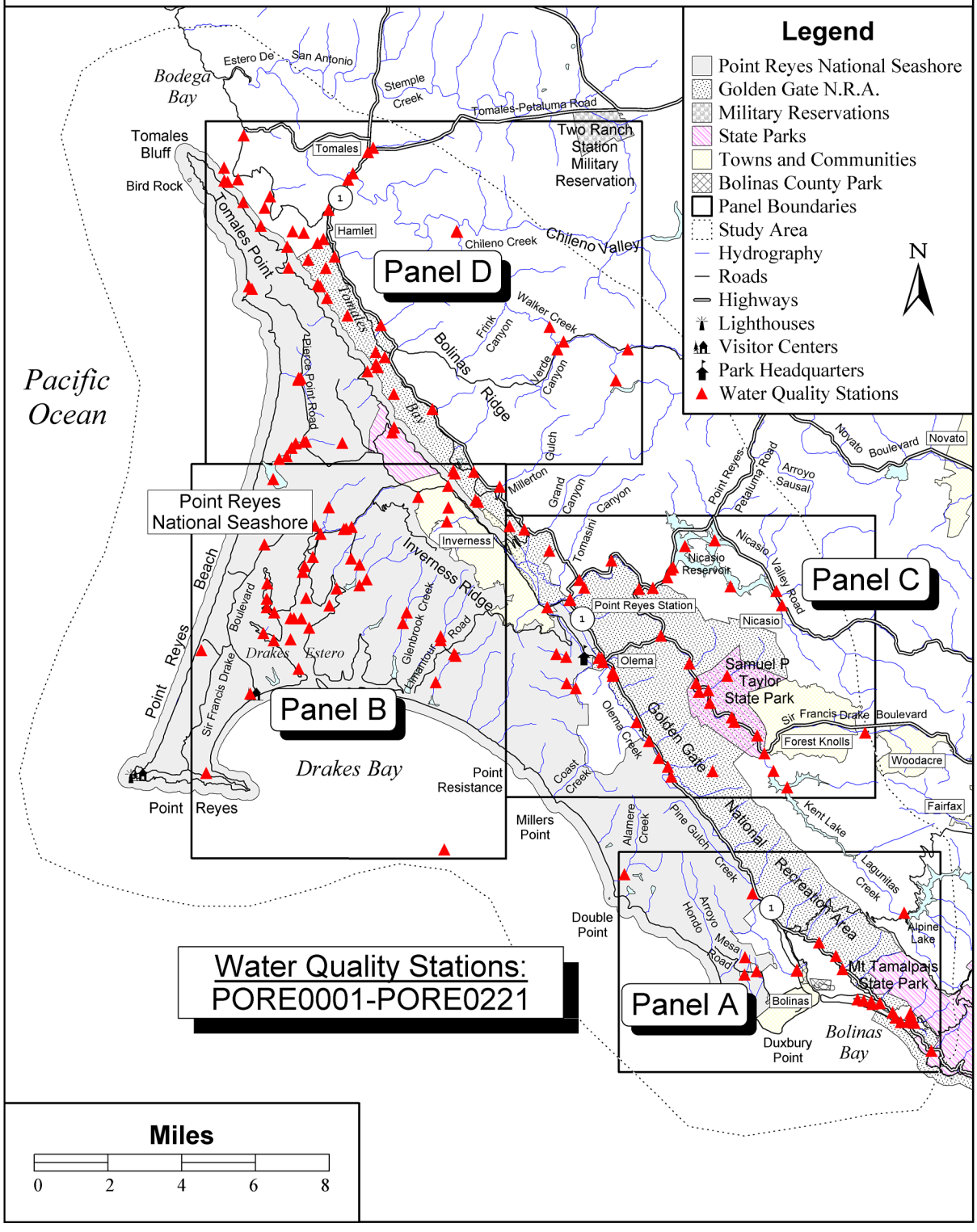
Regional Location Map



Point Reyes National Seashore

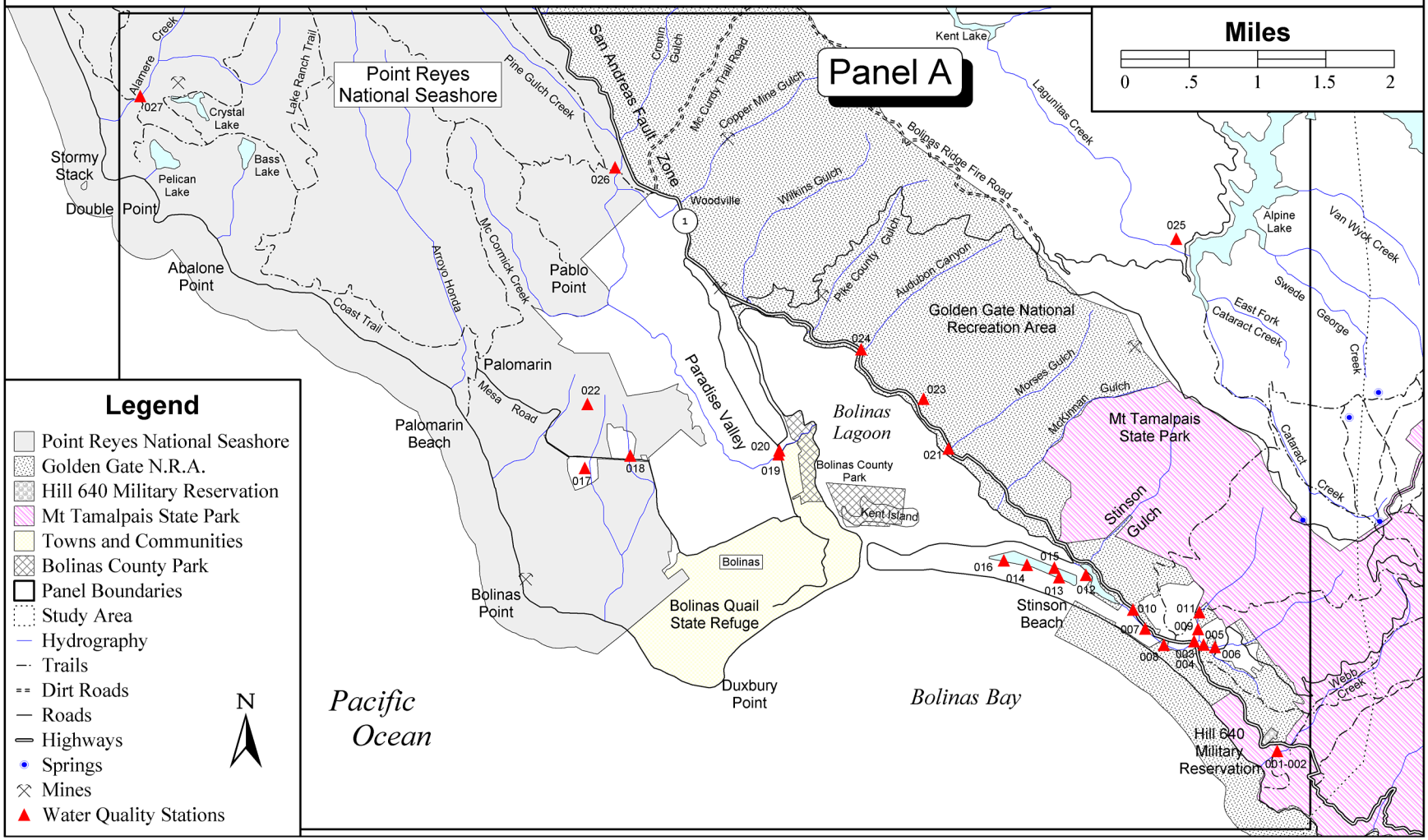
Water Quality Monitoring Locations

Graphic Panel Index



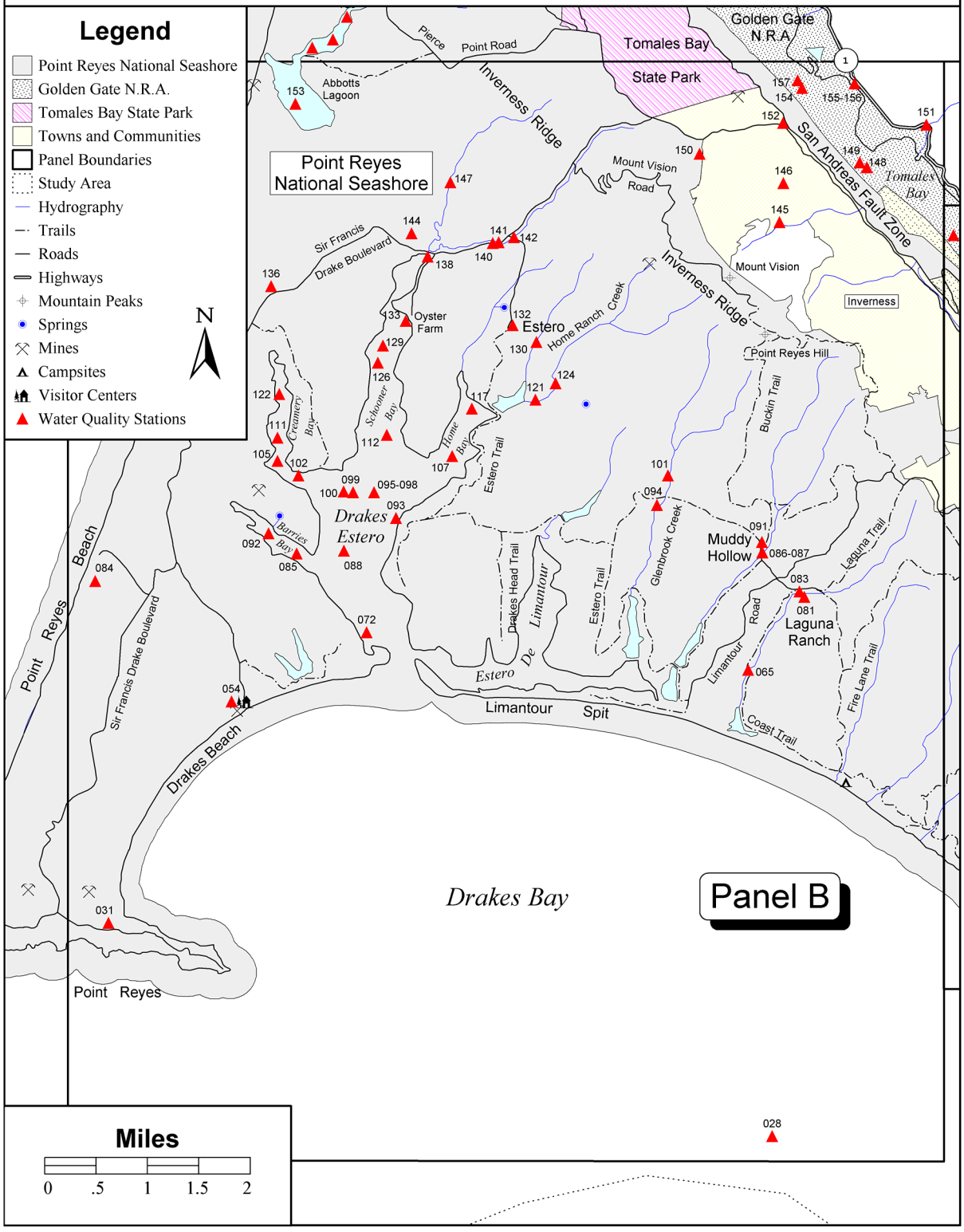
Point Reyes National Seashore

Water Quality Monitoring Locations



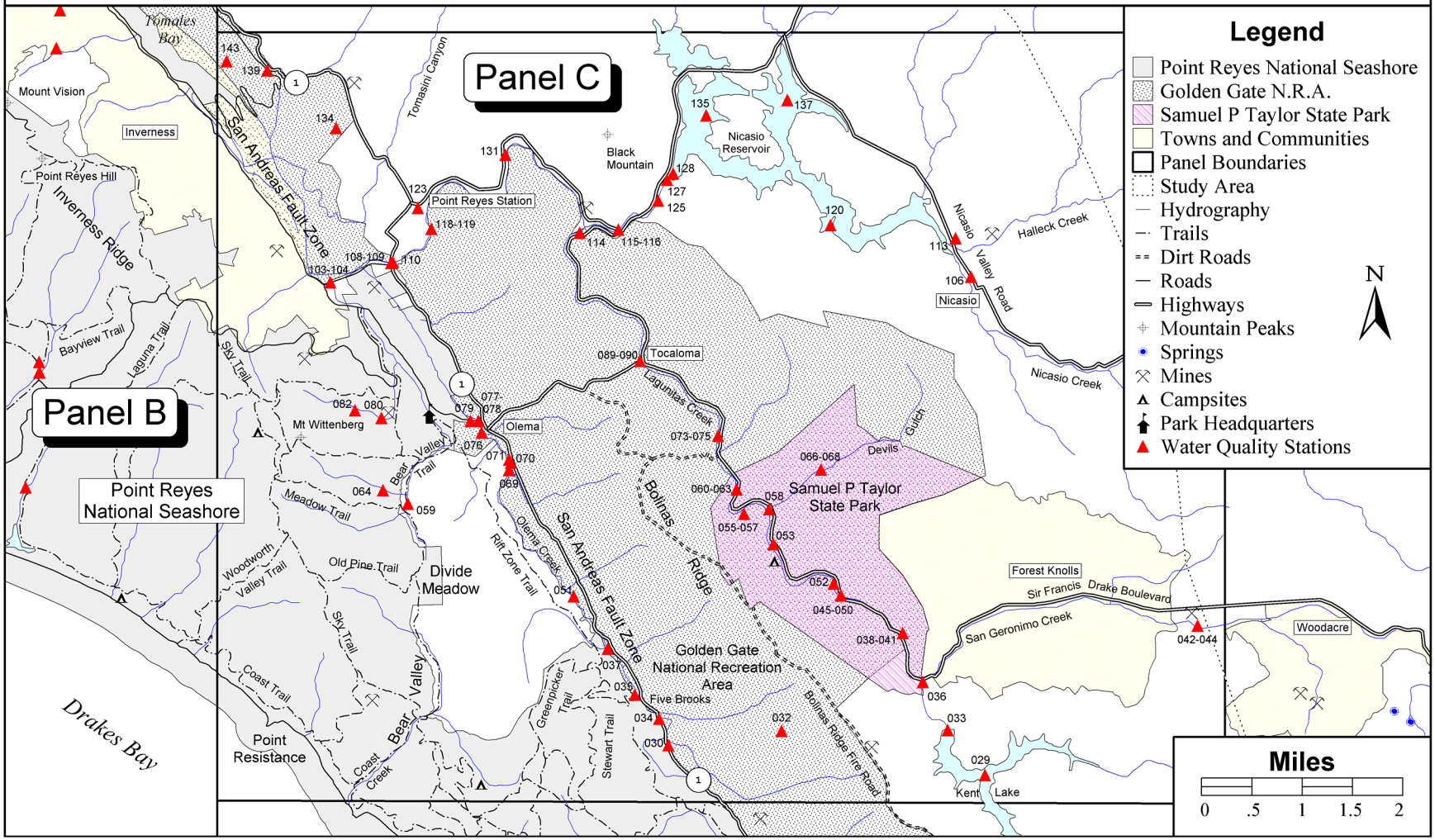
Point Reyes National Seashore

Water Quality Monitoring Locations



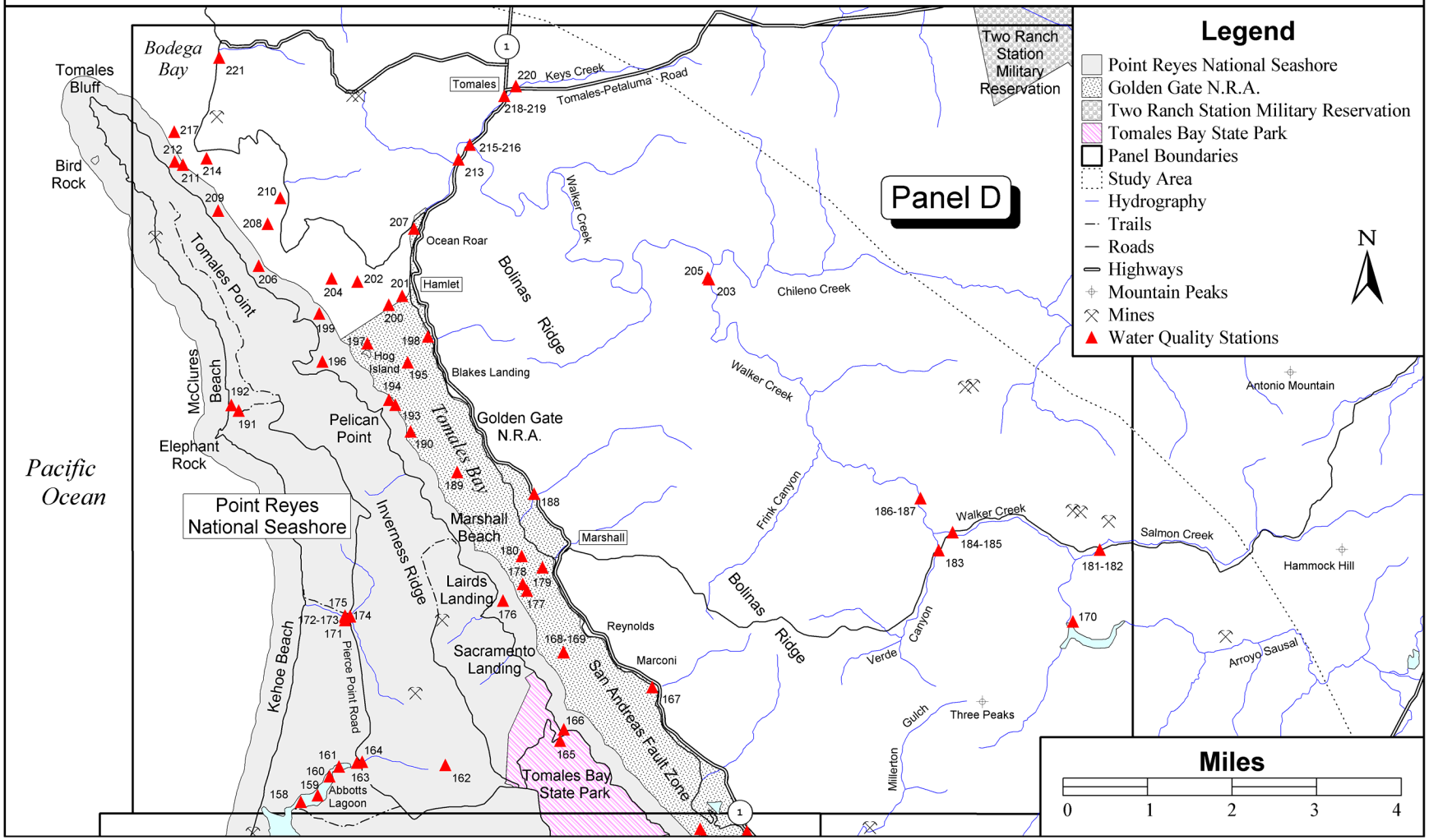
Point Reyes National Seashore

Water Quality Monitoring Locations



Point Reyes National Seashore

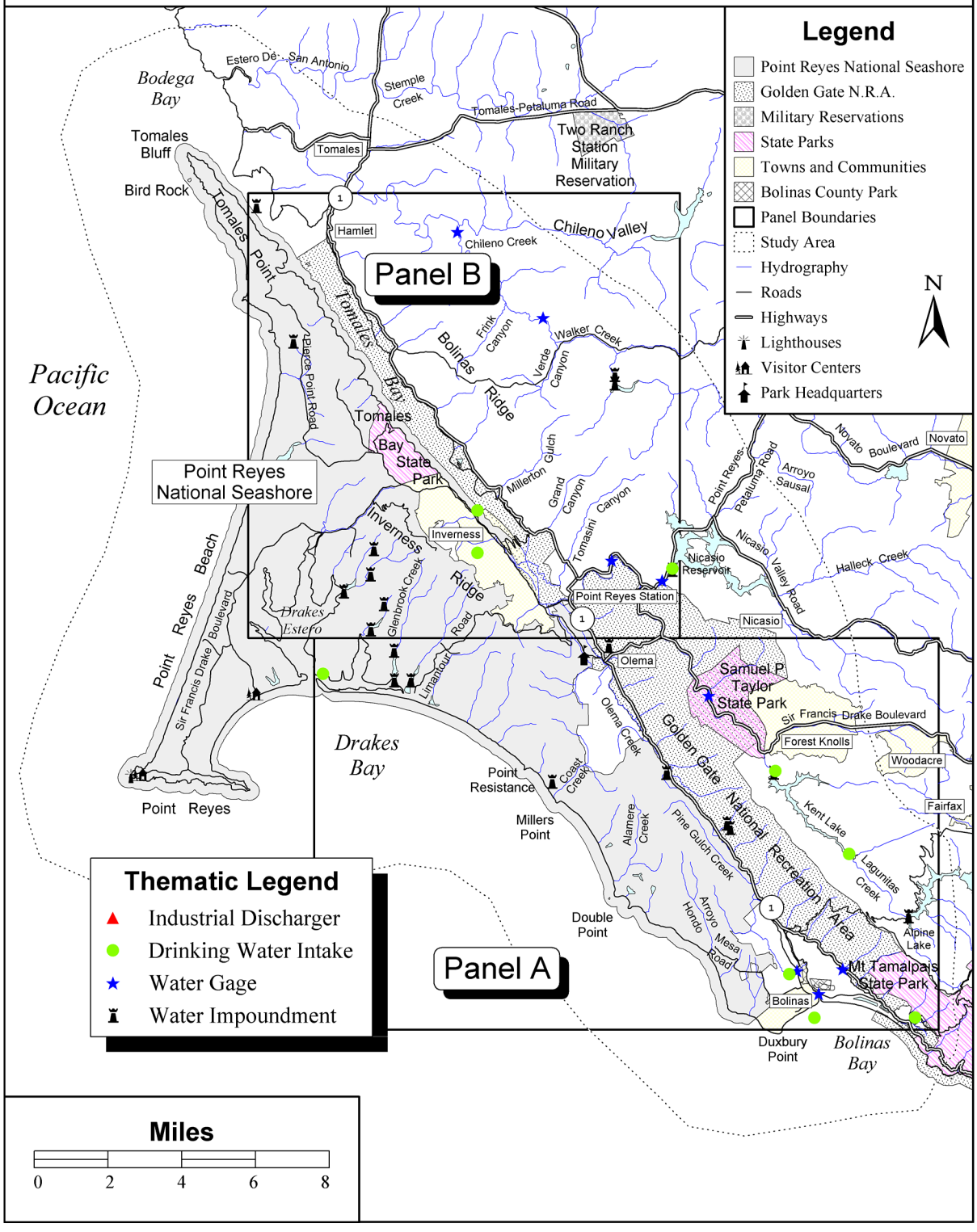
Water Quality Monitoring Locations



Point Reyes National Seashore

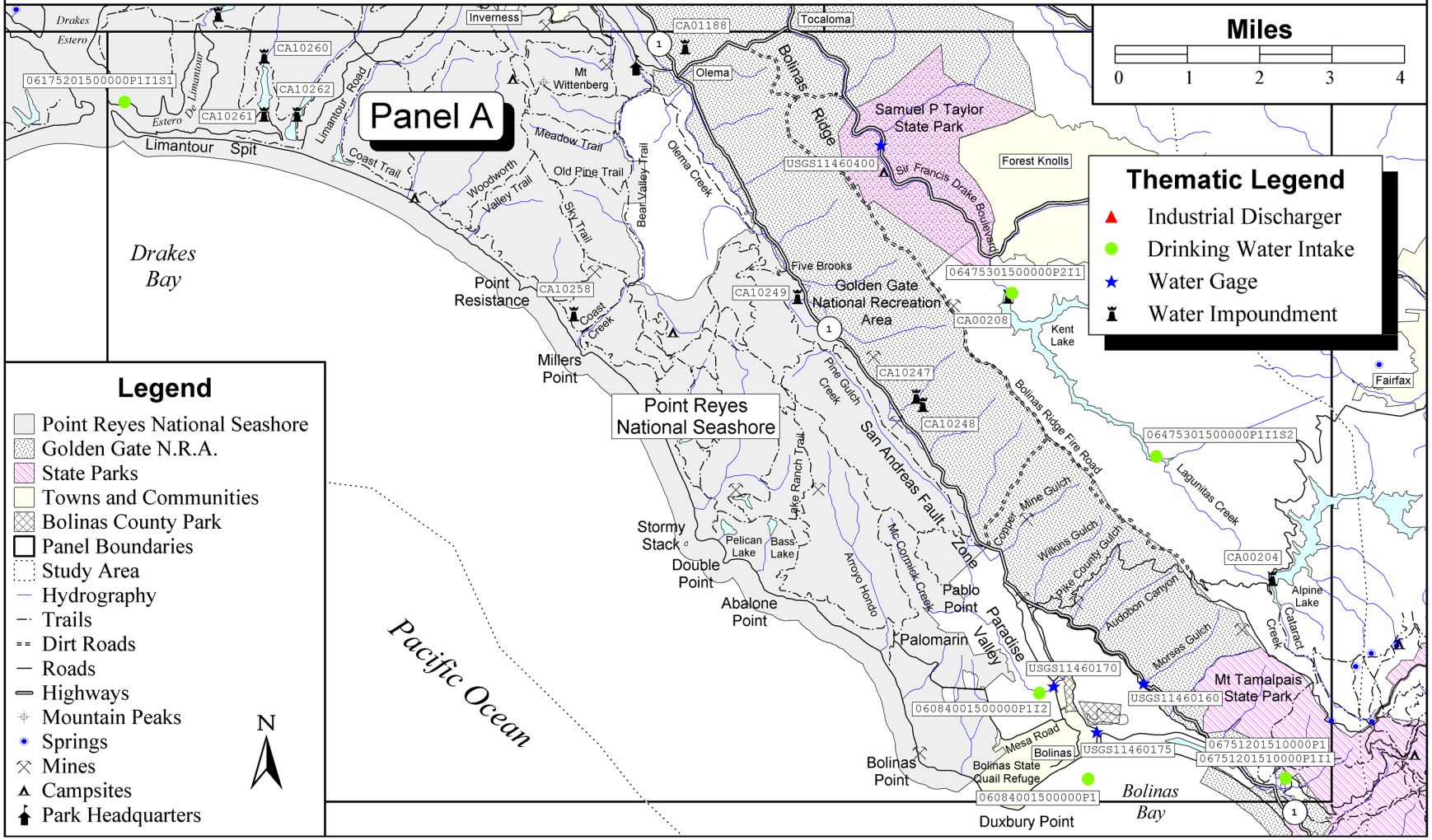
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



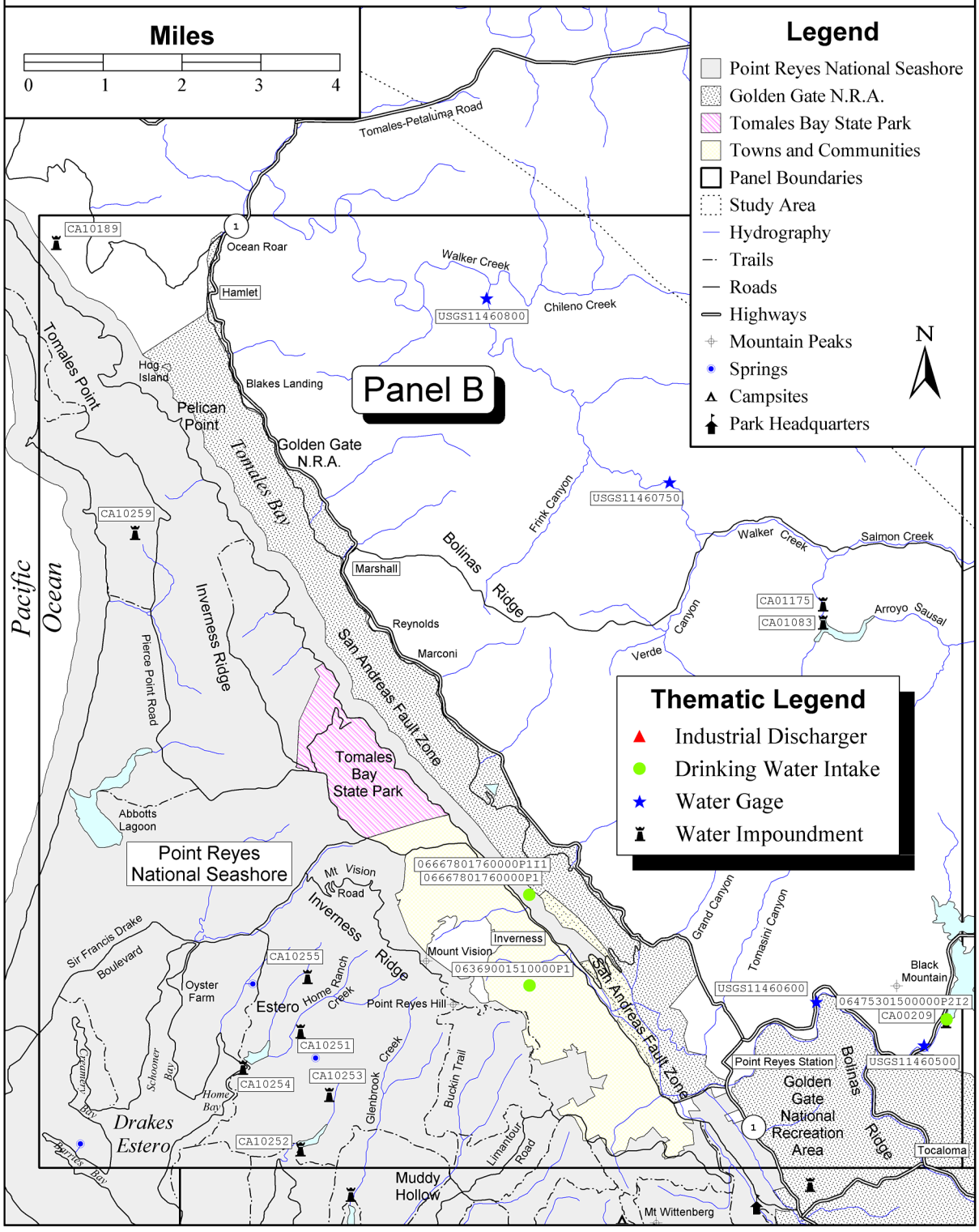
Point Reyes National Seashore

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Point Reyes National Seashore

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name

No IFD sites available for this study area.

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
06084001500000P1	TREATMENT PLANT	BOLINAS	1600	8000.00
06084001500000P1I2	PINE GULCH CREEK	BOLINAS	1600	8000.00
06175201500000P1I1S1	MALLARD SLOUGH	CONCORD	195000	0000.00
06369001510000P1	.....	INVERNESS	33	
06475301500000P1I1S2	KENT LAKE	CORTE MADERA	163200	0000.00
06475301500000P2I1	KENT LAKE	CORTE MADERA	163200	0000.00
06475301500000P2I2	NICASIO RESERVOIR	CORTE MADERA	163200	0000.00
06667801760000P1	TREATMENT PLANT	INVERNESS	1200	3000.00
06667801760000P1I1	LOCAL SURFACE S	INVERNESS	1200	3000.00
06751201510000P1	TREATMENT PLANT	STINSON BEACH	800	6500.00
06751201510000P1I1	LOCAL STREAMS	STINSON BEACH	800	6500.00

Water Gages

Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS11460170	PINE C A BOLINAS CA		7.83	1967	1970
USGS11460175	BOLINAS LAGOON AT BO	Estuary			
USGS11460600	LAGUNITAS C NR PT REYES STATION CA	Stream	81.70	1975	1999
USGS11460800	WALKER CREEK NEAR TOMALES, CALIFORNIA	Stream	40.10	1959	1984
USGS11460160	MORSES C A BOLINAS CA	Stream	0.70	1967	1969
USGS11460400	LAGUNITAS C A SP TAYLOR STATE PK CA	Stream	34.30	1983	1999
USGS11460500	ARROYO NICASIO NR PT REYES STA CA	Stream	36.60	1954	1960
USGS11460750	WALKER C NR MARSHALL CA	Stream	31.10	1984	1999

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
CA00204	ALPINE 33-000	MARIN MUN WATER DIST	Supply	Gravity	Significant	1917
CA00208	PETERS 33-007	MARIN MUN WATER DIST	Supply	Earth	High	1954
CA00209	NICASIO 33-008	MARIN MUN WATER DIST	Supply	Earth	Significant	1961
CA01083	SOULAJULE 33-009	MARIN MUNICIPAL WTR DIST	Supply	Earth	Significant	1979
CA01175	SOULAJULE 33-009	MARIN MUN WATER DISTRICT	Supply	Earth	Low	1979
CA01188	ROGERS DAM	CLARENCE ROGERS	Farm	Earth	Significant	0
CA10189	SOUTH DAM	DOI BR	Supply	Earth	Low	1959
CA10247	HAGMAIER DAM NORTH	DOI NPS WR GOGA	Rec.	Earth	Significant	0
CA10248	HAGMAIER DAM SOUTH	DOI NPS WR GOGA	Rec.	Earth	Significant	0
CA10249	MILL POND DAM	DOI NPS WR PORE	Other	Other	Significant	0
CA10251	HOME RANCH DAM	DOI NPS WR PORE	Farm	Earth	Significant	0

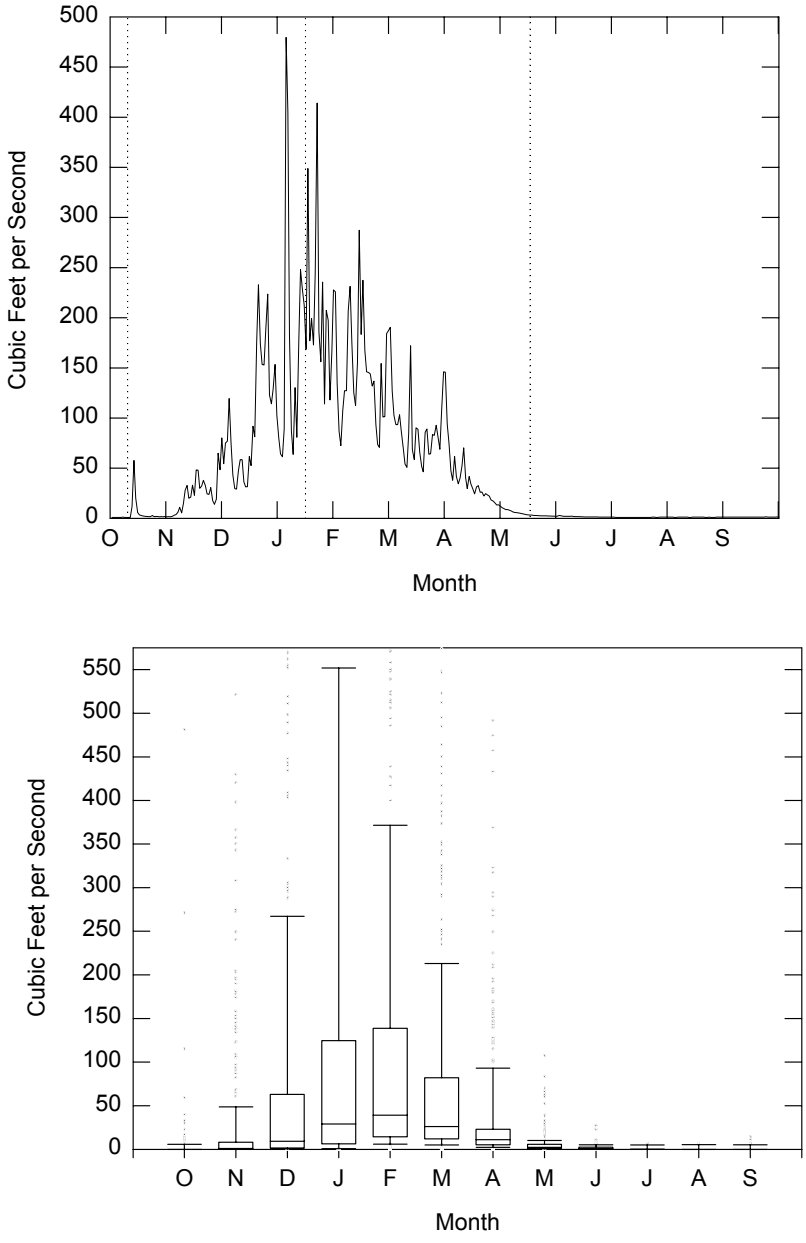
Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the PORE Study Area

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
CA10252	LOWER ESTERO DAM	DOI NPS WR PORE	Farm	Earth	Low	0
CA10253	UPPER ESTERO DAM	DOI NPS WR PORE	Other	Earth	Significant	0
CA10254	LOWER MURPHY DAM	DOI NPS WR PORE	Farm	Earth	Low	0
CA10255	UPPER MURPHY DAM	DOI NPS WR PORE	Farm	Earth	Low	0
CA10258	BEAR VALLEY DAM	DOI NPS WR PORE	Other	Gravity	Low	0
CA10259	KEHOE RANCH DAM	DOI NPS WR PORE	Farm	Earth	Significant	0
CA10260	UPPER TURNEY DAM	DOI NPS WR PORE	Other	Earth	Low	0
CA10261	LOWER TURNEY DAM	DOI NPS WR PORE	Other	Earth	Low	0
CA10262	LOWER MUDDY HOLLOW DAM	DOI NPS WR PORE	Other	Earth	Low	0

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

POINT REYES NATIONAL SEASHORE
Walker Creek near Tomales, CA
11460800, 26 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 Point Reyes National Seashore are: May 15 to Oct. 9, Oct. 10 to Jan. 14, and Jan. 15 to May 14.

CONTACTS FOR AGENCY CODES RETRIEVED FOR PORE

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
21CAL-3	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
21CAL-1	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
111WS	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
21CAL-3G	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
1119REG9	WILSON, ERIC	USEPA REGION 9 WTR-2	(415)744-1964	
21CAL-4	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
11EPALES	LAMBOU, VICTOR W.	USEPA	(702)798-2259	

QUANTITY OF DATA RETRIEVED FOR PORE 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	05/18/67-08/07/90	05/18/67-08/10/77	8	3	0	0	0	0	1611	725	95	56
11NPSWRD	NATIONAL PARK SERVICE	01/17/54-12/08/98	02/17/54-12/08/98	146	118	7	2	0	0	13653	9421	134	68
21CAL-3	CA WATER RES CONTROL BRD	No Data in S.A.	No Data in Park	15	6	0	0	15	6	0	0	0	0
21CAL-1	CA WATER RES CONTROL BRD	01/01/01-01/11/79	01/01/01-02/17/54	20	10	1	0	3	2	237	96	25	20
111WS	USEPA HQ	03/13/75-03/13/75	No Data in Park	1	0	0	0	0	0	7	0	7	0
21CAL-3G	CA WATER RES CONTROL BRD	No Data in S.A.	No Data in Park	2	2	0	0	2	2	0	0	0	0
1119REG9	USEPA REGION 9 WTR-2	No Data in S.A.	No Data in Park	2	2	0	0	2	2	0	0	0	0
21CAL-4	CA WATER RES CONTROL BRD	02/23/77-01/11/79	02/23/77-01/11/79	21	6	0	0	1	0	649	197	13	13
11EPALES	USEPA	11/16/74-11/11/75	No Data in Park	6	0	0	0	0	0	720	0	16	0
Totals		01/01/01-12/08/98	01/01/01-12/08/98	221	147	8	2	23	12	16877	10439	191	122

[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 01/01/01 To 12/08/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75
PORE0001	WEBB CREEK @ HWY 1 CALIF	No	54	54	0	0
PORE0002	WEBB CREEK NEAR STINSON BEACH	No	208	208	0	0
PORE0003	TABLE ROCK C AT STINSON BCH CA	No	81	81	0	0
PORE0004	TABLE ROCK (EASKOOT) CR AT STINSON BEACH	No	188	188	0	0
PORE0005	BLACK ROCK CREEK AT WILLOW AVENUE	No	129	129	0	0
PORE0006	BLACK ROCK CR AT PANORAMIC HWY	Yes	109	109	0	0
PORE0007[!]	EASKOOT CREEK DOWNSTREAM OF CALLE DEL PINOS ST.	No	618	591	24	3
PORE0008[!]	EASKOOT CREEK DOWNSTREAM OF PARKSIDE RESTAURANT	Yes	534	518	14	2
PORE0009[!]	LAUREL CREEK UPSTREAM OF STINSON BEACH CHURCH	No	624	598	24	2
PORE0010[!]	EASKOOT CREEK AT CALLE DEL ARROYO & HWY 1	No	632	605	24	3
PORE0011[!]	FITZHENRY CREEK NEAR BRIDGE ON PARK TRAIL	Yes	591	573	16	2
PORE0012[!]	BOLINAS LAGOON NEAR EASKOOT CREEK INLET	No	621	594	24	3
PORE0013	INNER SEADRIFT LAGOON; 141 SEADRIFT ROAD	No	38	38	0	0
PORE0014[!]	INNER SEADRIFT LAGOON; 175 SEADRIFT ROAD	No	638	612	24	2
PORE0015	INNER SEADRIFT LAGOON; 77 DIPSEA ROAD	No	37	37	0	0
PORE0016	INNER SEADRIFT LAGOON; 271 SEADRIFT ROAD	No	42	42	0	0
PORE0017	21-005 WOODRAT RESERVOIR 2-RUNOFF & CREEK WATER	No	0	0	0	0
PORE0018	21-005 WOODRAT RESERVOIR 1-RUNOFF & CREEK WATER	No	0	0	0	0
PORE0019	PINE C A BOLINAS CA	No	243	0	0	243
PORE0020	PINE GULCH CREEK	No	20	0	0	20
PORE0021	MORSES C A BOLINAS CA	Yes	334	0	0	334
PORE0022	21-005 ARROYO HONDO CREEK-RAW	Yes	0	0	0	0
PORE0023	BOLINAS LAG,UN-CR,NO MORSES GUL	Yes	18	0	0	18
PORE0024	AUDUBON C NR BOLINAS CA	Yes	364	0	0	364
PORE0025	21-002 ALPINE LAKE DAM AT 10FT DEPTH	No	0	0	0	0
PORE0026	PINE GULCH CREEK	Yes	12	0	0	12
PORE0027	ALAMEA CREEK	Yes	12	0	0	12
PORE0028	CONTRA COSTA CO.WATER DEPT.	No	7	0	7	0
PORE0029	CENTER OF KENT LAKE	No	18	0	0	18
PORE0030	BLUE LINE	Yes	8	8	0	0
PORE0031	A RANCH PERENNIAL	Yes	15	15	0	0
PORE0032	OLEMA CREEK 1 KM UPSTREAM OF STEWART RANCH	Yes	21	0	21	0
PORE0033	21-002 KENT LAKE DAM AT 10FT DEPTH	No	0	0	0	0
PORE0034	GIACOMINI GULCH	Yes	8	8	0	0
PORE0035	OLEMA CREEK 1/2 KM UPSTREAM OF STEWART RANCH	Yes	21	0	21	0
PORE0036	LAGUNITAS CREEK UPSTREAM OF SHAFTER BRIDGE	No	197	0	197	0
PORE0037	OLEMA CREEK AT STEWART RANCH	Yes	21	0	21	0
PORE0038	LAGUNITAS CREEK 1/2 MILE DOWNSTREAM OF SHAFTER	Yes	8	8	0	0
PORE0039	LAGUNITAS CREEK 1/2 MILE DOWNSTREAM OF SHAFTER	Yes	8	8	0	0
PORE0040	LAGUNITAS CREEK 1/2 MILE DOWNSTREAM OF SHAFTER	Yes	8	8	0	0
PORE0041	LAGUNITAS CREEK 1/2 MILE DOWNSTREAM OF SHAFTER	Yes	8	8	0	0
PORE0042	SAN GERONIMO CREEK 3/4 MI DOWNSTREAM OF WOODACRE	No	12	12	0	0
PORE0043	SAN GERONIMO CREEK 3/4 MI DOWNSTREAM OF WOODACRE	No	12	12	0	0
PORE0044	SAN GERONIMO CREEK 3/4 MI DOWNSTREAM OF WOODACRE	No	12	12	0	0
PORE0045	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR	Yes	12	12	0	0
PORE0046	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR	Yes	12	12	0	0
PORE0047	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR	Yes	12	12	0	0
PORE0048	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR	Yes	8	8	0	0
PORE0049	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR	Yes	8	8	0	0
PORE0050	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR	Yes	8	8	0	0
PORE0051	OLEMA CREEK 1/2 KM DOWNSTREAM OF STEWART RANCH	Yes	21	0	21	0
PORE0052	LAGUNITAS CREEK UPSTREAM OF IRVING BRIDGE	Yes	95	0	95	0
PORE0053	21-300 BARNABY CREEK DIVERSION	Yes	0	0	0	0
PORE0054	DRAKE BEACH	Yes	4	0	0	4
PORE0055	21-300 DEADMAN CREEK WATER AT COLLECTION BOX	Yes	0	0	0	0
PORE0056	21-300 INFILTRATION GALLERY	Yes	0	0	0	0
PORE0057	21-300 SIDESPRING	Yes	0	0	0	0
PORE0058	LAGUNITAS CREEK UPSTREAM OF DEVILS GULCH CREEK	Yes	204	0	204	0
PORE0059	BEAR VALLEY CREEK UPSTREAM FROM TRIBUTARY 2	No	22	0	0	22
PORE0060	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF JEWELL	Yes	8	8	0	0
PORE0061	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF JEWELL	Yes	8	8	0	0
PORE0062	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF JEWELL	Yes	8	8	0	0
PORE0063	LAGUNITAS CREEK 1/2 MILE UPSTREAM OF JEWELL	Yes	8	8	0	0
PORE0064	BEAR VALLEY CREEK TRIBUTARY 2	Yes	10	0	0	10
PORE0065	LAGUNA RANCH C 4MI SW PT REYES ST	Yes	18	0	0	18
PORE0066	DEVILS GULCH CREEK	Yes	12	12	0	0
PORE0067	DEVILS GULCH CREEK	Yes	12	12	0	0
PORE0068	DEVILS GULCH CREEK	Yes	8	8	0	0
PORE0069	OLEMA CREEK	Yes	5	0	0	5
PORE0070	OLEMA CREEK 3 KM DOWNSTREAM OF STEWART RANCH	Yes	21	0	21	0
PORE0071	OLEMA CR AB OLEMA	Yes	20	0	0	20

Station Period of Record Tabulation
From 01/01/01 To 12/08/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75
PORE0072	DRAKES ESTERO SAMPLING SITE #5	Yes	302	302	0	0
PORE0073	LAGUNITAS CREEK 1/4 MILE DOWNSTREAM OF JEWELL	Yes	8	8	0	0
PORE0074	LAGUNITAS CREEK 1/4 MILE DOWNSTREAM OF JEWELL	Yes	8	8	0	0
PORE0075	LAGUNITAS CREEK 1/4 MILE DOWNSTREAM OF JEWELL	Yes	8	8	0	0
PORE0076	OLEMA C A OLEMA CA	Yes	27	0	27	0
PORE0077	OLEMA CREEK AT BEAR VALLEY ROAD	Yes	1	0	0	1
PORE0078	OLEMA CREEK AT BEAR VALLEY ROAD	Yes	40	0	40	0
PORE0079	BEAR VALLEY	Yes	8	8	0	0
PORE0080	BEAR VALLEY RANCH	Yes	4	0	0	4
PORE0081	LAGUNA CREEK	Yes	9	0	0	9
PORE0082	BEAR VALLEY CREEK TRIBUTARY 1	Yes	5	0	0	5
PORE0083	UNNAMED CREEK AT AMERICAN YOUTH HOSTEL	Yes	14	14	0	0
PORE0084	POINT REYES BEACH	Yes	4	0	0	4
PORE0085	DRAKES ESTERO SAMPLING SITE #4	Yes	507	507	0	0
PORE0086	BAYVIEW CREEK	Yes	297	297	0	0
PORE0087	MUDDY HOLLOW CREEK	Yes	8	0	0	8
PORE0088	DRAKES ESTERO SAMPLING SITE #14	Yes	198	198	0	0
PORE0089	LAGUINTAS CREEK AT SIR FRANCIS DRAKE ROAD	Yes	1	0	0	1
PORE0090	LAGUINTAS C A SIR FRANCIS DRAKE	Yes	40	0	40	0
PORE0091	MUDDY HOLLOW	Yes	8	8	0	0
PORE0092	DRAKES ESTERO SAMPLING SITE #12	Yes	89	89	0	0
PORE0093	DRAKES ESTERO SAMPLING SITE #6	Yes	318	318	0	0
PORE0094	GLENBROOK CREEK AT MUDDY HOLLOW-HOME RANCH ROAD	Yes	16	16	0	0
PORE0095	DRAKES ESTERO SAMPLING SITE #16	Yes	106	106	0	0
PORE0096	DRAKES ESTERO SAMPLING SITE #17	Yes	151	151	0	0
PORE0097	DRAKES ESTERO SAMPLING SITE #18	Yes	8	8	0	0
PORE0098	DRAKES ESTERO SAMPLING SITE #19	Yes	8	8	0	0
PORE0099	DRAKES ESTERO SAMPLING SITE #13	Yes	356	356	0	0
PORE0100	DRAKES ESTERO S OF BULL POINT	Yes	0	0	0	0
PORE0101	GLENBROOK CREEK	Yes	9	0	0	9
PORE0102	DRAKES ESTERO SAMPLING SITE #3	Yes	324	324	0	0
PORE0103	SAN GERONIMO CH AT SIR FRANCIS DRAKE	No	1	0	0	1
PORE0104	SAN GERONIMO CH A SIR FRANCIS DR	No	44	0	44	0
PORE0105	CREAMERY BAY, DRAKES ESTERO	Yes	0	0	0	0
PORE0106	NICASIO CREEK	No	77	0	65	12
PORE0107	DRAKES ESTERO SAMPLING SITE #7	Yes	499	499	0	0
PORE0108	LAGUINTAS CREEK AT HWY 1	No	22	0	3	19
PORE0109	LAGUINTAS CREEK AT HWY 1	No	42	0	42	0
PORE0110	LAGUNITAS CREEK	No	20	0	0	20
PORE0111	DRAKES ESTERO SAMPLING SITE #15	Yes	220	220	0	0
PORE0112	DRAKES ESTERO SAMPLING SITE #2	Yes	359	359	0	0
PORE0113	HALLECK CREEK	No	59	0	53	6
PORE0114	LAGUNITAS CREEK AT TOCALOMA PIPELINE CROSSING	Yes	108	0	108	0
PORE0115	NICASIO C A PT REYES STA - PET BR	No	1	0	0	1
PORE0116	NICASIO C A PT REYES STA-PET BR	No	40	0	40	0
PORE0117	DRAKES ESTERO SAMPLING SITE #10	Yes	97	97	0	0
PORE0118	21-006 POINT REYES UNDERGROUND STREAM-WELL 1	Yes	0	0	0	0
PORE0119	21-006 POINT REYES UNDERGROUND STREAM-WELL 2	Yes	0	0	0	0
PORE0120	NICASIO RESERVOIR	No	140	0	140	0
PORE0121	MAIN HOME CREEK	Yes	58	58	0	0
PORE0122	DRAKES ESTERO SAMPLING SITE #11	Yes	93	93	0	0
PORE0123	21-006 TREATED COASTGUARD WELL H2O-PT. REYES WTP	No	0	0	0	0
PORE0124	HOME RANCH CREEK	Yes	279	279	0	0
PORE0125	NICASIO CREEK	No	80	0	69	11
PORE0126	DRAKES ESTERO SAMPLING SITE #1	Yes	323	323	0	0
PORE0127	21-002 NICASIO LAKE DAM AT 10FT DEPTH	No	0	0	0	0
PORE0128	NICASIO RESERVOIR	No	225	0	225	0
PORE0129	DRAKES ESTERO SAMPLING SITE #9	Yes	463	463	0	0
PORE0130	UNNAMED CREEK FLOWING NE INTO HOME BAY	Yes	31	31	0	0
PORE0131	LAGUNITAS C NR PT REYES STATION CA	No	207	180	27	0
PORE0132	NORTH HOME CREEK	Yes	58	58	0	0
PORE0133	DRAKES ESTERO SAMPLING SITE #8	Yes	507	507	0	0
PORE0134	GRAND CANYON AT HWY 1	Yes	24	0	24	0
PORE0135	CENTER OF NICASIO RESERVOIR	No	18	0	0	18
PORE0136	CREAMERY CREEK	Yes	43	43	0	0
PORE0137	NICASIO RESERVOIR	No	139	0	139	0
PORE0138	EAST SCHOONER CREEK	Yes	116	116	0	0
PORE0139	TOMALES BAY A BIVALVE	Yes	0	0	0	0
PORE0140	EAST SCHOONER	Yes	8	8	0	0
PORE0141	UNNAMED CREEK FLOWING INTO SCHOONER BAY	Yes	42	42	0	0
PORE0142	SCHOONER BAY C A BLACKSMITH SHOP	Yes	18	0	0	18

Station Period of Record Tabulation
From 01/01/01 To 12/08/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75
PORE0143	TOMALES BAY - POINT REYES STATION DELTA	Yes	6	0	0	6
PORE0144	NORTH SCHOONER CREEK	Yes	118	118	0	0
PORE0145	21-001 RAW CREEK WATER @ PLANT 1	No	0	0	0	0
PORE0146	21-001 RAW CREEK WATER @ PLANT 2	No	0	0	0	0
PORE0147	UNNAMED CREEK FLOWING NNE INTO SCHOONER BAY	Yes	213	213	0	0
PORE0148	TOMALES BAY; MID-BAY AT MILLERTON CHANNEL	Yes	3	0	0	3
PORE0149	TOMALES BAY - SOUTH DOUBLE POINT CHANNEL	Yes	14	0	0	14
PORE0150	21-001 RAW CREEK WATER	Yes	0	0	0	0
PORE0151	MILLERTON GULCH AT HWY 1	No	24	0	24	0
PORE0152	TOMALES BAY TRIB AT CHICKEN RANCH BEA	No	24	0	24	0
PORE0153	ABBOTTS LAGOON-CENTER MAIN BODY OF LAGOON	Yes	16	16	0	0
PORE0154	TOMALES BAY; MID-BAY AT DOUBLE POINT CHANNEL	Yes	6	0	0	6
PORE0155	TOMALES BAY AT TOMALES BAY OYSTER CO	Yes	1	0	0	1
PORE0156	TOMALES BAY A TOMALES B OYSTR CO	Yes	31	0	31	0
PORE0157	TOMALES BAY - NORTH DOUBLE POINT CHANNEL	Yes	14	0	0	14
PORE0158	ABBOTTS LAGOON-OFFSHORE FROM CALL BUILDING	Yes	18	18	0	0
PORE0159	ABBOTTS LAGOON-CENTER NORTHEAST ARM	Yes	36	36	0	0
PORE0160	ABBOTTS LAGOON-UPPER NORTHEAST ARM	Yes	18	18	0	0
PORE0161	ABBOTTS LAGOON-NORTHEAST CORNER	Yes	18	18	0	0
PORE0162	HORSE BARN SPRING-NORTH RANGER STATION	Yes	62	62	0	0
PORE0163	ABBOTTS PERENNIAL	Yes	8	8	0	0
PORE0164	UNNAMED CREEK FLOWING INTO NE ABBOTTS LAGOON	Yes	347	347	0	0
PORE0165	TOMALES BAY TRIB AT HEARTS DESIRE	No	24	0	24	0
PORE0166	TOMALES BAY AT HEARTS DESIRE PUB B	Yes	0	0	0	0
PORE0167	TOMALES BAY AT MARCONI COVE MARINA	Yes	21	0	21	0
PORE0168	TOMALES BAY - CABLE CROSSING CHANNEL	Yes	14	0	0	14
PORE0169	TOMALES BAY - CABLE CROSSING CHANNEL	Yes	14	0	0	14
PORE0170	21-002 SOULAJULE LAKE DAM-AT 10FT DEPTH	No	0	0	0	0
PORE0171	NORTH KEHOE	Yes	8	8	0	0
PORE0172	UNNAMED CREEK FLOWING INTO KEHOE BEACH	Yes	28	28	0	0
PORE0173	UNNAMED CREEK	Yes	5	0	0	5
PORE0174	PT REYES BE C BL KEYHOE PIERCE RD	Yes	19	0	0	19
PORE0175	SOUTH KEHOE	Yes	8	8	0	0
PORE0176	TOMALES BAY - WEST SIDE OF MARSHALL CHANNEL	Yes	10	0	0	10
PORE0177	TOMALES BAY; MID-BAY AT MARSHALL CHANNEL	Yes	48	0	0	48
PORE0178	TOMALES BAY; MID-BAY AT MARSHALL CHANNEL	Yes	12	0	0	12
PORE0179	TOMALES BAY - EAST SIDE OF MARSHALL CHANNEL	Yes	14	0	0	14
PORE0180	TOMALES BAY - NORTH OF MARSHALL CHANNEL	Yes	6	0	0	6
PORE0181	SALMON CREEK ABOVE ARROYO SAUSAL	No	1	0	0	1
PORE0182	SALMON CREEK AB ARROYO SAUSAL	No	32	0	32	0
PORE0183	VERDE CREEK AT MARSHALL PETALUMA ROAD	No	22	0	22	0
PORE0184	WALKER CREEK ABOVE VERDE CANYON	No	1	0	0	1
PORE0185	WALKER CREEK AB VERDE CANYON	No	40	0	40	0
PORE0186	WALKER CREEK AT SYNANON RANCH	No	0	0	0	0
PORE0187	WALKER C A SYNANON RANCH	No	0	0	0	0
PORE0188	TOMALES BAY TRIB 1 MILE NORTH OF MARSHALL	No	8	0	8	0
PORE0189	TOMALES BAY (MID-BAY)	Yes	13	0	0	13
PORE0190	TOMALES BAY SOUTH OF PELICAN POINT	Yes	12	0	0	12
PORE0191	MCCLURE BEACH	Yes	12	0	0	12
PORE0192	UNNAMED CREEK FLOWING INTO MCCLURES BEACH	Yes	245	245	0	0
PORE0193	TOMALES BAY NEAR PELICAN POINT	Yes	6	0	0	6
PORE0194	TOMALES BAY - PELICAN POINT	Yes	14	0	0	14
PORE0195	TOMALES BAY; MID-CHANNEL AT PELICAN POINT	Yes	14	0	0	14
PORE0196	TOMALES BAY - WHITE GULCH CHANNEL	Yes	14	0	0	14
PORE0197	TOMALES BAY - HOG ISLAND CHANNEL	Yes	14	0	0	14
PORE0198	TOMALES BAY A NICKS GOUE	Yes	41	0	41	0
PORE0199	TOMALES BAY - CHANNEL NORTH OF WHITE GULCH	Yes	14	0	0	14
PORE0200	TOMALES BAY SOUTH OF WALKER CREEK	No	6	0	0	6
PORE0201	TOMALES BAY A HAMLET	No	41	0	41	0
PORE0202	TOMALES BAY - WALKER CREEK CHANNEL	No	14	0	0	14
PORE0203	WALKER CREEK NEAR TOMALES, CALIFORNIA	No	301	0	0	301
PORE0204	TOMALES BAY NEAR WHITE GULCH CHANNEL	No	48	0	0	48
PORE0205	WALKER CREEK NEAR TOMALES	No	1	0	0	1
PORE0206	TOMALES BAY - TOM'S POINT CHANNEL	Yes	14	0	0	14
PORE0207	TOMALES BAY IN VICINITY OF WALKER CREEK	Yes	6	0	0	6
PORE0208	TOMALES BAY - TOM'S PT. CHANNEL (MUD FLAT)	No	14	0	0	14
PORE0209	TOMALES BAY - SOUTH AVALIS CHANNEL	Yes	12	0	0	12
PORE0210	TOMALES BAY NEAR TOM'S PT. CHANNEL MUD FLAT	No	14	0	0	14
PORE0211	ENTRANCE OF TOMALES BAY	Yes	8	0	0	8
PORE0212	ENTRANCE OF TOMALES BAY	Yes	14	0	0	14
PORE0213[1]	WALKER CREEK AT CAMP TOMALES	No	94	0	0	94

Station Period of Record Tabulation
From 01/01/01 To 12/08/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75
PORE0214	TOMALES BAY - SAND POINT CHANNEL	No	14	0	0	14
PORE0215	WALKER CREEK AT HWY 1	No	19	0	0	19
PORE0216	WALKER CREEK AT HWY 1	No	44	0	44	0
PORE0217	NORTH OF ENTRANCE TO TOMALES BAY	No	10	0	0	10
PORE0218	KEYS CREEK AT HWY 1	No	1	0	0	1
PORE0219	KEYS CREEK AT HWY 1	No	43	0	43	0
PORE0220	KEYS CREEK TRIB AT MOUTH AT TOMALES	No	24	0	24	0
PORE0221	BODEGA BAY - DILLON BEACH	No	6	0	0	6

[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 01/01/01 To 12/08/98

Parameter Code	Name	Total Obs	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	40	0	40	0	3	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	1633	1224	69	340	113	84
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	269	0	215	54	43	22
00025	BAROMETRIC PRESSURE (MM OF HG)	10	10	0	0	4	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	44	28	3	13	11	5
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	28	28	0	0	3	0
00041	WEATHER (WMO CODE 4501)	1	0	0	1	1	0
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	16	0	0	16	16	8
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	54	0	0	54	9	8
00060	FLOW, STREAM, MEAN DAILY CFS	191	0	0	191	4	2
00061	FLOW, STREAM, INSTANTANEOUS CFS	117	37	48	32	33	9
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	22	5	0	17	5	2
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	40	0	40	0	3	0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	4	0	0	4	4	2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1	0	0	1	1	1
00077	TRANSPARENCY, SECCHI DISC (INCHES)	9	0	9	0	3	0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	121	0	120	1	24	6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	132	113	2	17	34	22
00295	OXYGEN, DISSOLVED ML/L	88	0	0	88	22	17
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	259	108	151	0	27	23
00300	OXYGEN, DISSOLVED MG/L	143	12	127	4	35	12
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	17	12	5	0	7	5
00310	BOD, 5 DAY, 20 DEG C MG/L	5	0	5	0	5	5
00400	PH (STANDARD UNITS)	143	13	122	8	36	9
00403	PH, LAB, STANDARD UNITS SU	18	5	0	13	11	5
00405	CARBON DIOXIDE (MG/L AS CO2)	7	0	7	0	7	6
00406	PH, FIELD, STANDARD UNITS SU	5	0	5	0	5	5
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	63	12	47	4	17	6
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	5	0	5	0	5	5
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	2	2	0	0	1	0
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	2	2	0	0	1	0
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	8	8	0	0	2	0
00440	BICARBONATE ION (MG/L AS HCO3)	8	0	2	6	8	3
00445	CARBONATE ION (MG/L AS CO3)	8	0	2	6	8	3
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	3	3	0	0	2	0
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	12	12	0	0	3	0
00480	SALINITY - PARTS PER THOUSAND	1209	1073	0	136	57	49
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	100	95	5	0	21	21
00600	NITROGEN, TOTAL (MG/L AS N)	80	80	0	0	15	15
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	86	86	0	0	16	16
00602	NITROGEN, DISSOLVED (MG/L AS N)	85	85	0	0	16	16
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	84	84	0	0	15	15
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1366	1220	141	5	50	23
00612	AMMONIA, UNIONZED (MG/L AS N)	1	1	0	0	1	1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	86	81	5	0	15	8
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	2	0	0	2	2	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	35	25	5	5	18	8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	82	0	78	4	6	0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1324	1241	78	5	32	19
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	14	12	2	0	6	1
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14	9	5	0	14	14
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	5	0	5	0	5	5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	150	72	73	5	18	12
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	79	79	0	0	15	15
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	69	69	0	0	12	12
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	5	0	5	0	5	5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	200	118	77	5	26	16
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	78	78	0	0	14	14
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	86	86	0	0	16	16
00900	HARDNESS, TOTAL (MG/L AS CACO3)	34	8	7	19	26	15
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	14	8	2	4	9	3
00915	CALCIUM, DISSOLVED (MG/L AS CA)	31	12	2	17	18	6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	29	12	2	15	18	6
00930	SODIUM, DISSOLVED (MG/L AS NA)	29	12	2	15	18	6
00931	SODIUM ADSORPTION RATIO	10	8	2	0	5	1
00932	SODIUM, PERCENT	14	8	2	4	9	3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	28	12	2	14	18	6
00940	CHLORIDE,TOTAL IN WATER MG/L	14	12	2	0	6	1
00941	CHLORIDE, DISSOLVED IN WATER MG/L	21	0	0	21	16	9
00945	SULFATE, TOTAL (MG/L AS SO4)	14	12	2	0	6	1
00946	SULFATE, DISSOLVED (MG/L AS SO4)	19	0	0	19	16	9

Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Parameter Code	Name	Total Obs	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00950	FLUORIDE, DISSOLVED (MG/L AS F)	29	12	2	15	18	6
00955	SILICA, DISSOLVED (MG/L AS SI02)	128	110	2	16	34	22
01002	ARSENIC, TOTAL (UG/L AS AS)	12	12	0	0	4	0
01020	BORON, DISSOLVED (UG/L AS B)	31	12	2	17	18	6
01027	CADMIUM, TOTAL (UG/L AS CD)	12	12	0	0	4	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	12	12	0	0	4	0
01042	COPPER, TOTAL (UG/L AS CU)	12	12	0	0	4	0
01045	IRON, TOTAL (UG/L AS FE)	4	0	0	4	4	4
01046	IRON, DISSOLVED (UG/L AS FE)	16	12	2	2	8	1
01051	LEAD, TOTAL (UG/L AS PB)	12	12	0	0	4	0
01092	ZINC, TOTAL (UG/L AS ZN)	12	12	0	0	4	0
01147	SELENIUM, TOTAL (UG/L AS SE)	5	5	0	0	3	0
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	57	57	0	0	5	5
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	5	0	5	0	5	5
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	2503	2342	154	7	65	42
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	22	0	22	0	12	4
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	1022	915	97	10	24	7
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	1514	1435	79	0	45	31
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12	12	0	0	3	0
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12	12	0	0	3	0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	12	0	12	0	7	2
31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	11	0	11	0	7	2
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
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	9	0	9	0	3	0
34306	CHLORODIBROMOMETHANE TOTWUG/L	1	0	1	0	1	0
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	2	2	0	0	2	0
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	12	0	0	12	8	5
39054	SIMETRYNE IN WHOLE WATER (UG/L)	2	2	0	0	2	0
39055	SIMAZINE IN WHOLE WATER (UG/L)	2	2	0	0	2	0
39056	PROMETONE IN WHOLE WATER (UG/L)	2	2	0	0	2	0
39057	PROMETRYNE IN WHOLE WATER (UG/L)	2	2	0	0	2	0
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	2	0	0	2	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	2	2	0	0	2	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	2	0	0	2	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	1	1	0	0	1	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	2	0	0	2	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	2	2	0	0	2	0
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	2	0	0	2	0
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	2	2	0	0	2	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	2	2	0	0	2	0
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	2	2	0	0	2	0
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	2	2	0	0	2	0
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
45634	HARDNESS, CALCIUM, AS CAC03, WATER, WHOLE, MG/L	5	0	5	0	5	5
45635	HARDNESS, MAGNESIUM, AS CAC03, WATER, WHOLE, MG/L	5	0	5	0	5	5
49701	TRANSPARENCY, SECCHI DISK, WATER FT	40	0	0	40	20	15
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	10	10	0	0	9	9
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	9	9	0	0	9	9
61028	TURBIDITY, WATER, UNFILTERED NTU	9	9	0	0	9	9
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	325	325	0	0	24	24
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	96	96	0	0	15	15
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	17	12	5	0	9	5
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	16	8	2	6	11	3
70302	SOLIDS, DISSOLVED-TONS PER DAY	2	0	2	0	2	1
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10	8	2	0	4	1

Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Parameter Code	Name	Total Obs	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	29	20	0	9	6	2
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11	2	0	9	5	2
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	10	1	0	9	5	2
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	9	1	0	8	5	2
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	5	0	0	5	4	2
70336	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 2.00MM	1	0	0	1	1	0
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	26	0	0	26	4	2
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	26	0	0	26	4	2
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	27	0	0	27	4	2
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	27	0	0	27	4	2
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	27	0	0	27	4	2
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	22	0	0	22	3	1
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	22	0	0	22	3	1
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	22	0	0	22	3	1
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	20	0	0	20	3	1
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	11	0	0	11	3	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	106	106	0	0	16	16
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	9	9	0	0	9	9
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14	0	0	14	10	5
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	9	9	0	0	9	9
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	103	103	0	0	16	16
71900	MERCURY, TOTAL (UG/L AS HG)	12	12	0	0	4	0
72025	DEPTH OF POND OR RESERVOIR IN FEET	9	0	9	0	3	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	217	24	0	193	8	2
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	197	4	0	193	7	2
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	15	5	0	10	5	2
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	19	5	0	14	5	2
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	22	5	0	17	5	2
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	22	5	0	17	5	2
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	21	5	0	16	5	2
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	20	5	0	15	5	2
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	19	4	0	15	5	2
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	19	4	0	15	5	2
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	19	4	0	15	5	2
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	16	1	0	15	5	2
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	5	0	0	5	1	0
81280	NONPURGEABLE ORGANIC CARBON MG/L	1	0	1	0	1	0
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	164	164	0	0	9	3
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	2	2	0	0	2	0
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	2	2	0	0	2	0
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	5	0	5	0	5	5
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	2	2	0	0	2	0
82398	SAMPLING METHOD (CODES)	3	3	0	0	2	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	1	1	0	0	1	0
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	1	1	0	0	1	0
84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	42	0	0	42	9	6
85334	TEMPERATURE-DEG F, MINIMUM WATER	150	0	150	0	4	3
85335	TEMPERATURE- DEG F , MAXIMUM WATER	146	0	146	0	4	3
85583	TEMPERATURE,INTRAGRAVEL WATER	82	82	0	0	23	20

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0120	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/13/75-11/11/75	0	11	
PORE0128	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/13/75-11/11/75	0	18	
PORE0137	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/13/75-11/11/75	0	11	
PORE0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/86-01/31/86	0	1	
PORE0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/86-06/01/88	1	5	
PORE0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/23/88-06/01/88	0	3	
PORE0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/30/86-06/10/87	1	4	
PORE0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/68-01/24/70	1	19	
PORE0021	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/18/67-07/07/69	2	73	
PORE0024	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/18/67-07/07/69	2	83	
PORE0031	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/98-03/10/98	0	1	
PORE0032	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/78-09/06/78	0	1	
PORE0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	0	3	
PORE0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	0	3	
PORE0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	0	3	
PORE0045	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	0	3	
PORE0046	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	0	3	
PORE0047	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	0	3	
PORE0051	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/78-09/06/78	0	1	
PORE0066	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	0	3	
PORE0067	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	0	3	
PORE0068	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/10/91	0	2	
PORE0070	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/78-09/06/78	0	1	
PORE0072	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	8	62	
PORE0076	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/77-08/10/77	0	1	
PORE0078	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0083	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/06/87	0	1	
PORE0085	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	8	102	
PORE0086	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-09/29/88	0	17	
PORE0088	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-10/27/98	4	45	
PORE0090	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0092	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/09/93-10/27/98	5	19	
PORE0093	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	8	65	
PORE0094	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/87-10/19/87	0	1	
PORE0095	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/16/96-02/24/98	2	23	
PORE0096	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/16/96-12/08/98	2	30	
PORE0097	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/24/98-02/24/98	0	1	
PORE0098	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/24/98-02/24/98	0	1	
PORE0099	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/08/98	4	75	
PORE0102	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	8	67	
PORE0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0107	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	8	99	
PORE0109	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0111	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/95-12/08/98	3	44	
PORE0112	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	8	74	
PORE0116	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0117	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	6	20	
PORE0120	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/75-11/11/75	0	11	
PORE0121	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/94-02/10/98	3	7	
PORE0122	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	6	20	
PORE0124	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-09/29/88	0	16	
PORE0126	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	8	66	
PORE0128	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/75-11/11/75	0	18	
PORE0129	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	7	98	
PORE0130	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/29/87	0	2	
PORE0131	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/77-03/05/90	12	19	
PORE0132	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/94-02/10/98	3	6	
PORE0133	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	8	100	
PORE0136	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/94-10/27/98	3	5	
PORE0137	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/75-11/11/75	0	11	
PORE0138	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/91-10/27/98	6	22	
PORE0141	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/29/87	0	2	
PORE0143	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/60-07/15/60	0	2	
PORE0144	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/91-02/10/98	6	22	
PORE0147	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/87-09/29/88	0	11	
PORE0148	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	0	1	
PORE0149	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/60-07/15/60	0	4	
PORE0153	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	0	1	
PORE0154	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	0	2	
PORE0156	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/23/77	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0157	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/60-07/13/60	0	4	
PORE0158	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/29/87	0	2	
PORE0164	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-09/29/88	0	19	
PORE0168	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/60-07/13/60	0	4	
PORE0169	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/60-07/31/60	0	4	
PORE0172	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/19/87	0	2	
PORE0176	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/60-07/10/60	0	4	
PORE0177	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/61-02/05/61	0	16	
PORE0178	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/60-07/09/60	0	4	
PORE0179	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/60-07/09/60	0	4	
PORE0180	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	0	2	
PORE0182	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/23/77	0	1	
PORE0185	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0189	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/07/60-07/07/60	0	4	
PORE0190	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/60-07/29/60	0	4	
PORE0192	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/87-09/29/88	0	14	
PORE0193	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	0	2	
PORE0194	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/60-07/05/60	0	4	
PORE0195	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/60-07/12/60	0	4	
PORE0196	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/60-07/17/60	0	4	
PORE0197	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/60-07/21/60	0	4	
PORE0198	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0199	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/60-07/01/60	0	4	
PORE0200	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	0	2	
PORE0201	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0202	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/60-07/21/60	0	4	
PORE0203	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/70-05/02/72	1	29	
PORE0204	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/03/60-02/04/61	0	13	
PORE0206	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/60-06/26/60	0	4	
PORE0207	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	0	2	
PORE0208	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/60-07/25/60	0	4	
PORE0209	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/60-07/19/60	0	4	
PORE0210	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/60-07/25/60	0	4	
PORE0211	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/60-06/27/60	0	4	
PORE0212	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/60-08/02/60	0	4	
PORE0214	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/60-07/23/60	0	4	
PORE0216	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0217	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/60-06/27/60	0	4	
PORE0219	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	0	2	
PORE0221	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/61-02/04/61	0	2	
PORE0020	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/07/54-01/07/54	0	1	
PORE0026	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/25/65-10/01/65	0	6	
PORE0027	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/25/65-10/01/65	0	6	
PORE0036	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/06/83-11/06/84	1	52	
PORE0052	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/06/83-10/17/83	0	25	
PORE0058	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/06/83-11/06/84	1	52	
PORE0059	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-10/01/65	1	10	
PORE0064	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-10/22/64	0	4	
PORE0065	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/07/54-01/07/54	0	1	
PORE0071	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/54-02/17/54	0	1	
PORE0078	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0081	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/01/64-10/22/64	0	3	
PORE0082	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-10/22/64	0	2	
PORE0087	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/01/64-07/31/64	0	2	
PORE0090	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0101	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-10/22/64	0	4	
PORE0104	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0108	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/54-02/17/54	0	1	
PORE0109	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0110	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/54-02/17/54	0	1	
PORE0114	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/09/84-11/06/84	0	28	
PORE0116	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0134	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0142	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/08/54-01/08/54	0	1	
PORE0151	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0152	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0156	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	

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Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0165	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0167	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0174	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/54-02/17/54	0	1	
PORE0182	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0183	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0185	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0188	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/11/79-01/11/79	0	1	
PORE0191	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-07/31/64	0	3	
PORE0198	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0201	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0213	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/59-04/06/62	2	5	
PORE0215	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/18/54-02/18/54	0	1	
PORE0216	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0219	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0220	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	0	3	
PORE0001	No	00025	BAROMETRIC PRESSURE (MM OF HG)	01/31/86-01/31/86	0	1	
PORE0002	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/27/86-06/10/87	0	3	
PORE0003	No	00025	BAROMETRIC PRESSURE (MM OF HG)	03/23/88-06/01/88	0	2	
PORE0004	No	00025	BAROMETRIC PRESSURE (MM OF HG)	01/30/86-06/10/87	1	4	
PORE0001	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/31/86-01/31/86	0	1	
PORE0003	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/23/88-06/01/88	0	3	
PORE0023	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/07/54-01/07/54	0	1	
PORE0065	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/07/54-01/07/54	0	1	
PORE0071	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	02/17/54-02/17/54	0	1	
PORE0108	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	02/17/54-01/11/79	24	4	
PORE0131	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/25/89-08/07/90	0	24	
PORE0142	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/08/54-01/08/54	0	1	
PORE0174	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	02/17/54-02/17/54	0	1	
PORE0213	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/02/58-04/06/62	3	6	
PORE0215	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	02/18/54-02/18/54	0	1	
PORE0001	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/31/86-01/31/86	0	1	
PORE0003	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/23/88-06/01/88	0	3	
PORE0131	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/25/89-08/07/90	0	24	
PORE0108	No	00041	WEATHER (WMO CODE 4501)	01/01/01-01/01/01	0	1	
PORE0023	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0065	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0071	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0077	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0089	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0103	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0115	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0142	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0155	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0174	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0181	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0184	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0205	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0213	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0215	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0218	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
PORE0026	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	05/25/65-10/01/65	0	6	
PORE0027	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	05/25/65-10/01/65	0	6	
PORE0059	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/01/65	1	12	
PORE0064	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	0	6	
PORE0081	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	0	6	
PORE0082	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	0	3	
PORE0087	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	0	6	
PORE0101	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	0	5	
PORE0191	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-09/01/64	0	4	
PORE0019	No	00060	FLOW, STREAM, MEAN DAILY CFS	01/29/68-01/24/70	1	19	
PORE0021	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	05/18/67-07/07/69	2	73	
PORE0024	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	05/18/67-07/07/69	2	83	
PORE0203	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/12/70-06/03/71	0	16	
PORE0001	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/31/86-01/31/86	0	1	
PORE0002	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/27/86-06/01/88	1	5	
PORE0003	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/23/88-06/01/88	0	3	
PORE0004	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/30/86-06/10/87	1	4	
PORE0020	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/17/54-01/17/54	0	1	
PORE0023	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/07/54-01/07/54	0	1	
PORE0065	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/07/54-01/07/54	0	1	
PORE0071	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/17/54-02/17/54	0	1	
PORE0076	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/77-08/10/77	0	1	

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Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0078	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0090	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0104	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0108	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/17/54-02/17/54	0	1	
PORE0109	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0110	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/17/54-02/17/54	0	1	
PORE0116	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0131	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/77-08/07/90	12	25	
PORE0134	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0142	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/08/54-01/08/54	0	1	
PORE0151	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0152	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0165	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0174	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/17/54-02/17/54	0	1	
PORE0182	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0183	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0185	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0188	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/11/79-01/11/79	0	1	
PORE0203	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/12/71-05/02/72	0	19	
PORE0213	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/58-04/06/62	3	4	
PORE0215	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/18/54-02/18/54	0	1	
PORE0216	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0219	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0220	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	0	3	
PORE0019	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	11/04/68-12/19/69	1	4	
PORE0021	Yes	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	11/04/68-01/13/69	0	2	
PORE0024	Yes	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	11/04/68-01/13/69	0	2	
PORE0131	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	08/07/90-08/07/90	0	5	
PORE0203	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	11/12/70-05/02/72	1	9	
PORE0120	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/13/75-11/11/75	0	11	
PORE0128	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/13/75-11/11/75	0	18	
PORE0137	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/13/75-11/11/75	0	11	
PORE0071	Yes	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	02/17/54-02/17/54	0	1	
PORE0108	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	02/17/54-02/17/54	0	1	
PORE0174	Yes	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	02/17/54-02/17/54	0	1	
PORE0215	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	02/18/54-02/18/54	0	1	
PORE0071	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/54-02/17/54	0	1	
PORE0120	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/13/75-11/11/75	0	3	
PORE0128	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/13/75-11/11/75	0	3	
PORE0137	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/13/75-11/11/75	0	3	
PORE0078	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0090	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0104	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0109	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0116	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0120	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/75-11/11/75	0	11	
PORE0128	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/75-11/11/75	0	18	
PORE0134	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	0	3	
PORE0137	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/75-11/11/75	0	11	
PORE0151	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	0	3	
PORE0152	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	0	3	
PORE0156	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	4	
PORE0165	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	0	3	
PORE0167	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	0	3	
PORE0182	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	4	
PORE0183	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	0	3	
PORE0185	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0188	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/79-01/11/79	0	1	
PORE0198	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0201	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0213	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/06/62-04/06/62	0	1	
PORE0216	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0219	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	1	5	
PORE0220	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	0	3	
PORE0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/86-01/31/86	0	1	
PORE0002	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/86-06/01/88	1	5	
PORE0003	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/23/88-06/01/88	0	2	
PORE0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/30/86-06/10/87	1	4	
PORE0020	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/07/54-01/07/54	0	1	
PORE0029	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/72-08/08/72	0	1	
PORE0065	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	01/07/54-01/07/54	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0071	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/77-08/10/77	0	1	
PORE0083	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-09/29/88	0	17	
PORE0094	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/19/87-10/19/87	0	1	
PORE0108	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/17/54-02/17/54	0	1	
PORE0110	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/17/54-02/17/54	0	1	
PORE0124	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-09/29/88	0	15	
PORE0130	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-10/29/87	0	2	
PORE0131	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/77-08/10/77	0	1	
PORE0135	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/72-08/08/72	0	1	
PORE0141	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-10/29/87	0	2	
PORE0142	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/08/54-01/08/54	0	1	
PORE0147	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/17/87-09/29/88	0	13	
PORE0153	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-12/08/87	0	9	
PORE0164	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-09/29/88	0	19	
PORE0172	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-10/19/87	0	2	
PORE0174	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/17/54-02/17/54	0	1	
PORE0192	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/19/87-09/29/88	0	14	
PORE0213	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/58-04/06/62	3	6	
PORE0215	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/18/54-02/18/54	0	1	
PORE0143	Yes	00295	OXYGEN, DISSOLVED ML/L	07/15/60-07/15/60	0	2	
PORE0149	Yes	00295	OXYGEN, DISSOLVED ML/L	07/15/60-07/15/60	0	4	
PORE0157	Yes	00295	OXYGEN, DISSOLVED ML/L	07/13/60-07/13/60	0	4	
PORE0168	Yes	00295	OXYGEN, DISSOLVED ML/L	07/13/60-07/13/60	0	4	
PORE0169	Yes	00295	OXYGEN, DISSOLVED ML/L	07/31/60-07/31/60	0	4	
PORE0178	Yes	00295	OXYGEN, DISSOLVED ML/L	07/09/60-07/09/60	0	2	
PORE0179	Yes	00295	OXYGEN, DISSOLVED ML/L	07/09/60-07/09/60	0	4	
PORE0189	Yes	00295	OXYGEN, DISSOLVED ML/L	07/07/60-07/07/60	0	3	
PORE0190	Yes	00295	OXYGEN, DISSOLVED ML/L	07/29/60-07/29/60	0	4	
PORE0194	Yes	00295	OXYGEN, DISSOLVED ML/L	07/05/60-07/05/60	0	4	
PORE0195	Yes	00295	OXYGEN, DISSOLVED ML/L	07/12/60-07/12/60	0	4	
PORE0196	Yes	00295	OXYGEN, DISSOLVED ML/L	07/17/60-07/17/60	0	4	
PORE0197	Yes	00295	OXYGEN, DISSOLVED ML/L	07/21/60-07/21/60	0	4	
PORE0199	Yes	00295	OXYGEN, DISSOLVED ML/L	07/01/60-07/01/60	0	4	
PORE0202	No	00295	OXYGEN, DISSOLVED ML/L	07/21/60-07/21/60	0	4	
PORE0204	No	00295	OXYGEN, DISSOLVED ML/L	12/03/60-02/04/61	0	9	
PORE0206	Yes	00295	OXYGEN, DISSOLVED ML/L	06/26/60-06/26/60	0	4	
PORE0208	No	00295	OXYGEN, DISSOLVED ML/L	07/25/60-07/25/60	0	4	
PORE0209	Yes	00295	OXYGEN, DISSOLVED ML/L	07/19/60-07/19/60	0	4	
PORE0210	No	00295	OXYGEN, DISSOLVED ML/L	07/25/60-07/25/60	0	4	
PORE0212	Yes	00295	OXYGEN, DISSOLVED ML/L	08/02/60-08/02/60	0	4	
PORE0214	No	00295	OXYGEN, DISSOLVED ML/L	07/23/60-07/23/60	0	4	
PORE0036	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/83-11/06/84	1	51	
PORE0038	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0039	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0040	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0041	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0042	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	0	6	
PORE0043	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	0	6	
PORE0044	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	0	6	
PORE0045	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	0	6	
PORE0046	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	0	6	
PORE0047	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	0	6	
PORE0048	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0049	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0050	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0052	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/83-10/17/83	0	24	
PORE0058	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/83-11/06/84	1	50	
PORE0060	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0061	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0062	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0063	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0066	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	0	6	
PORE0067	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	0	6	
PORE0068	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/10/91	0	4	
PORE0073	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0074	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0075	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	0	4	
PORE0114	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/84-11/06/84	0	26	
PORE0001	No	00300	OXYGEN, DISSOLVED MG/L	01/31/86-01/31/86	0	1	
PORE0002	No	00300	OXYGEN, DISSOLVED MG/L	06/27/86-06/01/88	1	5	
PORE0003	No	00300	OXYGEN, DISSOLVED MG/L	03/23/88-06/01/88	0	2	
PORE0004	No	00300	OXYGEN, DISSOLVED MG/L	01/30/86-06/10/87	1	4	
PORE0032	Yes	00300	OXYGEN, DISSOLVED MG/L	09/06/78-09/06/78	0	1	
PORE0035	Yes	00300	OXYGEN, DISSOLVED MG/L	09/06/78-09/06/78	0	1	
PORE0037	Yes	00300	OXYGEN, DISSOLVED MG/L	09/06/78-09/06/78	0	1	
PORE0051	Yes	00300	OXYGEN, DISSOLVED MG/L	09/06/78-09/06/78	0	1	
PORE0070	Yes	00300	OXYGEN, DISSOLVED MG/L	09/06/78-09/06/78	0	1	
PORE0076	Yes	00300	OXYGEN, DISSOLVED MG/L	08/10/77-08/10/77	0	1	
PORE0078	Yes	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0090	Yes	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0104	No	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0109	No	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0116	No	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0120	No	00300	OXYGEN, DISSOLVED MG/L	03/13/75-11/11/75	0	11	
PORE0128	No	00300	OXYGEN, DISSOLVED MG/L	03/13/75-11/11/75	0	18	
PORE0131	No	00300	OXYGEN, DISSOLVED MG/L	08/10/77-08/10/77	0	1	
PORE0134	Yes	00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	0	3	
PORE0137	No	00300	OXYGEN, DISSOLVED MG/L	03/13/75-11/11/75	0	11	
PORE0151	No	00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	0	3	
PORE0152	No	00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	0	3	
PORE0156	Yes	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	4	
PORE0165	No	00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	0	3	
PORE0167	Yes	00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	0	3	
PORE0182	No	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	4	
PORE0183	No	00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	0	3	
PORE0185	No	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0188	No	00300	OXYGEN, DISSOLVED MG/L	01/11/79-01/11/79	0	1	
PORE0198	Yes	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0201	No	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0213	No	00300	OXYGEN, DISSOLVED MG/L	05/15/59-04/06/62	2	4	
PORE0216	No	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0219	No	00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	1	5	
PORE0220	No	00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	0	3	
PORE0002	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/86-06/01/88	2	6	
PORE0004	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/30/86-06/01/88	2	6	
PORE0032	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/06/78-09/06/78	0	1	
PORE0035	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/06/78-09/06/78	0	1	
PORE0037	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/06/78-09/06/78	0	1	
PORE0051	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/06/78-09/06/78	0	1	
PORE0070	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/06/78-09/06/78	0	1	
PORE0032	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/06/78-09/06/78	0	1	
PORE0035	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/06/78-09/06/78	0	1	
PORE0037	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/06/78-09/06/78	0	1	
PORE0051	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/06/78-09/06/78	0	1	
PORE0070	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/06/78-09/06/78	0	1	
PORE0001	No	00400	PH (STANDARD UNITS)	01/31/86-01/31/86	0	1	
PORE0002	No	00400	PH (STANDARD UNITS)	06/27/86-06/01/88	1	5	
PORE0003	No	00400	PH (STANDARD UNITS)	03/23/88-06/01/88	0	2	
PORE0004	No	00400	PH (STANDARD UNITS)	01/30/86-06/10/87	1	4	
PORE0020	No	00400	PH (STANDARD UNITS)	01/17/54-01/17/54	0	1	
PORE0029	No	00400	PH (STANDARD UNITS)	08/08/72-08/08/72	0	1	
PORE0031	Yes	00400	PH (STANDARD UNITS)	03/10/98-03/10/98	0	1	
PORE0076	Yes	00400	PH (STANDARD UNITS)	08/10/77-08/10/77	0	1	
PORE0078	Yes	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0090	Yes	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0104	No	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0109	No	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0110	No	00400	PH (STANDARD UNITS)	02/17/54-02/17/54	0	1	
PORE0116	No	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0120	No	00400	PH (STANDARD UNITS)	03/13/75-11/11/75	0	11	
PORE0128	No	00400	PH (STANDARD UNITS)	03/13/75-11/11/75	0	18	
PORE0131	No	00400	PH (STANDARD UNITS)	08/10/77-08/10/77	0	1	
PORE0134	Yes	00400	PH (STANDARD UNITS)	01/09/79-01/11/79	0	3	
PORE0135	No	00400	PH (STANDARD UNITS)	08/08/72-08/08/72	0	1	
PORE0137	No	00400	PH (STANDARD UNITS)	03/13/75-11/11/75	0	11	
PORE0151	No	00400	PH (STANDARD UNITS)	01/09/79-01/11/79	0	3	
PORE0152	No	00400	PH (STANDARD UNITS)	01/09/79-01/11/79	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0156	Yes	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	4	
PORE0165	No	00400	PH (STANDARD UNITS)	01/09/79-01/11/79	0	3	
PORE0167	Yes	00400	PH (STANDARD UNITS)	01/09/79-01/11/79	0	3	
PORE0182	No	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	4	
PORE0183	No	00400	PH (STANDARD UNITS)	01/09/79-01/11/79	0	3	
PORE0185	No	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0188	No	00400	PH (STANDARD UNITS)	01/11/79-01/11/79	0	1	
PORE0191	Yes	00400	PH (STANDARD UNITS)	09/28/54-09/28/54	0	1	
PORE0198	Yes	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0201	No	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0213	No	00400	PH (STANDARD UNITS)	09/16/59-04/06/62	2	3	
PORE0216	No	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0219	No	00400	PH (STANDARD UNITS)	02/23/77-01/11/79	1	5	
PORE0220	No	00400	PH (STANDARD UNITS)	01/09/79-01/11/79	0	3	
PORE0001	No	00403	PH, LAB, STANDARD UNITS SU	01/31/86-01/31/86	0	1	
PORE0002	No	00403	PH, LAB, STANDARD UNITS SU	03/23/88-06/01/88	0	2	
PORE0003	No	00403	PH, LAB, STANDARD UNITS SU	03/23/88-06/01/88	0	2	
PORE0023	Yes	00403	PH, LAB, STANDARD UNITS SU	01/07/54-01/07/54	0	1	
PORE0065	Yes	00403	PH, LAB, STANDARD UNITS SU	01/07/54-01/07/54	0	1	
PORE0071	Yes	00403	PH, LAB, STANDARD UNITS SU	02/17/54-02/17/54	0	1	
PORE0108	No	00403	PH, LAB, STANDARD UNITS SU	02/17/54-02/17/54	0	1	
PORE0142	Yes	00403	PH, LAB, STANDARD UNITS SU	01/08/54-01/08/54	0	1	
PORE0174	Yes	00403	PH, LAB, STANDARD UNITS SU	02/17/54-02/17/54	0	1	
PORE0213	No	00403	PH, LAB, STANDARD UNITS SU	09/02/58-04/06/62	3	6	
PORE0215	No	00403	PH, LAB, STANDARD UNITS SU	02/18/54-02/18/54	0	1	
PORE0032	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/78-09/06/78	0	1	
PORE0051	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/78-09/06/78	0	1	
PORE0076	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/10/77-08/10/77	0	1	
PORE0131	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/10/77-08/10/77	0	1	
PORE0032	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/06/78-09/06/78	0	1	
PORE0035	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/06/78-09/06/78	0	1	
PORE0037	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/06/78-09/06/78	0	1	
PORE0051	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/06/78-09/06/78	0	1	
PORE0070	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/06/78-09/06/78	0	1	
PORE0001	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
PORE0002	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/27/86-06/01/88	1	5	
PORE0003	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/23/88-06/01/88	0	2	
PORE0004	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/30/86-06/10/87	1	4	
PORE0029	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/72-08/08/72	0	1	
PORE0032	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0051	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0076	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	0	1	
PORE0120	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/75-11/11/75	0	11	
PORE0128	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/75-11/11/75	0	18	
PORE0131	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	0	1	
PORE0135	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/72-08/08/72	0	1	
PORE0137	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/75-11/11/75	0	11	
PORE0213	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/07/62-04/06/62	0	2	
PORE0032	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/06/78-09/06/78	0	1	
PORE0051	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/06/78-09/06/78	0	1	
PORE0002	No	00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/23/88-06/01/88	0	2	
PORE0003	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	03/23/88-06/01/88	0	2	
PORE0002	No	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/31/86-06/10/87	1	4	
PORE0004	No	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/30/86-06/10/87	1	4	
PORE0020	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/17/54-01/17/54	0	1	
PORE0029	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/08/72-08/08/72	0	1	
PORE0069	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/10/77-08/10/77	0	1	
PORE0110	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/17/54-02/17/54	0	1	
PORE0131	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/10/77-08/10/77	0	1	
PORE0135	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/08/72-08/08/72	0	1	
PORE0173	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	02/17/54-02/17/54	0	1	
PORE0020	No	00445	CARBONATE ION (MG/L AS CO3)	01/17/54-01/17/54	0	1	

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Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0029	No	00445	CARBONATE ION (MG/L AS CO3)	08/08/72-08/08/72	0	1	
PORE0069	Yes	00445	CARBONATE ION (MG/L AS CO3)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/10/77-08/10/77	0	1	
PORE0110	No	00445	CARBONATE ION (MG/L AS CO3)	02/17/54-02/17/54	0	1	
PORE0131	No	00445	CARBONATE ION (MG/L AS CO3)	08/10/77-08/10/77	0	1	
PORE0135	No	00445	CARBONATE ION (MG/L AS CO3)	08/08/72-08/08/72	0	1	
PORE0173	Yes	00445	CARBONATE ION (MG/L AS CO3)	02/17/54-02/17/54	0	1	
PORE0003	No	00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	03/23/88-06/01/88	0	2	
PORE0004	No	00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	06/27/86-06/27/86	0	1	
PORE0002	No	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/31/86-06/01/88	2	6	
PORE0003	No	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	03/23/88-06/01/88	0	2	
PORE0004	No	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/30/86-06/10/87	1	4	
PORE0072	Yes	00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	8	62	T
PORE0085	Yes	00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	8	104	T,A
PORE0088	Yes	00480	SALINITY - PARTS PER THOUSAND	03/10/94-10/27/98	4	44	
PORE0092	Yes	00480	SALINITY - PARTS PER THOUSAND	02/09/93-10/27/98	5	17	
PORE0093	Yes	00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	8	64	T
PORE0095	Yes	00480	SALINITY - PARTS PER THOUSAND	01/16/96-02/24/98	2	22	
PORE0096	Yes	00480	SALINITY - PARTS PER THOUSAND	01/16/96-12/08/98	2	30	
PORE0097	Yes	00480	SALINITY - PARTS PER THOUSAND	02/24/98-02/24/98	0	1	
PORE0098	Yes	00480	SALINITY - PARTS PER THOUSAND	02/24/98-02/24/98	0	1	
PORE0099	Yes	00480	SALINITY - PARTS PER THOUSAND	03/10/94-12/08/98	4	77	A
PORE0102	Yes	00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	8	65	T
PORE0107	Yes	00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	8	102	T,A
PORE0111	Yes	00480	SALINITY - PARTS PER THOUSAND	07/26/95-12/08/98	3	45	
PORE0112	Yes	00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	8	73	T
PORE0117	Yes	00480	SALINITY - PARTS PER THOUSAND	01/09/92-10/27/98	6	19	
PORE0121	Yes	00480	SALINITY - PARTS PER THOUSAND	03/22/94-02/10/98	3	7	
PORE0122	Yes	00480	SALINITY - PARTS PER THOUSAND	01/09/92-10/27/98	6	18	
PORE0126	Yes	00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	8	65	T
PORE0129	Yes	00480	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	7	100	A
PORE0132	Yes	00480	SALINITY - PARTS PER THOUSAND	03/22/94-02/10/98	3	6	
PORE0133	Yes	00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	8	104	T,A
PORE0136	Yes	00480	SALINITY - PARTS PER THOUSAND	11/07/94-10/27/98	3	5	
PORE0138	Yes	00480	SALINITY - PARTS PER THOUSAND	10/29/91-10/27/98	6	20	
PORE0143	Yes	00480	SALINITY - PARTS PER THOUSAND	07/15/60-07/15/60	0	2	
PORE0144	Yes	00480	SALINITY - PARTS PER THOUSAND	10/29/91-02/10/98	6	22	
PORE0148	Yes	00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	0	1	
PORE0149	Yes	00480	SALINITY - PARTS PER THOUSAND	07/15/60-07/15/60	0	4	
PORE0154	Yes	00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	0	2	
PORE0157	Yes	00480	SALINITY - PARTS PER THOUSAND	07/13/60-07/13/60	0	4	
PORE0168	Yes	00480	SALINITY - PARTS PER THOUSAND	07/13/60-07/13/60	0	4	
PORE0169	Yes	00480	SALINITY - PARTS PER THOUSAND	07/31/60-07/31/60	0	4	
PORE0176	Yes	00480	SALINITY - PARTS PER THOUSAND	07/10/60-07/10/60	0	4	
PORE0177	Yes	00480	SALINITY - PARTS PER THOUSAND	01/21/61-02/05/61	0	16	
PORE0178	Yes	00480	SALINITY - PARTS PER THOUSAND	07/09/60-07/09/60	0	4	
PORE0179	Yes	00480	SALINITY - PARTS PER THOUSAND	07/09/60-07/09/60	0	4	
PORE0180	Yes	00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	0	2	
PORE0189	Yes	00480	SALINITY - PARTS PER THOUSAND	07/07/60-07/07/60	0	4	
PORE0190	Yes	00480	SALINITY - PARTS PER THOUSAND	07/29/60-07/29/60	0	4	
PORE0193	Yes	00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	0	2	
PORE0194	Yes	00480	SALINITY - PARTS PER THOUSAND	07/05/60-07/05/60	0	4	
PORE0195	Yes	00480	SALINITY - PARTS PER THOUSAND	07/12/60-07/12/60	0	4	
PORE0196	Yes	00480	SALINITY - PARTS PER THOUSAND	07/17/60-07/17/60	0	4	
PORE0197	Yes	00480	SALINITY - PARTS PER THOUSAND	07/21/60-07/21/60	0	4	
PORE0199	Yes	00480	SALINITY - PARTS PER THOUSAND	07/01/60-07/01/60	0	4	
PORE0200	No	00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	0	2	
PORE0202	No	00480	SALINITY - PARTS PER THOUSAND	07/21/60-07/21/60	0	4	
PORE0204	No	00480	SALINITY - PARTS PER THOUSAND	12/03/60-02/04/61	0	13	
PORE0206	Yes	00480	SALINITY - PARTS PER THOUSAND	06/26/60-06/26/60	0	4	
PORE0207	Yes	00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	0	2	
PORE0208	No	00480	SALINITY - PARTS PER THOUSAND	07/25/60-07/25/60	0	4	
PORE0209	Yes	00480	SALINITY - PARTS PER THOUSAND	07/19/60-07/19/60	0	4	
PORE0210	No	00480	SALINITY - PARTS PER THOUSAND	07/25/60-07/25/60	0	4	
PORE0211	Yes	00480	SALINITY - PARTS PER THOUSAND	06/27/60-06/27/60	0	4	
PORE0212	Yes	00480	SALINITY - PARTS PER THOUSAND	08/02/60-08/02/60	0	4	
PORE0214	No	00480	SALINITY - PARTS PER THOUSAND	07/23/60-07/23/60	0	4	
PORE0217	No	00480	SALINITY - PARTS PER THOUSAND	06/27/60-06/27/60	0	4	
PORE0221	No	00480	SALINITY - PARTS PER THOUSAND	01/21/61-02/04/61	0	2	
PORE0032	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/06/78-09/06/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0051	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/06/78-09/06/78	0	1	
PORE0083	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-09/29/88	0	17	
PORE0094	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/19/87-10/19/87	0	1	
PORE0124	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-09/29/88	0	16	
PORE0130	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-10/29/87	0	2	
PORE0141	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-11/02/87	0	3	
PORE0147	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/20/87-09/29/88	0	11	
PORE0153	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-10/06/87	0	1	
PORE0164	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-09/29/88	0	20	
PORE0172	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-10/19/87	0	2	
PORE0192	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/19/87-09/29/88	0	15	
PORE0083	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-06/09/88	0	14	
PORE0094	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0124	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-06/09/88	0	14	
PORE0130	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-10/29/87	0	2	
PORE0141	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-10/29/87	0	2	
PORE0147	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	11/20/87-06/09/88	0	10	
PORE0153	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0164	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-06/09/88	0	17	
PORE0172	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0192	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/19/87-06/09/88	0	12	
PORE0083	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-06/09/88	0	15	
PORE0094	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0124	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-06/09/88	0	14	
PORE0130	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-10/29/87	0	2	
PORE0141	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-11/02/87	0	3	
PORE0147	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	11/20/87-06/09/88	0	10	
PORE0153	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-10/06/87	0	1	
PORE0164	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-06/09/88	0	18	
PORE0172	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-10/19/87	0	2	
PORE0192	Yes	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/19/87-06/09/88	0	13	
PORE0083	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	0	15	
PORE0094	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0124	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	0	15	
PORE0130	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-10/29/87	0	2	
PORE0141	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-10/29/87	0	2	
PORE0147	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	11/20/87-06/09/88	0	10	
PORE0153	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0164	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	0	18	
PORE0172	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0192	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/87-06/09/88	0	13	
PORE0083	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	0	15	
PORE0094	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0124	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	0	15	
PORE0130	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-10/29/87	0	2	
PORE0141	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-10/29/87	0	2	
PORE0147	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/20/87-06/09/88	0	10	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0153	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0164	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	0	18	
PORE0172	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0192	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/19/87-06/09/88	0	13	
PORE0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-06/02/98	4	38	
PORE0006	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-06/02/98	4	31	
PORE0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	12	169	T,A,S
PORE0008	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	12	149	T,A,S
PORE0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	12	171	T,A,S
PORE0010	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	12	173	T,A,S
PORE0011	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	12	165	T,A,S
PORE0012	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	11	162	T,A,S
PORE0014	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	12	151	T,A,S
PORE0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/10/98-02/10/98	0	1	
PORE0030	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	0	1	
PORE0031	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-03/10/98	0	2	
PORE0032	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0034	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	0	1	
PORE0035	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0051	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0078	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0079	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	0	1	
PORE0090	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0091	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	0	1	
PORE0104	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0106	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/16/74-10/18/75	0	15	
PORE0109	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0113	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/07/74-07/12/75	0	12	
PORE0116	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0120	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/13/75-11/11/75	0	11	
PORE0125	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/16/74-10/18/75	0	16	
PORE0128	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/13/75-11/11/75	0	18	
PORE0134	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0137	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/13/75-11/11/75	0	11	
PORE0140	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	0	1	
PORE0151	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0152	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0156	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0163	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	0	1	
PORE0165	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0167	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0171	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	0	1	
PORE0175	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	0	1	
PORE0182	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0183	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0185	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0188	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/11/79-01/11/79	0	1	
PORE0198	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0201	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0216	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0219	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0220	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	0	3	
PORE0031	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	03/10/98-03/10/98	0	1	
PORE0005	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	9	
PORE0006	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	9	
PORE0007	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	9	
PORE0008	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	9	
PORE0009	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	9	
PORE0010	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	9	
PORE0011	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	9	
PORE0012	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	9	
PORE0014	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	3	8	
PORE0016	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/10/98-02/10/98	0	1	
PORE0032	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0051	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0029	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/08/72-08/08/72	0	1	
PORE0135	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/08/72-08/08/72	0	1	
PORE0005	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/94-06/02/98	3	3	
PORE0006	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/10/98-06/02/98	0	2	
PORE0007	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/94-06/02/98	3	3	
PORE0008	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/10/98-06/02/98	0	2	
PORE0009	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/94-06/02/98	3	3	
PORE0010	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/94-06/02/98	3	3	
PORE0011	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/94-06/02/98	3	3	
PORE0012	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/94-06/02/98	3	3	
PORE0014	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/94-06/02/98	3	2	
PORE0016	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/10/98-02/10/98	0	1	
PORE0032	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0051	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/06/78-09/06/78	0	1	
PORE0106	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/16/74-12/07/74	0	2	
PORE0113	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/07/74-12/07/74	0	1	
PORE0125	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/16/74-12/07/74	0	2	
PORE0106	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/74-10/18/75	0	15	
PORE0113	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/07/74-07/12/75	0	12	
PORE0120	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/75-11/11/75	0	11	
PORE0125	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/74-10/18/75	0	15	
PORE0128	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/75-11/11/75	0	18	
PORE0137	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/75-11/11/75	0	11	
PORE0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/01/94-06/02/98	4	27	
PORE0006	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/01/94-06/02/98	4	22	
PORE0007	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	12	155	T,A,S
PORE0008	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	12	138	T,A,S
PORE0009	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	12	160	T,A,S
PORE0010	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	12	161	T,A,S
PORE0011	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	12	154	T,A,S
PORE0012	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	11	161	T,A,S
PORE0014	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	12	156	T,A,S
PORE0016	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/10/98-02/10/98	0	1	
PORE0083	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-09/29/88	0	17	
PORE0094	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/19/87-10/19/87	0	1	
PORE0106	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/16/74-10/18/75	0	15	
PORE0113	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/07/74-07/12/75	0	12	
PORE0120	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/75-11/11/75	0	11	
PORE0124	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-09/29/88	0	16	
PORE0125	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/16/74-10/18/75	0	16	
PORE0128	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/75-11/11/75	0	18	
PORE0130	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-10/29/87	0	2	
PORE0137	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/75-11/11/75	0	11	
PORE0141	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-11/02/87	0	3	
PORE0147	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/17/87-09/29/88	0	13	
PORE0153	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-12/08/87	0	10	
PORE0164	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-09/29/88	0	20	
PORE0172	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-10/19/87	0	2	
PORE0192	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/19/87-09/29/88	0	15	
PORE0001	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/31/86-01/31/86	0	1	
PORE0002	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/27/86-06/01/88	1	5	
PORE0003	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/23/88-06/01/88	0	2	
PORE0004	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/30/86-06/10/87	1	4	
PORE0076	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/10/77-08/10/77	0	1	
PORE0131	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/10/77-08/10/77	0	1	
PORE0030	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0031	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0032	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0034	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0035	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/06/78-09/06/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0051	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0079	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0091	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0140	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0163	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0171	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0175	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	0	1	
PORE0032	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0051	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/06/78-09/06/78	0	1	
PORE0086	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-06/09/88	0	13	
PORE0106	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/16/74-10/18/75	0	15	
PORE0113	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/07/74-07/12/75	0	10	
PORE0120	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/75-11/11/75	0	10	
PORE0124	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-06/09/88	0	12	
PORE0125	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/16/74-10/18/75	0	15	
PORE0128	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/75-11/11/75	0	18	
PORE0130	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-10/29/87	0	1	
PORE0137	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/75-11/11/75	0	10	
PORE0141	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-11/02/87	0	2	
PORE0147	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/20/87-06/09/88	0	10	
PORE0158	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0164	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-06/09/88	0	16	
PORE0172	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/19/87-10/19/87	0	1	
PORE0192	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-06/09/88	0	12	
PORE0086	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-06/09/88	0	15	
PORE0094	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-10/19/87	0	1	
PORE0124	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-06/09/88	0	14	
PORE0130	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/87-10/29/87	0	1	
PORE0141	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/87-10/29/87	0	1	
PORE0147	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/20/87-06/09/88	0	10	
PORE0153	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-10/19/87	0	1	
PORE0164	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-06/09/88	0	16	
PORE0172	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-10/19/87	0	1	
PORE0192	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-06/09/88	0	13	
PORE0086	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-06/09/88	0	13	
PORE0124	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-06/09/88	0	12	
PORE0130	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-10/29/87	0	1	
PORE0141	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-10/29/87	0	1	
PORE0147	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	11/20/87-06/09/88	0	10	
PORE0158	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0164	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-06/09/88	0	15	
PORE0172	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/19/87-10/19/87	0	1	
PORE0192	Yes	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-06/09/88	0	11	
PORE0032	Yes	00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	09/06/78-09/06/78	0	1	
PORE0051	Yes	00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	09/06/78-09/06/78	0	1	
PORE0070	Yes	00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	09/06/78-09/06/78	0	1	
PORE0001	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/31/86-01/31/86	0	1	
PORE0002	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/27/86-06/01/88	1	5	
PORE0003	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/23/88-06/01/88	0	2	
PORE0004	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/30/86-06/10/87	1	4	
PORE0083	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-09/29/88	0	17	
PORE0094	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/19/87-10/19/87	0	1	
PORE0106	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/16/74-10/18/75	0	15	
PORE0113	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/07/74-07/12/75	0	12	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0120	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/13/75-11/11/75	0	11	
PORE0124	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-09/29/88	0	16	
PORE0125	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/16/74-10/18/75	0	16	
PORE0128	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/13/75-11/11/75	0	18	
PORE0130	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-10/29/87	0	2	
PORE0137	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/13/75-11/11/75	0	10	
PORE0141	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-11/02/87	0	3	
PORE0147	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/17/87-09/29/88	0	13	
PORE0153	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-12/08/87	0	10	
PORE0164	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-09/29/88	0	20	
PORE0172	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-10/19/87	0	2	
PORE0192	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/19/87-09/29/88	0	15	
PORE0086	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-06/09/88	0	15	
PORE0094	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-10/19/87	0	1	
PORE0124	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-06/09/88	0	14	
PORE0130	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/29/87-10/29/87	0	1	
PORE0141	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/29/87-10/29/87	0	1	
PORE0147	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	11/20/87-06/09/88	0	10	
PORE0153	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	0	1	
PORE0164	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-06/09/88	0	16	
PORE0172	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-10/19/87	0	1	
PORE0192	Yes	00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-06/09/88	0	13	
PORE0083	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-06/09/88	0	15	
PORE0094	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/19/87-10/19/87	0	1	
PORE0124	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-06/09/88	0	14	
PORE0130	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-10/29/87	0	2	
PORE0141	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-11/02/87	0	3	
PORE0147	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	11/20/87-06/09/88	0	10	
PORE0153	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-10/06/87	0	1	
PORE0164	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-06/09/88	0	18	
PORE0172	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-10/19/87	0	2	
PORE0192	Yes	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/19/87-06/09/88	0	13	
PORE0001	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
PORE0002	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/27/86-06/10/87	0	3	
PORE0004	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/30/86-06/10/87	1	4	
PORE0020	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/07/54-01/07/54	0	1	
PORE0029	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/72-08/08/72	0	1	
PORE0032	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0035	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0037	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0051	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0054	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/28/64-09/28/64	0	1	
PORE0065	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/07/54-01/07/54	0	1	
PORE0070	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/78-09/06/78	0	1	
PORE0071	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	0	1	
PORE0080	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/28/64-09/28/64	0	1	
PORE0084	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/28/64-09/28/64	0	1	
PORE0108	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/17/54-02/17/54	0	1	
PORE0110	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/17/54-02/17/54	0	1	
PORE0131	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	0	1	
PORE0135	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/72-08/08/72	0	1	
PORE0142	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/08/54-01/08/54	0	1	
PORE0174	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/17/54-02/17/54	0	1	
PORE0191	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/28/54-09/28/54	0	1	
PORE0213	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/15/59-04/06/62	2	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0215	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/18/54-02/18/54	0	1	
PORE0001	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
PORE0002	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/27/86-06/10/87	0	3	
PORE0004	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/30/86-06/10/87	1	4	
PORE0020	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/17/54-01/17/54	0	1	
PORE0069	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/10/77-08/10/77	0	1	
PORE0110	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/17/54-02/17/54	0	1	
PORE0131	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/10/77-08/10/77	0	1	
PORE0173	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/17/54-02/17/54	0	1	
PORE0001	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/31/86-01/31/86	0	1	
PORE0002	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/27/86-06/01/88	1	5	
PORE0003	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/23/88-06/01/88	0	2	
PORE0004	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/30/86-06/10/87	1	4	
PORE0020	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/07/54-01/07/54	0	1	
PORE0029	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/08/72-08/08/72	0	1	
PORE0065	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/07/54-01/07/54	0	1	
PORE0071	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/10/77-08/10/77	0	1	
PORE0108	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/17/54-02/17/54	0	1	
PORE0110	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/17/54-02/17/54	0	1	
PORE0131	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/10/77-08/10/77	0	1	
PORE0135	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/08/72-08/08/72	0	1	
PORE0142	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/08/54-01/08/54	0	1	
PORE0174	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/17/54-02/17/54	0	1	
PORE0213	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/58-04/06/62	3	6	
PORE0215	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/18/54-02/18/54	0	1	
PORE0001	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/31/86-01/31/86	0	1	
PORE0002	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/27/86-06/01/88	1	5	
PORE0003	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/23/88-06/01/88	0	2	
PORE0004	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/30/86-06/10/87	1	4	
PORE0020	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/07/54-01/07/54	0	1	
PORE0029	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/08/72-08/08/72	0	1	
PORE0065	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/07/54-01/07/54	0	1	
PORE0071	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/10/77-08/10/77	0	1	
PORE0108	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/17/54-02/17/54	0	1	
PORE0110	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/17/54-02/17/54	0	1	
PORE0131	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/10/77-08/10/77	0	1	
PORE0135	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/08/72-08/08/72	0	1	
PORE0142	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/08/54-01/08/54	0	1	
PORE0174	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/17/54-02/17/54	0	1	
PORE0213	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/15/59-04/06/62	2	4	
PORE0215	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/18/54-02/18/54	0	1	
PORE0001	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/31/86-01/31/86	0	1	
PORE0002	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/27/86-06/01/88	1	5	
PORE0003	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/23/88-06/01/88	0	2	
PORE0004	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/30/86-06/10/87	1	4	
PORE0020	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/07/54-01/07/54	0	1	
PORE0029	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/08/72-08/08/72	0	1	
PORE0065	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/07/54-01/07/54	0	1	
PORE0071	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/10/77-08/10/77	0	1	
PORE0108	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/17/54-02/17/54	0	1	
PORE0110	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/17/54-02/17/54	0	1	
PORE0131	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/10/77-08/10/77	0	1	
PORE0135	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/08/72-08/08/72	0	1	
PORE0142	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/08/54-01/08/54	0	1	
PORE0174	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/17/54-02/17/54	0	1	
PORE0213	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/15/59-04/06/62	2	4	
PORE0215	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/18/54-02/18/54	0	1	
PORE0001	No	00931	SODIUM ADSORPTION RATIO	01/31/86-01/31/86	0	1	
PORE0002	No	00931	SODIUM ADSORPTION RATIO	06/27/86-06/10/87	0	3	
PORE0004	No	00931	SODIUM ADSORPTION RATIO	01/30/86-06/10/87	1	4	
PORE0076	Yes	00931	SODIUM ADSORPTION RATIO	08/10/77-08/10/77	0	1	
PORE0131	No	00931	SODIUM ADSORPTION RATIO	08/10/77-08/10/77	0	1	
PORE0001	No	00932	SODIUM, PERCENT	01/31/86-01/31/86	0	1	
PORE0002	No	00932	SODIUM, PERCENT	06/27/86-06/10/87	0	3	
PORE0004	No	00932	SODIUM, PERCENT	01/30/86-06/10/87	1	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0020	No	00932	SODIUM, PERCENT	01/17/54-01/17/54	0	1	
PORE0069	Yes	00932	SODIUM, PERCENT	02/17/54-02/17/54	0	1	
PORE0076	Yes	00932	SODIUM, PERCENT	08/10/77-08/10/77	0	1	
PORE0110	No	00932	SODIUM, PERCENT	02/17/54-02/17/54	0	1	
PORE0131	No	00932	SODIUM, PERCENT	08/10/77-08/10/77	0	1	
PORE0173	Yes	00932	SODIUM, PERCENT	02/17/54-02/17/54	0	1	
PORE0001	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/31/86-01/31/86	0	1	
PORE0002	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/27/86-06/01/88	1	5	
PORE0003	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/23/88-06/01/88	0	2	
PORE0004	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/30/86-06/10/87	1	4	
PORE0020	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/07/54-01/07/54	0	1	
PORE0029	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/08/72-08/08/72	0	1	
PORE0065	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/07/54-01/07/54	0	1	
PORE0071	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/10/77-08/10/77	0	1	
PORE0108	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/17/54-02/17/54	0	1	
PORE0110	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/17/54-02/17/54	0	1	
PORE0131	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/10/77-08/10/77	0	1	
PORE0135	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/08/72-08/08/72	0	1	
PORE0142	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/08/54-01/08/54	0	1	
PORE0174	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/17/54-02/17/54	0	1	
PORE0213	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/15/59-02/07/62	2	3	
PORE0215	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/18/54-02/18/54	0	1	
PORE0001	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/86-01/31/86	0	1	
PORE0002	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/27/86-06/01/88	1	5	
PORE0003	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/23/88-06/01/88	0	2	
PORE0004	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/30/86-06/10/87	1	4	
PORE0076	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/77-08/10/77	0	1	
PORE0131	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/77-08/10/77	0	1	
PORE0020	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/17/54-01/17/54	0	1	
PORE0023	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/07/54-01/07/54	0	1	
PORE0029	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/08/72-08/08/72	0	1	
PORE0054	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/28/64-09/28/64	0	1	
PORE0065	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/07/54-01/07/54	0	1	
PORE0071	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/17/54-02/17/54	0	1	
PORE0080	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/28/64-09/28/64	0	1	
PORE0084	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/28/64-09/28/64	0	1	
PORE0108	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/17/54-02/17/54	0	1	
PORE0110	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/17/54-02/17/54	0	1	
PORE0135	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/08/72-08/08/72	0	1	
PORE0142	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/08/54-01/08/54	0	1	
PORE0174	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/17/54-02/17/54	0	1	
PORE0191	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/28/54-09/28/54	0	1	
PORE0213	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/58-04/06/62	3	6	
PORE0215	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/18/54-02/18/54	0	1	
PORE0001	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/86-01/31/86	0	1	
PORE0002	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/27/86-06/01/88	1	5	
PORE0003	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/23/88-06/01/88	0	2	
PORE0004	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/30/86-06/10/87	1	4	
PORE0076	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/77-08/10/77	0	1	
PORE0131	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/77-08/10/77	0	1	
PORE0020	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/07/54-01/07/54	0	1	
PORE0029	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/08/72-08/08/72	0	1	
PORE0054	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/28/64-09/28/64	0	1	
PORE0065	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/07/54-01/07/54	0	1	
PORE0071	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/17/54-02/17/54	0	1	
PORE0080	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/28/64-09/28/64	0	1	
PORE0084	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/28/64-09/28/64	0	1	
PORE0108	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/17/54-02/17/54	0	1	
PORE0110	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/17/54-02/17/54	0	1	
PORE0135	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/08/72-08/08/72	0	1	
PORE0142	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/08/54-01/08/54	0	1	
PORE0174	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/17/54-02/17/54	0	1	
PORE0191	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/28/54-09/28/54	0	1	
PORE0213	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/58-02/07/62	3	4	
PORE0215	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/18/54-02/18/54	0	1	
PORE0001	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/31/86-01/31/86	0	1	
PORE0002	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/27/86-06/01/88	1	5	
PORE0003	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/23/88-06/01/88	0	2	
PORE0004	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/30/86-06/10/87	1	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0020	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/07/54-01/07/54	0	1	
PORE0029	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/08/72-08/08/72	0	1	
PORE0065	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/07/54-01/07/54	0	1	
PORE0071	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/10/77-08/10/77	0	1	
PORE0108	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/17/54-02/17/54	0	1	
PORE0110	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/17/54-02/17/54	0	1	
PORE0131	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/10/77-08/10/77	0	1	
PORE0135	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/08/72-08/08/72	0	1	
PORE0142	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/08/54-01/08/54	0	1	
PORE0174	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/17/54-02/17/54	0	1	
PORE0213	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/58-02/07/62	3	4	
PORE0215	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/18/54-02/18/54	0	1	
PORE0001	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/31/86-01/31/86	0	1	
PORE0002	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/27/86-06/01/88	1	5	
PORE0003	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/23/88-06/01/88	0	2	
PORE0004	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/30/86-06/10/87	1	4	
PORE0020	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/17/54-01/17/54	0	1	
PORE0023	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/07/54-01/07/54	0	1	
PORE0029	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/08/72-08/08/72	0	1	
PORE0065	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/07/54-01/07/54	0	1	
PORE0071	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/17/54-02/17/54	0	1	
PORE0076	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/10/77-08/10/77	0	1	
PORE0083	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-10/06/87	0	1	
PORE0086	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-09/29/88	0	16	
PORE0094	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/19/87-10/19/87	0	1	
PORE0108	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/17/54-02/17/54	0	1	
PORE0110	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/17/54-02/17/54	0	1	
PORE0124	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-09/29/88	0	15	
PORE0130	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-10/06/87	0	1	
PORE0131	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/10/77-08/10/77	0	1	
PORE0135	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/08/72-08/08/72	0	1	
PORE0141	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-11/02/87	0	2	
PORE0142	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/08/54-01/08/54	0	1	
PORE0147	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/17/87-09/29/88	0	13	
PORE0153	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	0	1	
PORE0158	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	0	1	
PORE0159	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	0	2	
PORE0160	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	0	1	
PORE0161	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	0	1	
PORE0162	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-12/08/87	0	9	
PORE0164	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-09/29/88	0	19	
PORE0172	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-10/06/87	0	1	
PORE0174	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/17/54-02/17/54	0	1	
PORE0192	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/19/87-09/29/88	0	14	
PORE0213	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/58-02/07/62	3	5	
PORE0215	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/18/54-02/18/54	0	1	
PORE0001	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/86-01/31/86	0	1	
PORE0002	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/27/86-06/01/88	1	5	
PORE0003	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/23/88-06/01/88	0	2	
PORE0004	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/86-06/10/87	1	4	
PORE0001	No	01020	BORON, DISSOLVED (UG/L AS B)	01/31/86-01/31/86	0	1	
PORE0002	No	01020	BORON, DISSOLVED (UG/L AS B)	06/27/86-06/01/88	1	5	
PORE0003	No	01020	BORON, DISSOLVED (UG/L AS B)	03/23/88-06/01/88	0	2	
PORE0004	No	01020	BORON, DISSOLVED (UG/L AS B)	01/30/86-06/10/87	1	4	
PORE0020	No	01020	BORON, DISSOLVED (UG/L AS B)	01/17/54-01/17/54	0	1	
PORE0023	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/07/54-01/07/54	0	1	
PORE0029	No	01020	BORON, DISSOLVED (UG/L AS B)	08/08/72-08/08/72	0	1	
PORE0065	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/07/54-01/07/54	0	1	
PORE0071	Yes	01020	BORON, DISSOLVED (UG/L AS B)	02/17/54-02/17/54	0	1	
PORE0076	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/10/77-08/10/77	0	1	
PORE0108	No	01020	BORON, DISSOLVED (UG/L AS B)	02/17/54-02/17/54	0	1	
PORE0110	No	01020	BORON, DISSOLVED (UG/L AS B)	02/17/54-02/17/54	0	1	
PORE0131	No	01020	BORON, DISSOLVED (UG/L AS B)	08/10/77-08/10/77	0	1	
PORE0135	No	01020	BORON, DISSOLVED (UG/L AS B)	08/08/72-08/08/72	0	1	
PORE0142	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/08/54-01/08/54	0	1	
PORE0174	Yes	01020	BORON, DISSOLVED (UG/L AS B)	02/17/54-02/17/54	0	1	
PORE0213	No	01020	BORON, DISSOLVED (UG/L AS B)	09/02/58-04/06/62	3	6	
PORE0215	No	01020	BORON, DISSOLVED (UG/L AS B)	02/18/54-02/18/54	0	1	
PORE0001	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/86-01/31/86	0	1	
PORE0002	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/27/86-06/01/88	1	5	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0003	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/23/88-06/01/88	0	2	
PORE0004	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/86-06/10/87	1	4	
PORE0001	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/86-01/31/86	0	1	
PORE0002	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/27/86-06/01/88	1	5	
PORE0003	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/88-06/01/88	0	2	
PORE0004	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/86-06/10/87	1	4	
PORE0001	No	01042	COPPER, TOTAL (UG/L AS CU)	01/31/86-01/31/86	0	1	
PORE0002	No	01042	COPPER, TOTAL (UG/L AS CU)	06/27/86-06/01/88	1	5	
PORE0003	No	01042	COPPER, TOTAL (UG/L AS CU)	03/23/88-06/01/88	0	2	
PORE0004	No	01042	COPPER, TOTAL (UG/L AS CU)	01/30/86-06/10/87	1	4	
PORE0054	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/28/64-09/28/64	0	1	
PORE0080	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/28/64-09/28/64	0	1	
PORE0084	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/28/64-09/28/64	0	1	
PORE0191	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/28/54-09/28/54	0	1	
PORE0001	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/31/86-01/31/86	0	1	
PORE0002	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/27/86-06/01/88	1	5	
PORE0003	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/23/88-06/01/88	0	2	
PORE0004	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/30/86-06/10/87	1	4	
PORE0029	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/08/72-08/08/72	0	1	
PORE0076	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/10/77-08/10/77	0	1	
PORE0131	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/10/77-08/10/77	0	1	
PORE0135	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/08/72-08/08/72	0	1	
PORE0001	No	01051	LEAD, TOTAL (UG/L AS PB)	01/31/86-01/31/86	0	1	
PORE0002	No	01051	LEAD, TOTAL (UG/L AS PB)	06/27/86-06/01/88	1	5	
PORE0003	No	01051	LEAD, TOTAL (UG/L AS PB)	03/23/88-06/01/88	0	2	
PORE0004	No	01051	LEAD, TOTAL (UG/L AS PB)	01/30/86-06/10/87	1	4	
PORE0001	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/31/86-01/31/86	0	1	
PORE0002	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/27/86-06/01/88	1	5	
PORE0003	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/23/88-06/01/88	0	2	
PORE0004	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/86-06/10/87	1	4	
PORE0001	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/31/86-01/31/86	0	1	
PORE0002	No	01147	SELENIUM, TOTAL (UG/L AS SE)	03/23/88-06/01/88	0	2	
PORE0003	No	01147	SELENIUM, TOTAL (UG/L AS SE)	03/23/88-06/01/88	0	2	
PORE0086	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	10/19/87-09/29/88	0	15	
PORE0124	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	10/24/87-09/29/88	0	13	
PORE0141	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	10/06/87-10/06/87	0	1	
PORE0147	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	12/01/87-09/29/88	0	10	
PORE0164	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	10/06/87-09/29/88	0	18	
PORE0032	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/06/78-09/06/78	0	1	
PORE0035	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/06/78-09/06/78	0	1	
PORE0037	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/06/78-09/06/78	0	1	
PORE0051	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/06/78-09/06/78	0	1	
PORE0070	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/06/78-09/06/78	0	1	
PORE0005	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/01/94-06/02/98	4	24	
PORE0006	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/01/94-06/02/98	4	21	
PORE0007	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	26	129	T,A,S
PORE0008	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	26	108	T,A,S
PORE0009	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	24	129	T,A,S
PORE0010	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	26	131	T,A,S
PORE0011	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	24	119	T,A,S
PORE0012	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	24	131	T,A,S
PORE0013	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/04/93-06/02/98	5	19	
PORE0014	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	24	149	T,A,S
PORE0015	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/04/93-06/02/98	5	19	
PORE0016	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/04/93-06/02/98	5	19	
PORE0030	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	0	1	
PORE0031	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-03/10/98	0	2	
PORE0034	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	0	1	
PORE0072	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	86	T,A
PORE0078	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0079	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	0	1	
PORE0085	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	10	135	T,A,S
PORE0088	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/10/94-02/24/98	3	48	A
PORE0090	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0091	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	0	1	
PORE0092	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	6	23	
PORE0093	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	90	T,A
PORE0095	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/13/95-02/24/98	2	25	
PORE0096	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/16/96-12/08/98	2	34	
PORE0097	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/27/98-02/24/98	0	2	
PORE0098	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/27/98-02/24/98	0	2	
PORE0099	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	7	86	A

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0102	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	91	T,A
PORE0104	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0107	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	10	135	T,A,S
PORE0109	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0111	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/26/95-12/08/98	3	51	
PORE0112	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	99	T,A
PORE0116	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0117	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	6	25	
PORE0121	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/26/93-02/24/98	5	19	
PORE0122	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	6	24	
PORE0126	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	91	T,A
PORE0129	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	7	116	A
PORE0132	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/26/93-02/24/98	5	20	
PORE0133	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	10	134	T,A,S
PORE0134	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	0	3	
PORE0136	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	11/07/94-02/24/98	3	13	
PORE0138	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	6	33	
PORE0140	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	0	1	
PORE0144	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	6	34	
PORE0151	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	0	3	
PORE0152	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	0	3	
PORE0156	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	4	
PORE0163	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	0	1	
PORE0165	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	0	3	
PORE0167	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	0	3	
PORE0171	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	0	1	
PORE0175	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	0	1	
PORE0182	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	4	
PORE0183	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	0	2	
PORE0185	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0188	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/11/79-01/11/79	0	1	
PORE0198	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0201	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0216	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0219	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	1	5	
PORE0220	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	0	3	
PORE0078	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0090	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0104	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0109	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0116	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0156	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/23/77	0	1	
PORE0182	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/23/77	0	1	
PORE0185	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0198	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0201	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0216	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0219	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	0	2	
PORE0005	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/01/94-06/02/98	4	24	
PORE0006	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/01/94-06/02/98	4	21	
PORE0007	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	26	130	T,A,S
PORE0008	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	26	108	T,A,S
PORE0009	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	24	129	T,A,S
PORE0010	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	26	132	T,A,S
PORE0011	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	24	119	T,A,S
PORE0012	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	26	132	T,A,S
PORE0013	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	5	19	
PORE0014	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	24	149	T,A,S
PORE0015	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	5	18	
PORE0016	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	5	19	
PORE0078	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0090	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0104	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0109	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0116	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0156	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/23/77	0	1	
PORE0182	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/23/77	0	1	
PORE0185	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0198	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0201	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0216	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0219	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0031	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/98-03/10/98	0	1	
PORE0072	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	87	T,A,S
PORE0078	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0085	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	10	136	T,A,S
PORE0088	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	4	49	A
PORE0090	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0092	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	7	24	
PORE0093	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	91	T,A,S
PORE0095	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/13/95-02/24/98	2	25	
PORE0096	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/16/96-12/08/98	2	35	
PORE0097	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/27/98-02/24/98	0	2	
PORE0098	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/27/98-02/24/98	0	2	
PORE0099	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	7	87	A
PORE0102	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	92	T,A,S
PORE0104	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0107	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	10	136	T,A,S
PORE0109	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0111	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/26/95-12/08/98	3	52	
PORE0112	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	100	T,A,S
PORE0116	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0117	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	7	26	
PORE0121	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/93-02/24/98	5	19	
PORE0122	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	7	25	
PORE0126	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	92	T,A,S
PORE0129	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	7	117	A
PORE0132	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/93-02/24/98	5	20	
PORE0133	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	10	135	A,S
PORE0134	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	0	3	
PORE0136	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/07/94-10/27/98	3	14	
PORE0138	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	6	34	
PORE0144	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	6	34	
PORE0151	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	0	3	
PORE0152	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	0	3	
PORE0156	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	4	
PORE0165	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	0	3	
PORE0167	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	0	3	
PORE0182	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	4	
PORE0183	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	0	2	
PORE0185	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0188	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/11/79-01/11/79	0	1	
PORE0198	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0201	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0216	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0219	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	1	5	
PORE0220	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	0	3	
PORE0002	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/31/86-06/01/88	2	6	
PORE0003	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/23/88-06/01/88	0	2	
PORE0004	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/10/87	1	4	
PORE0002	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/01/88	2	6	
PORE0003	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/23/88-06/01/88	0	2	
PORE0004	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/10/87	1	4	
PORE0104	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	0	2	
PORE0109	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/24/77-02/24/77	0	1	
PORE0156	Yes	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/23/77	0	1	
PORE0198	Yes	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	0	2	
PORE0201	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	0	2	
PORE0216	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	0	2	
PORE0219	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	0	2	
PORE0104	No	31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0109	No	31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/24/77-02/24/77	0	1	
PORE0156	Yes	31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/23/77	0	1	
PORE0198	Yes	31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0201	No	31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0216	No	31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/24/77	0	2	
PORE0219	No	31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/23/77	0	1	
PORE0028	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/13/75-03/13/75	0	1	
PORE0028	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/13/75-03/13/75	0	1	
PORE0028	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/13/75-03/13/75	0	1	
PORE0028	No	32104	BROMOFORM,WHOLE WATER,UG/L	03/13/75-03/13/75	0	1	
PORE0028	No	32106	CHLOROFORM,WHOLE WATER,UG/L	03/13/75-03/13/75	0	1	
PORE0120	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	03/13/75-11/11/75	0	3	
PORE0128	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	03/13/75-11/11/75	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0137	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	03/13/75-11/11/75	0	3	
PORE0028	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	03/13/75-03/13/75	0	1	
PORE0001	No	39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/30/86-01/30/86	0	1	
PORE0023	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/07/54-01/07/54	0	1	
PORE0065	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/07/54-01/07/54	0	1	
PORE0071	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	02/17/54-02/17/54	0	1	
PORE0108	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	02/17/54-02/17/54	0	1	
PORE0142	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/08/54-01/08/54	0	1	
PORE0174	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	02/17/54-02/17/54	0	1	
PORE0213	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	09/02/58-02/07/62	3	5	
PORE0215	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	02/18/54-02/18/54	0	1	
PORE0001	No	39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
PORE0001	No	39055	SIMAZINE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39055	SIMAZINE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
PORE0001	No	39056	PROMETONE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39056	PROMETONE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
PORE0001	No	39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
PORE0002	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0002	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0002	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/27/86-06/27/86	0	1	
PORE0004	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/27/86-06/27/86	0	1	
PORE0002	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0002	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0002	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0002	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/27/86-06/27/86	0	1	
PORE0004	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/27/86-06/27/86	0	1	
PORE0002	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0002	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0001	No	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
PORE0002	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/27/86-06/27/86	0	1	
PORE0004	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/27/86-06/27/86	0	1	
PORE0002	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0002	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/27/86-06/27/86	0	1	
PORE0004	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/27/86-06/27/86	0	1	
PORE0002	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/27/86-06/27/86	0	1	
PORE0004	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/27/86-06/27/86	0	1	
PORE0002	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0001	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
PORE0001	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
PORE0001	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
PORE0001	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
PORE0001	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
PORE0002	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0002	No	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0004	No	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	0	1	
PORE0001	No	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
PORE0001	No	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
PORE0004	No	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
PORE0032	Yes	45634	HARDNESS, CALCIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0035	Yes	45634	HARDNESS, CALCIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0037	Yes	45634	HARDNESS, CALCIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0051	Yes	45634	HARDNESS, CALCIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0070	Yes	45634	HARDNESS, CALCIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0032	Yes	45635	HARDNESS, MAGNESIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0035	Yes	45635	HARDNESS, MAGNESIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0037	Yes	45635	HARDNESS, MAGNESIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0051	Yes	45635	HARDNESS, MAGNESIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0070	Yes	45635	HARDNESS, MAGNESIUM, AS CAC03, WATER, WHOLE, MG/L	09/06/78-09/06/78	0	1	
PORE0149	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/15/60-07/15/60	0	2	
PORE0157	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/13/60-07/13/60	0	2	
PORE0168	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/13/60-07/13/60	0	2	
PORE0169	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/31/60-07/31/60	0	2	
PORE0176	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/10/60-07/10/60	0	2	
PORE0178	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/09/60-07/09/60	0	2	
PORE0179	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/09/60-07/09/60	0	2	
PORE0189	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/07/60-07/07/60	0	2	
PORE0194	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/05/60-07/05/60	0	2	
PORE0195	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/12/60-07/12/60	0	2	
PORE0196	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/17/60-07/17/60	0	2	
PORE0197	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/21/60-07/21/60	0	2	
PORE0199	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/01/60-07/01/60	0	2	
PORE0202	No	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/21/60-07/21/60	0	2	
PORE0206	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/26/60-06/26/60	0	2	
PORE0208	No	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/25/60-07/25/60	0	2	
PORE0210	No	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/25/60-07/25/60	0	2	
PORE0212	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	08/02/60-08/02/60	0	2	
PORE0214	No	49701	TRANSPARENCY, SECCHI DISK, WATER FT	07/23/60-07/23/60	0	2	
PORE0217	No	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/27/60-06/27/60	0	2	
PORE0030	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	0	1	
PORE0031	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-03/10/98	0	2	
PORE0034	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	0	1	
PORE0079	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	0	1	
PORE0091	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	0	1	
PORE0140	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	0	1	
PORE0163	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	0	1	
PORE0171	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	0	1	
PORE0175	Yes	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	0	1	
PORE0030	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0031	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0034	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0079	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0091	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0140	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0163	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0171	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0175	Yes	50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	0	1	
PORE0030	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0031	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0034	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0079	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0091	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0140	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0163	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0171	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0175	Yes	61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	0	1	
PORE0072	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	2	5	
PORE0085	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	2	30	
PORE0088	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	2	12	
PORE0092	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	12/10/96-10/27/98	1	6	
PORE0093	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	2	8	
PORE0095	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	12/10/96-02/24/98	1	11	
PORE0096	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	12/10/96-12/08/98	1	22	
PORE0097	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	01/27/98-02/24/98	0	2	
PORE0098	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	01/27/98-02/24/98	0	2	
PORE0099	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	2	31	
PORE0102	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	2	9	
PORE0107	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	2	27	
PORE0111	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	2	28	
PORE0112	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	2	13	
PORE0117	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	2	7	
PORE0121	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-02/24/98	0	6	
PORE0122	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	2	6	
PORE0126	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	2	9	
PORE0129	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	2	32	
PORE0132	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-02/24/98	0	6	

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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]
PORE0133	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	2	34	
PORE0136	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-10/27/98	1	6	
PORE0138	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-10/27/98	1	7	
PORE0144	Yes	61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-02/24/98	0	6	
PORE0083	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-10/06/87	0	1	
PORE0086	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-09/29/88	0	17	
PORE0094	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/19/87-10/19/87	0	1	
PORE0124	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-09/29/88	0	16	
PORE0130	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-10/29/87	0	2	
PORE0141	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-11/02/87	0	3	
PORE0147	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	11/17/87-09/29/88	0	13	
PORE0153	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	0	1	
PORE0158	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	0	1	
PORE0159	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	0	2	
PORE0160	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	0	1	
PORE0161	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	0	1	
PORE0164	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-09/29/88	0	20	
PORE0172	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-10/19/87	0	2	
PORE0192	Yes	61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/19/87-09/29/88	0	15	
PORE0001	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/31/86-01/31/86	0	1	
PORE0002	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/27/86-06/01/88	1	5	
PORE0003	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/23/88-06/01/88	0	2	
PORE0004	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/30/86-06/10/87	1	4	
PORE0032	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/06/78-09/06/78	0	1	
PORE0035	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/06/78-09/06/78	0	1	
PORE0037	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/06/78-09/06/78	0	1	
PORE0051	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/06/78-09/06/78	0	1	
PORE0070	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/06/78-09/06/78	0	1	
PORE0001	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/31/86-01/31/86	0	1	
PORE0002	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/27/86-06/10/87	0	3	
PORE0004	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/30/86-06/10/87	1	4	
PORE0020	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/17/54-01/17/54	0	1	
PORE0029	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/08/72-08/08/72	0	1	
PORE0069	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/17/54-02/17/54	0	1	
PORE0076	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/10/77-08/10/77	0	1	
PORE0110	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/17/54-02/17/54	0	1	
PORE0131	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/10/77-08/10/77	0	1	
PORE0135	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/08/72-08/08/72	0	1	
PORE0173	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/17/54-02/17/54	0	1	
PORE0076	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/10/77-08/10/77	0	1	
PORE0131	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/10/77-08/10/77	0	1	
PORE0002	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/31/86-06/10/87	1	4	
PORE0004	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/30/86-06/10/87	1	4	
PORE0076	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/10/77-08/10/77	0	1	
PORE0131	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/10/77-08/10/77	0	1	
PORE0002	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/31/86-01/31/86	0	1	
PORE0019	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/29/68-01/27/69	0	3	
PORE0021	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/13/69-02/15/69	0	2	
PORE0024	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/29/68-01/13/69	0	2	
PORE0131	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/25/89-03/05/90	0	19	
PORE0203	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/13/71-01/25/72	1	2	
PORE0019	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/29/68-01/27/69	0	3	
PORE0021	Yes	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/13/69-02/15/69	0	2	
PORE0024	Yes	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/29/68-01/13/69	0	2	
PORE0131	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/13/90-02/16/90	0	2	
PORE0203	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/13/71-01/25/72	1	2	
PORE0019	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/29/68-01/27/69	0	3	
PORE0021	Yes	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/13/69-02/15/69	0	2	
PORE0024	Yes	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/29/68-01/13/69	0	2	
PORE0131	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/13/90-01/13/90	0	1	
PORE0203	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/13/71-01/25/72	1	2	
PORE0019	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/29/68-01/27/69	0	3	
PORE0021	Yes	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/13/69-02/15/69	0	2	
PORE0024	Yes	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/13/69-01/13/69	0	1	
PORE0131	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/13/90-01/13/90	0	1	
PORE0203	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/13/71-01/25/72	1	2	
PORE0019	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/27/69-01/27/69	0	1	
PORE0021	Yes	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/13/69-02/15/69	0	2	
PORE0024	Yes	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/13/69-01/13/69	0	1	
PORE0203	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/13/71-01/13/71	0	1	
PORE0203	No	70336	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 2.00MM	01/13/71-01/13/71	0	1	
PORE0019	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/29/68-01/24/70	1	14	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0021	Yes	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	12/28/68-02/15/69	0	2	
PORE0024	Yes	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/29/68-01/29/68	0	1	
PORE0203	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/29/70-01/25/72	1	9	
PORE0019	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/29/68-01/24/70	1	14	
PORE0021	Yes	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	12/28/68-02/15/69	0	2	
PORE0024	Yes	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/29/68-01/29/68	0	1	
PORE0203	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/29/70-01/25/72	1	9	
PORE0019	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/29/68-01/24/70	1	14	
PORE0021	Yes	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	12/28/68-02/15/69	0	2	
PORE0024	Yes	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/29/68-01/13/69	0	2	
PORE0203	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/29/70-01/25/72	1	9	
PORE0019	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/29/68-01/24/70	1	14	
PORE0021	Yes	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	12/28/68-02/15/69	0	2	
PORE0024	Yes	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/29/68-01/13/69	0	2	
PORE0203	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/29/70-01/25/72	1	9	
PORE0019	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/29/68-01/24/70	1	14	
PORE0021	Yes	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	12/28/68-02/15/69	0	2	
PORE0024	Yes	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/29/68-01/13/69	0	2	
PORE0203	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/29/70-01/25/72	1	9	
PORE0019	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	01/30/68-01/24/70	1	12	
PORE0021	Yes	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	12/28/68-12/28/68	0	1	
PORE0203	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/29/70-01/25/72	1	9	
PORE0019	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	01/30/68-01/24/70	1	12	
PORE0021	Yes	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	12/28/68-12/28/68	0	1	
PORE0203	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/29/70-01/25/72	1	9	
PORE0019	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	01/30/68-01/24/70	1	12	
PORE0021	Yes	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	12/28/68-12/28/68	0	1	
PORE0203	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/29/70-01/25/72	1	9	
PORE0019	No	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	01/30/68-01/24/70	1	10	
PORE0021	Yes	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	12/28/68-12/28/68	0	1	
PORE0203	No	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/29/70-01/25/72	1	9	
PORE0019	No	70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	01/13/69-01/21/70	1	3	
PORE0021	Yes	70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	12/28/68-12/28/68	0	1	
PORE0203	No	70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	11/29/70-12/08/70	0	7	
PORE0083	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-10/06/87	0	1	
PORE0086	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-09/29/88	0	17	
PORE0094	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/19/87-10/19/87	0	1	
PORE0124	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-09/29/88	0	16	
PORE0130	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-10/29/87	0	2	
PORE0141	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-11/02/87	0	3	
PORE0147	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/17/87-09/29/88	0	13	
PORE0153	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	0	1	
PORE0158	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	0	1	
PORE0159	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	0	2	
PORE0160	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	0	1	
PORE0161	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	0	1	
PORE0162	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-12/08/87	0	10	
PORE0164	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-09/29/88	0	20	
PORE0172	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-10/19/87	0	2	
PORE0192	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/19/87-09/29/88	0	15	
PORE0030	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0031	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0034	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0079	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0091	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0140	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0163	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0171	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0175	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	0	1	
PORE0020	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/17/54-01/17/54	0	1	
PORE0023	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/07/54-01/07/54	0	1	
PORE0065	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/07/54-01/07/54	0	1	
PORE0071	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/17/54-02/17/54	0	1	
PORE0108	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/17/54-02/17/54	0	1	
PORE0110	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/17/54-02/17/54	0	1	
PORE0142	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/08/54-01/08/54	0	1	
PORE0174	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/17/54-02/17/54	0	1	
PORE0213	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/02/58-02/07/62	3	5	
PORE0215	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/18/54-02/18/54	0	1	
PORE0030	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	
PORE0031	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	
PORE0034	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0079	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	
PORE0091	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	
PORE0140	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	
PORE0163	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	
PORE0171	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	
PORE0175	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	0	1	
PORE0083	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-10/06/87	0	1	
PORE0086	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-09/29/88	0	17	
PORE0094	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/19/87-10/19/87	0	1	
PORE0124	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-09/29/88	0	16	
PORE0130	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-10/29/87	0	2	
PORE0141	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-11/02/87	0	3	
PORE0147	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/17/87-09/29/88	0	13	
PORE0153	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	0	1	
PORE0158	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	0	1	
PORE0159	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	0	2	
PORE0160	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	0	1	
PORE0161	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	0	1	
PORE0162	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-12/08/87	0	7	
PORE0164	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-09/29/88	0	20	
PORE0172	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-10/19/87	0	2	
PORE0192	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/19/87-09/29/88	0	15	
PORE0001	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/31/86-01/31/86	0	1	
PORE0002	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/27/86-06/01/88	1	5	
PORE0003	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/23/88-06/01/88	0	2	
PORE0004	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/30/86-06/10/87	1	4	
PORE0120	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	03/13/75-11/11/75	0	3	
PORE0128	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	03/13/75-11/11/75	0	3	
PORE0137	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	03/13/75-11/11/75	0	3	
PORE0002	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/31/86-03/23/88	2	2	
PORE0003	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/23/88-03/23/88	0	2	
PORE0004	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/30/86-01/30/86	0	1	
PORE0019	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/29/68-01/24/70	1	15	
PORE0021	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/18/67-07/07/69	2	71	
PORE0024	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/18/67-07/07/69	2	81	
PORE0131	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/25/89-03/05/90	0	19	
PORE0203	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/12/70-05/02/72	1	26	
PORE0002	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/31/86-03/23/88	2	2	
PORE0003	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/23/88-03/23/88	0	1	
PORE0004	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/30/86-01/30/86	0	1	
PORE0019	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/29/68-01/24/70	1	15	
PORE0021	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/18/67-07/07/69	2	71	
PORE0024	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/18/67-07/07/69	2	81	
PORE0203	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/12/70-05/02/72	1	26	
PORE0019	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11/04/68-12/19/69	1	3	
PORE0021	Yes	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11/04/68-11/04/68	0	1	
PORE0024	Yes	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11/04/68-11/04/68	0	1	
PORE0131	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	08/07/90-08/07/90	0	5	
PORE0203	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11/12/70-05/02/72	1	5	
PORE0019	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11/04/68-11/04/68	0	1	
PORE0131	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	08/07/90-08/07/90	0	5	
PORE0203	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11/12/70-05/02/72	1	7	
PORE0019	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11/04/68-01/13/69	0	2	
PORE0131	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	08/07/90-08/07/90	0	5	
PORE0203	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11/12/70-05/02/72	1	9	
PORE0019	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11/04/68-01/13/69	0	2	
PORE0131	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	08/07/90-08/07/90	0	5	
PORE0203	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11/12/70-05/02/72	1	9	
PORE0019	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	11/04/68-01/13/69	0	2	
PORE0131	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	08/07/90-08/07/90	0	5	
PORE0203	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	11/12/70-05/02/72	1	8	
PORE0019	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	11/04/68-01/13/69	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0131	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	08/07/90-08/07/90	0	5	
PORE0203	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	11/12/70-05/02/72	1	7	
PORE0019	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	11/04/68-01/13/69	0	2	
PORE0131	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	08/07/90-08/07/90	0	4	
PORE0203	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	11/12/70-05/02/72	1	7	
PORE0019	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	11/04/68-01/13/69	0	2	
PORE0131	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/07/90-08/07/90	0	4	
PORE0203	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	11/12/70-05/02/72	1	7	
PORE0019	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	11/04/68-01/13/69	0	2	
PORE0131	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	08/07/90-08/07/90	0	4	
PORE0203	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	11/12/70-05/02/72	1	7	
PORE0019	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	11/04/68-12/19/69	1	4	
PORE0021	Yes	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	11/04/68-01/13/69	0	2	
PORE0024	Yes	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	11/04/68-01/13/69	0	2	
PORE0131	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	08/07/90-08/07/90	0	1	
PORE0203	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	11/12/70-05/02/72	1	7	
PORE0203	No	80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	11/12/70-05/02/72	1	5	
PORE0028	No	81280	NONPURGEABLE ORGANIC CARBON MG/L	03/13/75-03/13/75	0	1	
PORE0005	No	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	08/02/94-02/06/96	1	4	
PORE0006	Yes	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	02/07/95-02/06/96	0	3	
PORE0007	No	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	9	23	
PORE0008	Yes	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	9	20	
PORE0009	No	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	9	23	
PORE0010	No	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	9	23	
PORE0011	Yes	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	9	22	
PORE0012	No	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	02/18/87-02/06/96	8	23	
PORE0014	No	81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	9	23	
PORE0001	No	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/31/86-01/31/86	0	1	
PORE0004	No	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/30/86-01/30/86	0	1	
PORE0002	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/27/86-06/27/86	0	1	
PORE0004	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/27/86-06/27/86	0	1	
PORE0032	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/78-09/06/78	0	1	
PORE0035	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/78-09/06/78	0	1	
PORE0037	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/78-09/06/78	0	1	
PORE0051	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/78-09/06/78	0	1	
PORE0070	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/78-09/06/78	0	1	
PORE0001	No	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/31/86-01/31/86	0	1	
PORE0004	No	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/30/86-01/30/86	0	1	
PORE0001	No	82398	SAMPLING METHOD (CODES)	01/31/86-01/31/86	0	1	
PORE0003	No	82398	SAMPLING METHOD (CODES)	03/23/88-06/01/88	0	2	
PORE0001	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	01/31/86-01/31/86	0	1	
PORE0001	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	01/31/86-01/31/86	0	1	
PORE0148	Yes	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/05/61-02/05/61	0	1	
PORE0154	Yes	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/05/61-02/05/61	0	2	
PORE0177	Yes	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	01/21/61-02/05/61	0	16	
PORE0180	Yes	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/05/61-02/05/61	0	2	
PORE0193	Yes	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/05/61-02/05/61	0	2	
PORE0200	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/05/61-02/05/61	0	2	
PORE0204	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	12/03/60-02/04/61	0	13	
PORE0207	Yes	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/05/61-02/05/61	0	2	
PORE0221	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	01/21/61-02/04/61	0	2	
PORE0036	No	85334	TEMPERATURE-DEG F, MINIMUM WATER	07/06/83-11/06/84	1	48	
PORE0052	Yes	85334	TEMPERATURE-DEG F, MINIMUM WATER	07/06/83-10/17/83	0	23	
PORE0058	Yes	85334	TEMPERATURE-DEG F, MINIMUM WATER	07/06/83-11/06/84	1	52	
PORE0114	Yes	85334	TEMPERATURE-DEG F, MINIMUM WATER	07/09/84-10/31/84	0	27	
PORE0036	No	85335	TEMPERATURE- DEG F , MAXIMUM WATER	07/06/83-11/06/84	1	46	
PORE0052	Yes	85335	TEMPERATURE- DEG F , MAXIMUM WATER	07/06/83-10/17/83	0	23	
PORE0058	Yes	85335	TEMPERATURE- DEG F , MAXIMUM WATER	07/06/83-11/06/84	1	50	
PORE0114	Yes	85335	TEMPERATURE- DEG F , MAXIMUM WATER	07/09/84-10/31/84	0	27	
PORE0038	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0039	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0040	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0041	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0042	No	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	0	3	
PORE0043	No	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	0	3	
PORE0044	No	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PORE0045	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	0	3	
PORE0046	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	0	3	
PORE0047	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	0	3	
PORE0048	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0049	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0050	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0060	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0061	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0062	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0063	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0066	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	0	3	
PORE0067	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	0	3	
PORE0068	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/10/91	0	2	
PORE0073	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0074	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	
PORE0075	Yes	85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	0	4	

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

Station-By-Station Results

Station Inventory for Station: PORE0001

NPS Station ID: PORE0001
LAT/LON: 37.886949/-122.625281
Agency: 112WRD
Date Created: 06/20/87
Location: WEBB CREEK @ HWY 1 CALIF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 375313122373101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 3.70
On/Off RF1:
RF3 Index: 18050005018200.05
RF3 Mile Point: 0.05
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/86-01/31/86	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	01/31/86-01/31/86	1	745.	745.	745.	745.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/31/86-01/31/86	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/86-01/31/86	1	151.	151.	151.	151.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/31/86-01/31/86	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/31/86-01/31/86	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/31/86-01/31/86	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/86-01/31/86	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/31/86-01/31/86	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/31/86-01/31/86	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/86-01/31/86	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/31/86-01/31/86	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/31/86-01/31/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/31/86-01/31/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/31/86-01/31/86	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/31/86-01/31/86	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/31/86-01/31/86	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	01/31/86-01/31/86	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	01/31/86-01/31/86	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/31/86-01/31/86	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/86-01/31/86	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/86-01/31/86	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/31/86-01/31/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/86-01/31/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/31/86-01/31/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/86-01/31/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/86-01/31/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/31/86-01/31/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/31/86-01/31/86	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/31/86-01/31/86	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/31/86-01/31/86	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/31/86-01/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	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: PORE0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39056	PROMETONE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/31/86-01/31/86	1	82.	82.	82.	82.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/31/86-01/31/86	1	94.	94.	94.	94.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0002

NPS Station ID: PORE0002 | LAT/LON: 37.886949/-122.625281 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: WEBB CREEK NEAR STINSON BEACH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_USGS_WC /11460156
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS LOCATED AT WEBB CREEK; UPSTREAM OF HIGHWAY 1 CULVERT; 900 FEET UPSTREAM FROM MOUTH; AND 0.8 MILES SE OF STINSON BEACH. THIS SITE IS LOCATED OUTSIDE GOLDEN GATE NATIONAL RECREATION AREA. THE DATA ARE FROM A REPORT BY MARY ANN MADEJ; "ANALYSIS OF USGS WATER QUALITY DATA 1986-1988." THE REPORT CONTAINS ADDITIONAL DATA FOR USGS STATION 11460156 THAT WERE COLLECTED AND ANALYZED BUT NOT UPLOADED TO STORET BY THE USGS. AS INDICATED IN THE REPORT; SULFATE DATA WAS UPLOADED AS DISSOLVED; AND FECAL COLIFORM DATA ARE QUESTIONABLE DUE TO PROBLEMS WITH THE CULTURES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/86-06/01/88	5	12.5	12.5	13.	12.	0.25	0.5	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/27/86-06/10/87	3	755.	753.333	755.	750.	8.333	2.887	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/27/86-06/01/88	5	0.2	5.912	29.	0.08	166.584	12.907	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/86-06/01/88	5	330.	302.6	388.	138.	9224.8	96.046	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/27/86-06/01/88	5	10.1	10.28	11.4	9.6	0.507	0.712	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/86-06/01/88	6	94.5	93.167	109.	72.	148.567	12.189	**	**	**	**
00400	PH (STANDARD UNITS)	06/27/86-06/01/88	5	8.1	7.94	8.2	7.6	0.098	0.313	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/27/86-06/01/88	5	8.1	7.849	8.2	7.6	0.108	0.329	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/86-06/01/88	5	0.008	0.014	0.025	0.006	0.	0.01	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/23/88-06/01/88	2	8.05	8.05	8.1	8.	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/23/88-06/01/88	2	8.047	8.047	8.1	8.	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/23/88-06/01/88	2	0.009	0.009	0.01	0.008	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/27/86-06/01/88	5	116.	101.4	123.	32.	1516.3	38.94	**	**	**	**
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/23/88-06/01/88	2	122.	122.	123.	121.	2.	1.414	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/31/86-06/10/87	4	79.	76.5	116.	32.	2001.	44.733	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/31/86-06/01/88	6	140.	111.833	150.	39.	2600.567	50.996	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/27/86-06/01/88	5	0.2	0.28	0.6	0.2	0.032	0.179	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/27/86-06/01/88	5	0.02	0.02	0.05	0.005	0.	0.018	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/27/86-06/10/87	3	120.	96.333	130.	39.	2490.333	49.903	**	**	**	**

** - Less than 9 observations ## - 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: PORE0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/27/86-06/10/87	3	7.	8.	13.	4.	21.	4.583	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/27/86-06/01/88	5	25.	21.64	26.	7.2	65.848	8.115	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/27/86-06/01/88	5	14.	12.62	15.	5.1	17.922	4.233	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/27/86-06/01/88	5	19.	18.	21.	11.	16.	4.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/27/86-06/10/87	3	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/27/86-06/10/87	3	26.	29.333	37.	25.	44.333	6.658	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/27/86-06/01/88	5	0.9	0.86	0.9	0.8	0.003	0.055	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/27/86-06/01/88	5	25.	23.6	30.	13.	39.8	6.309	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/27/86-06/01/88	5	19.	17.8	20.	11.	14.7	3.834	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/27/86-06/01/88	5	0.1	0.13	0.3	0.05	0.009	0.097	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/27/86-06/01/88	5	15.	15.2	16.	14.	0.7	0.837	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/27/86-06/01/88	5	2.	2.2	3.	2.	0.2	0.447	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/27/86-06/01/88	5	20.	20.	20.	20.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/27/86-06/01/88	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/27/86-06/01/88	5 ##	5.	6.5	20.	0.5	60.75	7.794	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/27/86-06/01/88	5 ##	5.	11.	20.	5.	67.5	8.216	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/27/86-06/01/88	5	6.	18.1	72.	1.5	912.3	30.204	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/27/86-06/01/88	5 ##	50.	60.	100.	50.	500.	22.361	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/27/86-06/01/88	5 ##	5.	8.	20.	5.	45.	6.708	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/23/88-06/01/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/01/88	5	200.	531.6	1200.	88.	275912.8	525.274	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/01/88	5	2.301	2.511	3.079	1.944	0.251	0.501	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			324.361								
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/27/86-06/27/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/27/86-06/27/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/27/86-06/01/88	5	186.	169.6	196.	91.	1961.3	44.287	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/27/86-06/10/87	3	190.	154.	190.	82.	3888.	62.354	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/31/86-06/10/87	4	0.19	0.19	0.27	0.11	0.008	0.087	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/31/86-01/31/86	1	81.	81.	81.	81.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/27/86-06/01/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/31/86-03/23/88	2	27.	27.	53.	1.	1352.	36.77	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/31/86-03/23/88	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/27/86-06/27/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00				2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00	3	0	0.00				2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	5	0	0.00	3	0	0.00				2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PORE0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	50.	5	0	0.00	3	0	0.00				2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00							1	1	1.00			
		Drinking Water	5.	1 &	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	3	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	2	0.40	3	0	0.00				2	2	1.00			
		Drinking Water	1300.	5	0	0.00	3	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	1	0.20	3	0	0.00				2	1	0.50			
		Drinking Water	15.	1 &	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00				2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	2.	5	0	0.00	3	0	0.00				2	0	0.00			

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

Station Inventory for Station: PORE0003

NPS Station ID: PORE0003
LAT/LON: 37.898615/-122.636392
Agency: 112WRD
Date Created: 07/30/88
Location: TABLE ROCK C AT STINSON BCH CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11460158
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 6.90
On/Off RF1:
RF3 Index: 18050002003109.99
RF3 Mile Point: 10.18
Distance from RF3: 0.14
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/23/88-06/01/88	3	14.5	14.	14.5	13.	0.75	0.866	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	03/23/88-06/01/88	2	767.5	767.5	770.	765.	12.5	3.536	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/23/88-06/01/88	3	0.1	0.093	0.1	0.08	0.	0.012	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/23/88-06/01/88	2	325.	325.	330.	320.	50.	7.071	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/23/88-06/01/88	2	10.15	10.15	10.5	9.8	0.245	0.495	**	**	**	**
00400	PH (STANDARD UNITS)	03/23/88-06/01/88	2	8.45	8.45	8.5	8.4	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/23/88-06/01/88	2	8.447	8.447	8.5	8.4	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/23/88-06/01/88	2	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/23/88-06/01/88	2	8.25	8.25	8.3	8.2	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/23/88-06/01/88	2	8.247	8.247	8.3	8.2	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/23/88-06/01/88	2	0.006	0.006	0.006	0.005	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/23/88-06/01/88	2	113.5	113.5	117.	110.	24.5	4.95	**	**	**	**
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	03/23/88-06/01/88	2	113.5	113.5	117.	110.	24.5	4.95	**	**	**	**
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	03/23/88-06/01/88	2	12.5	12.5	22.	3.	180.5	13.435	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	03/23/88-06/01/88	2	113.5	113.5	128.	99.	420.5	20.506	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/23/88-06/01/88	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/23/88-06/01/88	2 ##	0.013	0.013	0.02	0.005	0.	0.011	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/23/88-06/01/88	2	20.5	20.5	21.	20.	0.5	0.707	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/23/88-06/01/88	2	15.5	15.5	16.	15.	0.5	0.707	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/23/88-06/01/88	2	22.5	22.5	23.	22.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/23/88-06/01/88	2	1.25	1.25	1.5	1.	0.125	0.354	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/23/88-06/01/88	2	26.	26.	26.	26.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/23/88-06/01/88	2	20.5	20.5	21.	20.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/23/88-06/01/88	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/23/88-06/01/88	2	19.5	19.5	20.	19.	0.5	0.707	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/23/88-06/01/88	2	8.	8.	8.	8.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/23/88-06/01/88	2	20.	20.	20.	20.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/23/88-06/01/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/88-06/01/88	2 ##	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/23/88-06/01/88	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/23/88-06/01/88	2	19.	19.	24.	14.	50.	7.071	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/23/88-06/01/88	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/88-06/01/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/23/88-06/01/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/23/88-06/01/88	2	372.5	372.5	670.	75.	177012.5	420.729	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	03/23/88-06/01/88	2	2.351	2.351	2.826	1.875	0.452	0.672	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			224.165								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/23/88-06/01/88	2	1000.	1000.	1730.	270.	1065800.	1032.376	**	**	**	**

** - Less than 9 observations ## - 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: PORE0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/23/88-06/01/88	2	2.835	2.835	3.238	2.431	0.325	0.57	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			683.447								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/23/88-06/01/88	2	190.	190.	192.	188.	8.	2.828	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/23/88-06/01/88	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/23/88-03/23/88	2	4.	4.	4.	4.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/23/88-03/23/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	2	1	0.50	1	1	1.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			

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

Station Inventory for Station: PORE0004

NPS Station ID: PORE0004 LAT/LON: 37.898615/-122.636392 Agency: 11NPSWRD Date Created: 07/18/98
Location: TABLE ROCK (EASKOOT) CR AT STINSON BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_USGS_TRC /11460158
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT TABLE ROCK (EASKOOT) CR UPSTREAM OF HIGHWAY 1 BRIDGE; ADJACENT TO STINSON BEACH FIRE HOUSE. THIS SITE IS LOCATED OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA). THE DATA ARE FROM A REPORT BY MARY ANN MADEJ; "ANALYSIS OF USGS WATER QUALITY DATA 1986-1988." THE REPORT CONTAINS ADDITIONAL DATA FOR USGS STATION 11460158 THAT WERE COLLECTED AND ANALYZED BUT NOT UPLOADED TO STORET BY THE USGS. AS INDICATED IN THE REPORT; SULFATE DATA WERE UPLOADED AS DISSOLVED; AND FECAL COLIFORM DATA ARE QUESTIONABLE DUE TO PROBLEMS WITH THE CULTURES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620).
DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/30/86-06/10/87	4	13.25	13.5	14.5	13.	0.5	0.707	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	01/30/86-06/10/87	4	762.5	761.25	765.	755.	22.917	4.787	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/30/86-06/10/87	4	3.55	12.285	42.	0.04	403.109	20.078	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/30/86-06/10/87	4	251.	241.25	328.	135.	9508.917	97.514	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/30/86-06/10/87	4	10.5	10.725	11.8	10.1	0.576	0.759	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/30/86-06/01/88	6	100.	101.167	115.	93.	56.167	7.494	**	**	**	**
00400	PH (STANDARD UNITS)	01/30/86-06/10/87	4	7.95	7.925	8.4	7.4	0.183	0.427	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/30/86-06/10/87	4	7.925	7.772	8.4	7.4	0.214	0.462	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/30/86-06/10/87	4	0.012	0.017	0.04	0.004	0.	0.016	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/30/86-06/10/87	4	78.	74.75	109.	34.	1245.583	35.293	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/30/86-06/10/87	4	77.5	73.75	106.	34.	1190.917	34.51	**	**	**	**
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	06/27/86-06/27/86	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/30/86-06/10/87	4	70.	78.	130.	42.	1378.667	37.13	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/30/86-06/10/87	4	0.5	0.5	0.8	0.2	0.087	0.294	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/30/86-06/10/87	4	0.03	0.09	0.29	0.01	0.018	0.134	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/30/86-06/10/87	4	84.	79.5	110.	40.	1294.333	35.977	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/30/86-06/10/87	4	4.	5.25	13.	0.	32.917	5.737	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/30/86-06/10/87	4	14.	13.7	20.	6.8	39.827	6.311	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/30/86-06/10/87	4	11.55	10.9	15.	5.5	23.54	4.852	**	**	**	**

** - Less than 9 observations ## - 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: PORE0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/30/86-06/10/87	4	18.	17.25	23.	10.	39.583	6.292	**	**	**	**
00931	SODIUM ADSORPTION RATIO	01/30/86-06/10/87	4	0.85	0.85	1.	0.7	0.017	0.129	**	**	**	**
00932	SODIUM, PERCENT	01/30/86-06/10/87	4	32.5	32.75	35.	31.	4.25	2.062	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/30/86-06/10/87	4	1.1	1.1	1.2	1.	0.007	0.082	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/30/86-06/10/87	4	21.	21.	31.	11.	109.333	10.456	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/30/86-06/10/87	4	15.	15.	19.	11.	16.667	4.082	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/30/86-06/10/87	4 ##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/30/86-06/10/87	4	18.5	18.25	19.	17.	0.917	0.957	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/86-06/10/87	4	8.5	9.25	14.	6.	12.917	3.594	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/30/86-06/10/87	4	20.	22.5	30.	20.	25.	5.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/86-06/10/87	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/86-06/10/87	4 ##	5.	11.25	30.	5.	156.25	12.5	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/30/86-06/10/87	4 ##	12.5	12.5	20.	5.	75.	8.66	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/30/86-06/10/87	4	80.5	79.25	140.	16.	4924.917	70.178	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/30/86-06/10/87	4 ##	50.	62.5	100.	50.	625.	25.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/30/86-06/10/87	4	15.	21.25	50.	5.	406.25	20.156	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/10/87	2	275.	275.	320.	230.	4050.	63.64	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/10/87	2	2.433	2.433	2.505	2.362	0.01	0.101	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			271.293								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/10/87	4	620.	575.	880.	180.	119633.333	345.881	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/10/87	4	2.76	2.68	2.944	2.255	0.107	0.327	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			478.696								
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39056	PROMETONE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/27/86-06/27/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/27/86-06/27/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/27/86-06/27/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/30/86-06/10/87	4	156.5	151.5	189.	104.	1857.667	43.101	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/30/86-06/10/87	4	150.	148.75	210.	85.	3672.917	60.605	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/30/86-06/10/87	4	0.21	0.205	0.26	0.14	0.004	0.059	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/30/86-06/10/87	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/30/86-01/30/86	1	16.	16.	16.	16.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/30/86-01/30/86	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/27/86-06/27/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	2	0	0.00				2	0	0.00			
00400	PH	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00				2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	2	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	250.	4	0	0.00	2	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	2	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 &	1	1.00							1	1	1.00			
		Drinking Water	5.	1 &	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	2	0.50	2	0	0.00				2	2	1.00			
		Drinking Water	1300.	4	0	0.00	2	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	1	0.25	2	0	0.00				2	1	0.50			
		Drinking Water	15.	1 &	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	5000.	4	0	0.00	2	0	0.00				2	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	2	2	1.00	2	2	1.00									
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00				2	0	0.00			

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

Station Inventory for Station: PORE0005

NPS Station ID: PORE0005 | LAT/LON: 37.898258/-122.635125 | Agency: 11NPSWRD | Date Created: 04/03/99
Location: BLACK ROCK CREEK AT WILLOW AVENUE | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_SBWD_S2B
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BLACK ROCK CREEK AT WILLOW AVENUE AND DOWN-STREAM OF SPLAIN'S SEPTIC SYSTEM. THIS SITE IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-06/02/98	38	0.1	0.157	0.67	0.027	0.022	0.147	0.031	0.053	0.185	0.4
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	9	0.21	0.493	1.8	0.	0.384	0.62	0.	0.	0.9	1.8
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/94-06/02/98	3	0.6	0.627	0.78	0.5	0.02	0.142	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/01/94-06/02/98	27	0.79	0.979	4.3	0.	0.759	0.871	0.195	0.42	1.24	1.99
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/01/94-06/02/98	24	1600.	1287.083	2400.	210.	330447.645	574.846	315.	920.	1600.	1600.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/01/94-06/02/98	24	3.204	3.038	3.38	2.322	0.087	0.294	2.496	2.964	3.204	3.204
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1092.622								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/01/94-06/02/98	24	185.	466.708	1600.	13.	377338.129	614.279	24.5	49.	540.	1600.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/01/94-06/02/98	24	2.247	2.219	3.204	1.114	0.477	0.69	1.388	1.69	2.732	3.204
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			165.463								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	08/02/94-02/06/96	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0005

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------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.	9	1	0.11	1	0	0.00	5	1	0.20	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: PORE0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	27	0	0.00	16	0	0.00	2	0	0.00	9	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	24	16	0.67	10	8	0.80	4	3	0.75	10	5	0.50			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	24	12	0.50	10	7	0.70	4	2	0.50	10	3	0.30			

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

Station Inventory for Station: PORE0006

NPS Station ID: PORE0006 | LAT/LON: 37.897992/-122.633592 | Agency: 11NPSWRD | Date Created: 04/03/99
Location: BLACK ROCK CR AT PANORAMIC HWY | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_SBWD_S2A
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BLACK ROCK CR AT PANORAMIC HWY BELOW WALSH PROPERTY. THIS SITE IS INSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-06/02/98	31	0.1	0.124	0.56	0.025	0.013	0.116	0.031	0.04	0.15	0.272
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	9	0.75	0.6	1.5	0.	0.28	0.529	0.	0.075	0.975	1.5
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/10/98-06/02/98	2	0.55	0.55	0.58	0.52	0.002	0.042	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/01/94-06/02/98	22	0.435	0.528	2.48	0.05	0.284	0.533	0.089	0.158	0.755	1.007
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/01/94-06/02/98	21	920.	939.238	2400.	24.	515892.19	718.256	132.	280.	1600.	1600.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/01/94-06/02/98	21	2.964	2.772	3.38	1.38	0.261	0.511	2.12	2.447	3.204	3.204
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			592.091								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/01/94-06/02/98	21	79.	248.333	1600.	2.	152357.233	390.33	8.6	28.	350.	844.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/01/94-06/02/98	21	1.898	1.912	3.204	0.301	0.531	0.728	0.931	1.44	2.544	2.918
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			81.662								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	02/07/95-02/06/96	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	2	0.22	1	0	0.00	5	2	0.40	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: PORE0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	22	0	0.00	11	0	0.00	1	0	0.00	10	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	21	9	0.43	7	4	0.57	4	3	0.75	10	2	0.20			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	21	7	0.33	7	3	0.43	4	2	0.50	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 Inventory for Station: PORE0007

NPS Station ID: PORE0007 LAT/LON: 37.899975/-122.642942 Agency: 11NPSWRD Date Created: 04/03/99
Location: EASKOOT CREEK DOWNSTREAM OF CALLE DEL PINOS ST. FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_SBWD_S4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT EASKOOT CREEK DOWNSTREAM OF PARKSIDE RES-TAURANT AND ADJACENT TO THE POST OFFICE. THIS SITE IS OUTSIDE OF THE BOUNDARY OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGE- MENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	169	0.1	0.161	2.	0.	0.036	0.191	0.05	0.08	0.18	0.34
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	9	0.6	0.837	2.25	0.	0.647	0.804	0.	0.09	1.5	2.25
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/94-06/02/98	3	1.5	1.6	2.6	0.7	0.91	0.954	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	155	1.105	1.907	62.	0.	26.095	5.108	0.35	0.7	1.81	3.12
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	129	4600.	8563.891	24000.	460.	62624683.441	7913.576	1588.	2400.	14684.5	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	129	3.663	3.724	4.38	2.663	0.2	0.448	3.201	3.38	4.165	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5298.952								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	130	750.	1750.962	24000.	10.	12955880.471	3599.428	110.	230.	1800.	4600.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	130	2.875	2.789	4.38	1.	0.396	0.629	2.041	2.362	3.248	3.663
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			615.535								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	23 ##	0.025	0.023	0.05	0.01	0.	0.008	0.013	0.025	0.025	0.025

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

EPA Water Quality Criteria Analysis for Station: PORE0007

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------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.	9	4	0.44	1	0	0.00	5	3	0.60	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

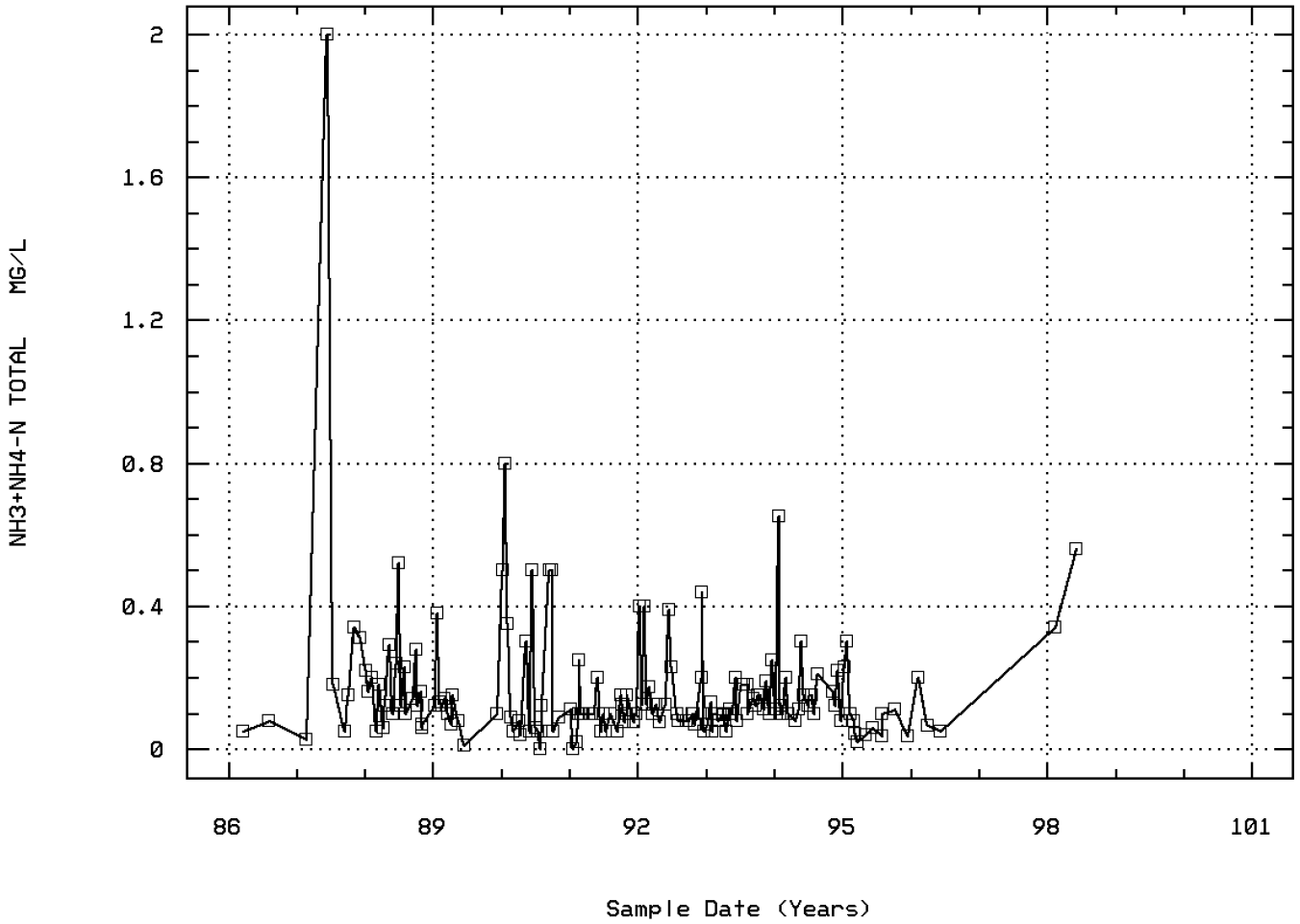
EPA Water Quality Criteria Analysis for Station: PORE0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	155	2	0.01	61	1	0.02	33	0	0.00	61	1	0.02			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	129	123	0.95	52	49	0.94	23	23	1.00	54	51	0.94			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	130	103	0.79	52	37	0.71	24	22	0.92	54	44	0.81			

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

Station: PORE0007 Parameter Code: 00610

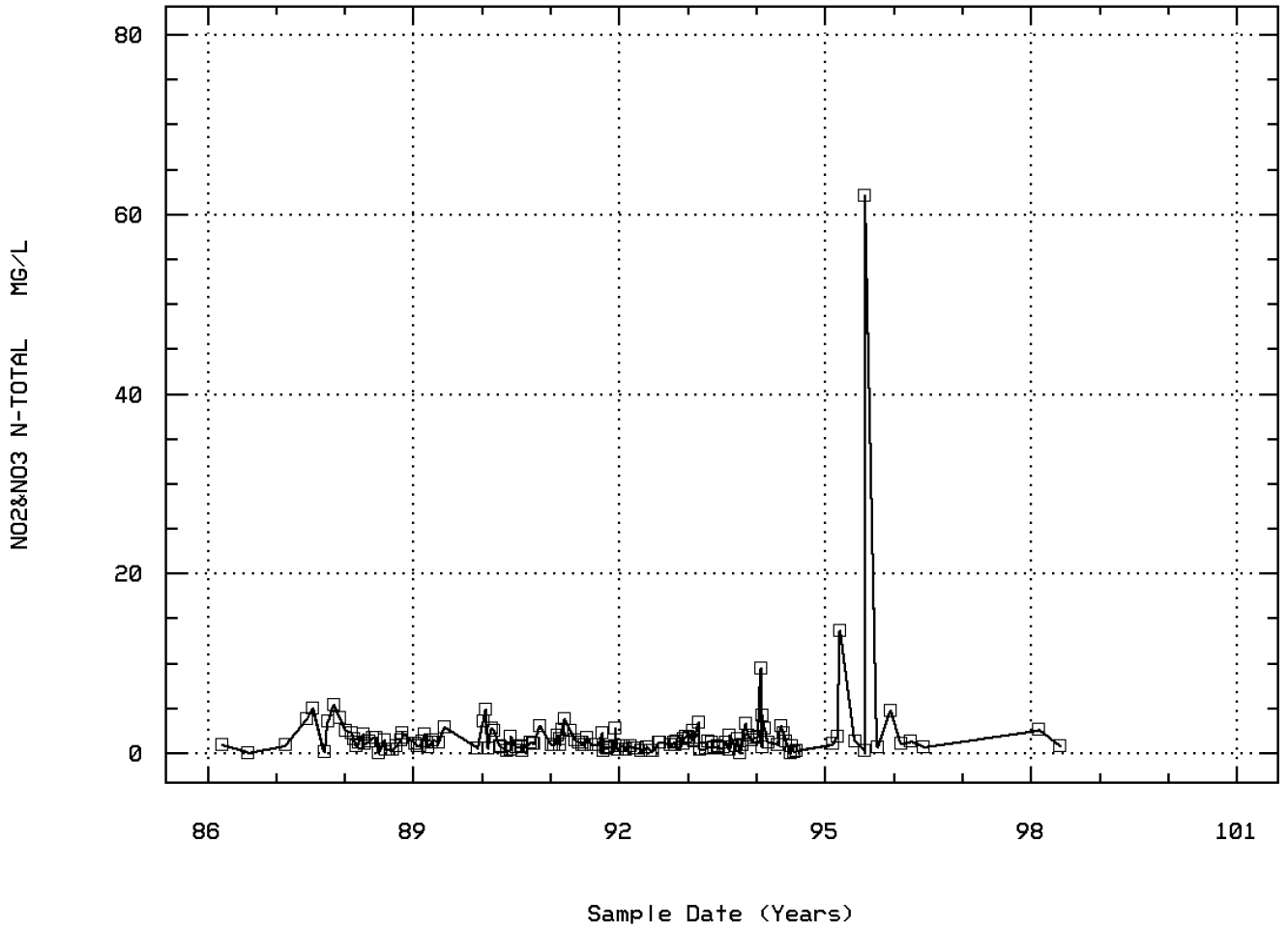
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK DOWNSTREAM OF CALLE DEL P

Station: PORE0007 Parameter Code: 00630

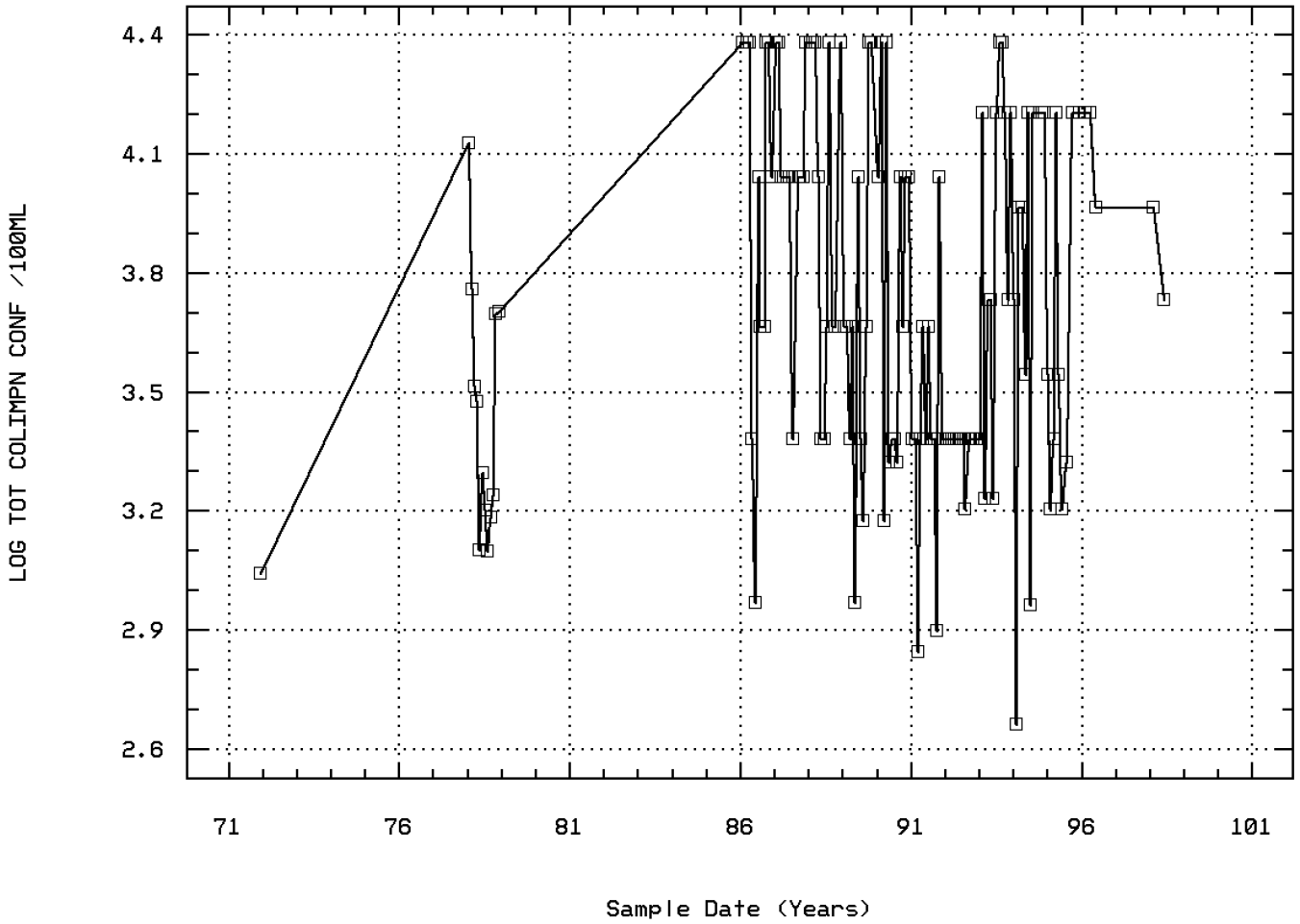
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



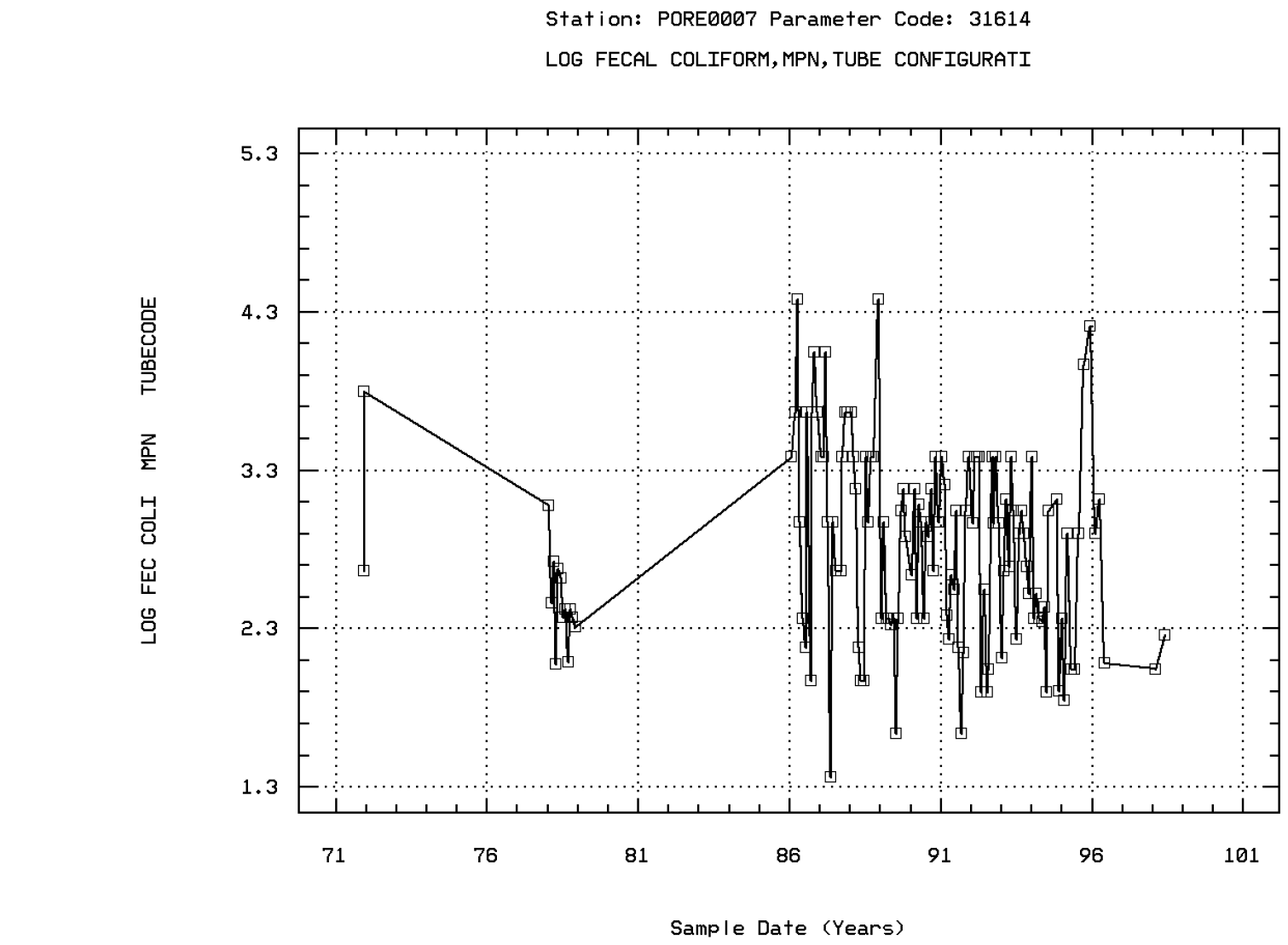
EASKOOT CREEK DOWNSTREAM OF CALLE DEL P

Station: PORE0007 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK DOWNSTREAM OF CALLE DEL P



EASKOOT CREEK DOWNSTREAM OF CALLE DEL P

Annual Analysis for 1971 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	1	3.041	3.041	3.041	3.041	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1100.								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	3330.	3330.	6200.	460.	16473800.	4058.793	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	3.228	3.228	3.792	2.663	0.638	0.799	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1688.787								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	2481.5	3726.	13369.	1255.	11785569.273	3433.012	1257.1	1541.5	5028.25	11074.3
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.385	3.449	4.126	3.099	0.103	0.32	3.099	3.188	3.701	4.015
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2814.379								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	263.	360.	1179.	119.	82645.818	287.482	119.9	212.25	458.75	983.4
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.42	2.466	3.072	2.076	0.077	0.277	2.079	2.326	2.661	2.967
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			292.58								

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

Annual Analysis for 1986 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	2 ##	0.065	0.065	0.08	0.05	0.	0.021	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	2 ##	0.493	0.493	0.96	0.025	0.437	0.661	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	11000.	14048.182	24000.	930.	100007936.364	10000.397	1224.	4600.	24000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	4.041	3.969	4.38	2.968	0.239	0.489	3.051	3.663	4.38	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9309.23								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	4600.	5200.273	24000.	93.	49087774.818	7006.267	104.4	230.	4600.	21400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	3.663	3.266	4.38	1.968	0.626	0.791	2.01	2.362	3.663	4.312
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1845.646								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	7	0.18	0.436	2.	0.025	0.489	0.7	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	7	3.8	3.254	5.4	0.16	3.908	1.977	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	11000.	13763.636	24000.	2400.	49694545.455	7049.436	4120.	11000.	24000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	4.041	4.074	4.38	3.38	0.077	0.278	3.512	4.041	4.38	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			11849.236								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2400.	2745.727	11000.	23.	9982432.818	3159.499	110.4	460.	4600.	9720.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	3.38	3.103	4.041	1.362	0.519	0.721	1.622	2.663	3.663	3.966
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1267.321								

** - 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 box-and-whisker plot

Annual Analysis for 1988 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	20	0.15	0.171	0.52	0.05	0.012	0.11	0.06	0.1	0.228	0.289
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	19	1.4	1.342	2.55	0.	0.462	0.68	0.39	0.81	1.75	2.2
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	11000.	13600.	24000.	2400.	104144000.	10205.097	2400.	4600.	24000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	4.041	3.972	4.38	3.38	0.183	0.427	3.38	3.663	4.38	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9373.942								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2400.	3724.182	24000.	93.	47078986.564	6861.413	93.	150.	2400.	20120.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	3.38	3.075	4.38	1.968	0.57	0.755	1.968	2.176	3.38	4.237
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1187.618								

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

Annual Analysis for 1989 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	11	0.12	0.127	0.38	0.01	0.009	0.092	0.022	0.08	0.14	0.334
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	11	1.2	1.267	2.85	0.505	0.463	0.68	0.545	0.73	1.5	2.69
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	4600.	7693.636	24000.	930.	72116245.455	8492.128	1044.	2400.	11000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	3.663	3.669	4.38	2.968	0.205	0.453	3.01	3.38	4.041	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4665.464								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	230.	516.636	1500.	43.	226180.455	475.584	76.4	230.	930.	1420.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.362	2.53	3.176	1.633	0.198	0.445	1.771	2.362	2.968	3.149
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			338.515								

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

Annual Analysis for 1990 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	20	0.085	0.212	0.8	0.	0.053	0.231	0.041	0.05	0.463	0.5
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	19	0.83	1.446	4.9	0.275	1.66	1.288	0.33	0.6	2.5	3.5
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	7800.	8925.	24000.	1500.	65807500.	8112.182	1680.	2175.	11000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.852	3.764	4.38	3.176	0.192	0.438	3.22	3.337	4.041	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5809.543								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	930.	957.5	2400.	230.	396165.909	629.417	230.	437.5	1425.	2130.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.968	2.884	3.38	2.362	0.103	0.321	2.362	2.641	3.152	3.319
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			766.15								

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

Annual Analysis for 1991 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	25	0.1	0.098	0.25	0.	0.003	0.052	0.038	0.063	0.105	0.17
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	25	0.97	1.358	3.75	0.3	0.746	0.864	0.483	0.825	1.875	2.71
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	2400.	3207.5	11000.	700.	7390675.	2718.58	727.	2400.	4050.	9080.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.38	3.398	4.041	2.845	0.101	0.318	2.861	3.38	3.592	3.928
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2498.001								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	390.	843.583	2400.	43.	763477.72	873.772	72.1	155.	1475.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.589	2.649	3.38	1.633	0.314	0.56	1.787	2.19	3.163	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			445.931								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	21	0.125	0.17	0.44	0.05	0.016	0.126	0.071	0.08	0.215	0.4
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	20	0.825	0.87	1.9	0.25	0.199	0.446	0.253	0.543	1.188	1.588
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	2400.	2333.333	2400.	1600.	53333.333	230.94	1840.	2400.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.38	3.366	3.38	3.204	0.003	0.051	3.257	3.38	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2320.262								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	920.	1281.5	2400.	79.	1070852.273	1034.82	79.	170.	2400.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.964	2.848	3.38	1.898	0.364	0.603	1.898	2.167	3.38	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			704.306								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	25	0.11	0.125	0.25	0.05	0.002	0.05	0.062	0.098	0.165	0.194
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	25	1.15	1.31	3.35	0.	0.717	0.847	0.38	0.7	1.725	2.82
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	10700.	11166.667	24000.	1700.	70789696.97	8413.661	1700.	3150.	16000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.968	3.885	4.38	3.23	0.189	0.435	3.23	3.468	4.204	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7666.54								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	640.	795.833	2400.	130.	396771.97	629.898	142.	362.5	1100.	2070.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.794	2.773	3.38	2.114	0.134	0.367	2.149	2.555	3.041	3.3
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			593.181								

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

Annual Analysis for 1994 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	20	0.12	0.167	0.65	0.08	0.016	0.126	0.082	0.1	0.19	0.292
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	14	1.275	2.061	9.5	0.	6.045	2.459	0.075	0.603	2.85	6.85
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	10	9200.	9268.	16000.	460.	41865528.889	6470.358	506.	2855.	16000.	16000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	10	3.964	3.765	4.204	2.663	0.306	0.553	2.693	3.399	4.204	4.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5817.097								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	10	250.	623.9	2400.	79.	568458.767	753.962	79.1	185.	1150.	2290.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	10	2.397	2.535	3.38	1.898	0.247	0.497	1.898	2.233	3.06	3.354
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			342.927								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	13	0.08	0.096	0.3	0.021	0.007	0.082	0.027	0.037	0.105	0.272
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	8	1.565	10.676	62.	0.28	449.361	21.198	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	9	3500.	6966.667	16000.	1600.	46372500.	6809.736	1600.	1850.	16000.	16000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	9	3.544	3.646	4.204	3.204	0.19	0.436	3.204	3.263	4.204	4.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4422.676								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	230.	3034.444	16000.	10.	32387452.778	5690.998	10.	90.	4995.	16000.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	2.362	2.584	4.204	1.	1.052	1.026	1.	1.943	3.431	4.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			383.391								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	3	0.066	0.105	0.2	0.05	0.007	0.082	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	3	1.105	1.032	1.33	0.66	0.116	0.341	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	3	16000.	13733.333	16000.	9200.	15413333.333	3925.982	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	3	4.204	4.124	4.204	3.964	0.019	0.139	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			13304.828								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	3	790.	736.667	1300.	120.	350233.333	591.805	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	3	2.898	2.697	3.114	2.079	0.298	0.546	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			497.642								

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

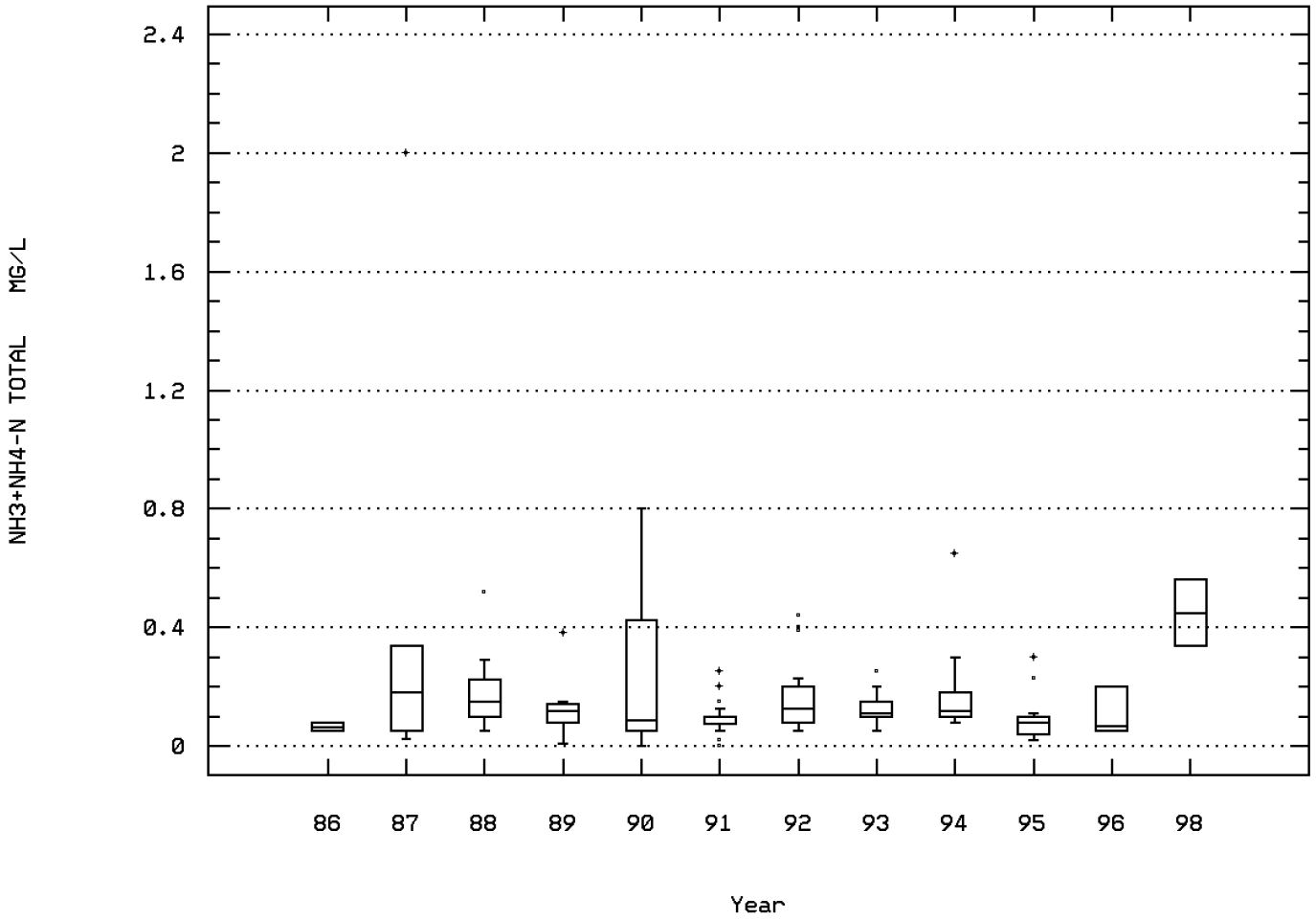
Annual Analysis for 1998 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	2	0.45	0.45	0.56	0.34	0.024	0.156	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	2	1.74	1.74	2.64	0.84	1.62	1.273	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	2	7300.	7300.	9200.	5400.	7220000.	2687.006	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	2	3.848	3.848	3.964	3.732	0.027	0.164	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7048.404								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	145.	145.	180.	110.	2450.	49.497	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	2.148	2.148	2.255	2.041	0.023	0.151	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			140.712								

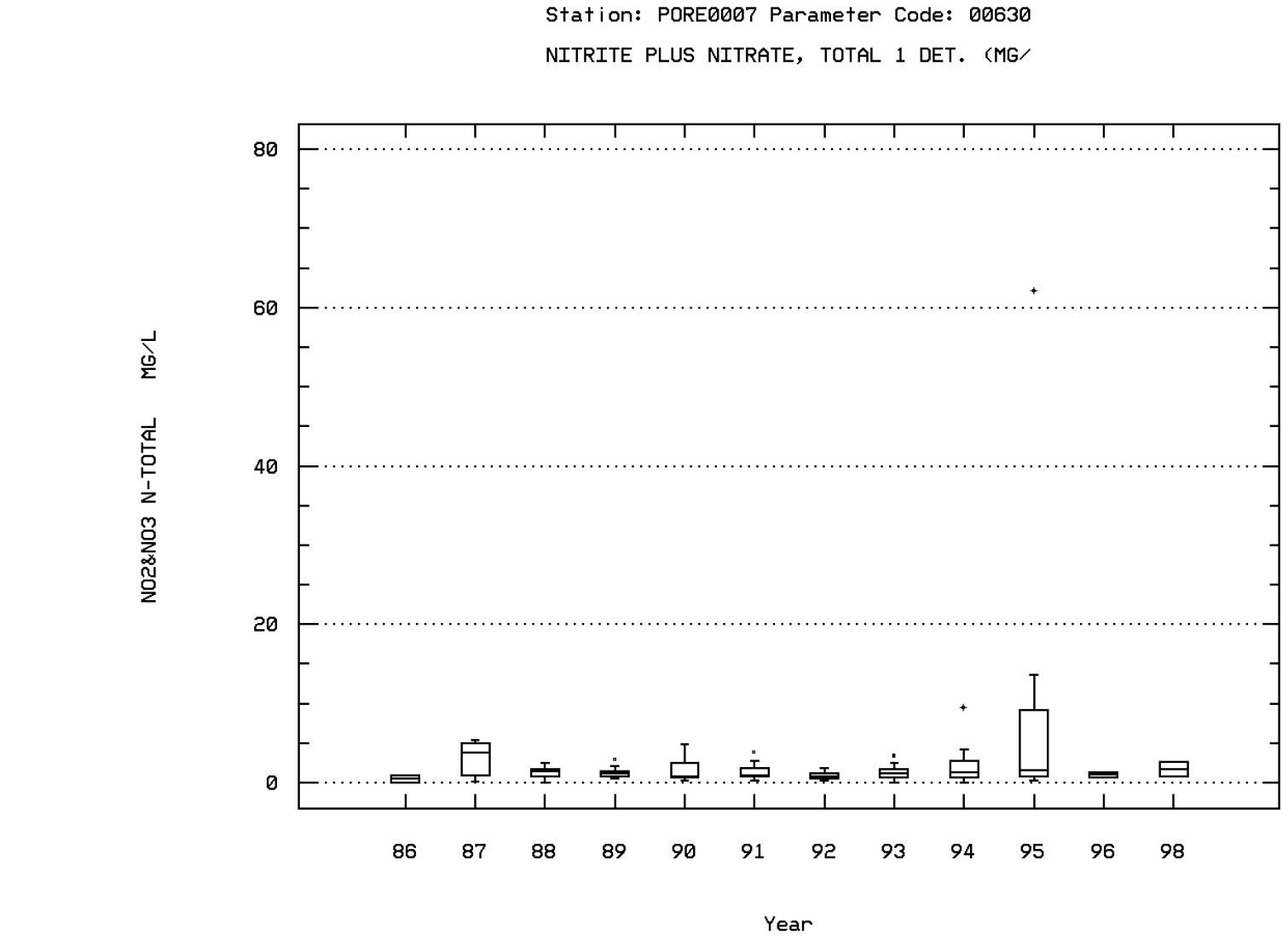
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0007 Parameter Code: 00610

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



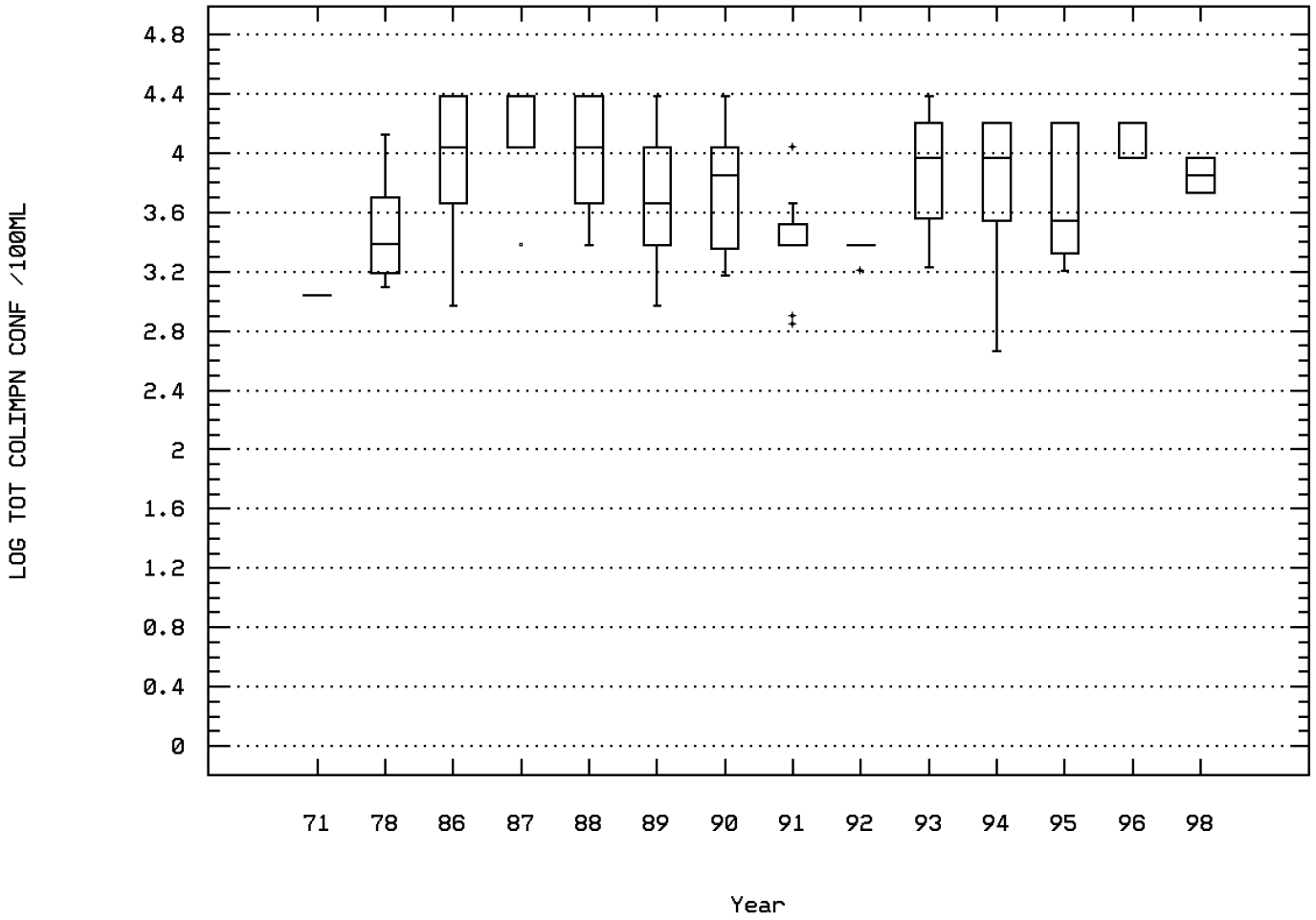
EASKOOT CREEK DOWNSTREAM OF CALLE DEL P



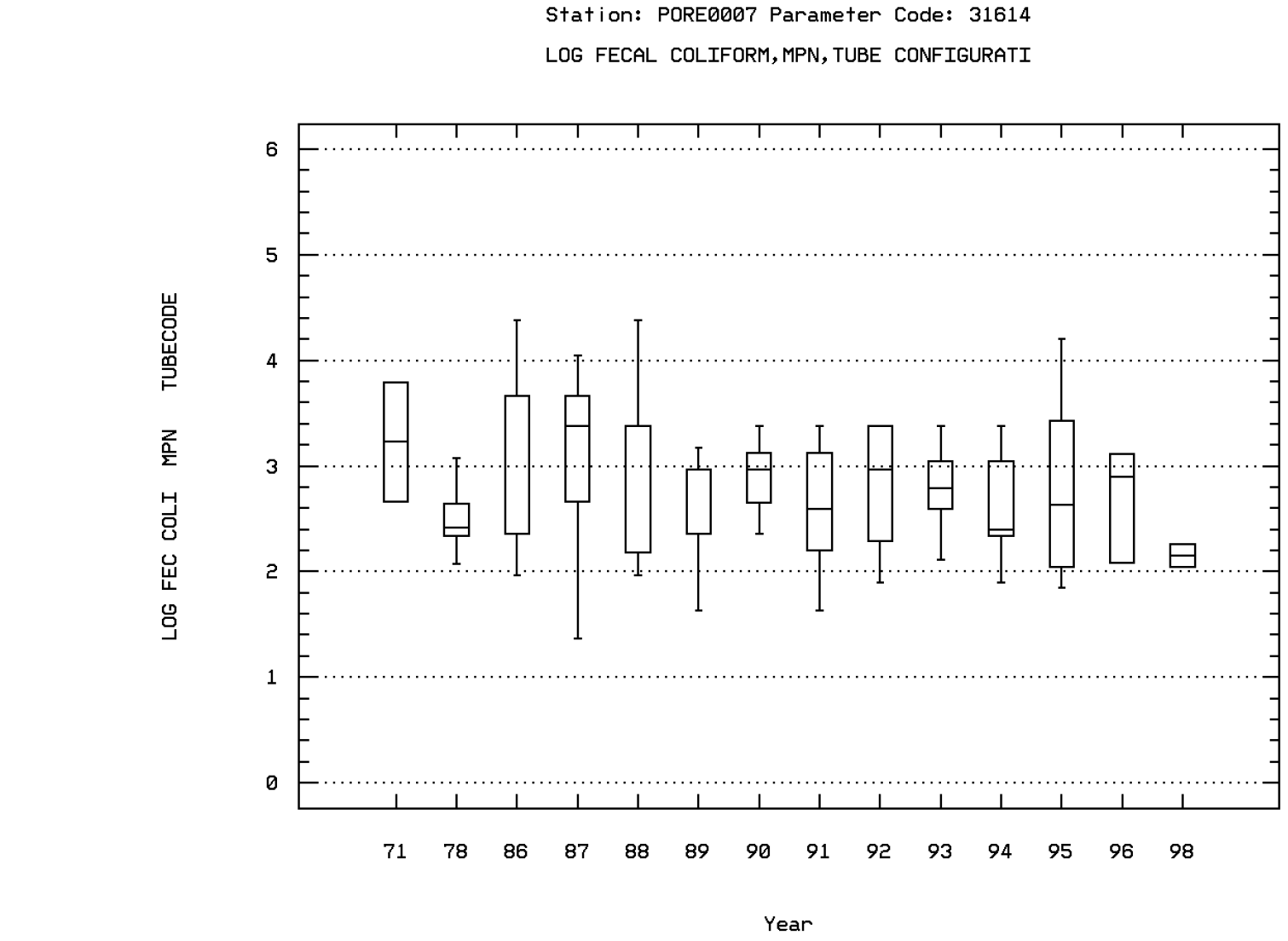
EASKOOT CREEK DOWNSTREAM OF CALLE DEL P

Station: PORE0007 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK DOWNSTREAM OF CALLE DEL P



EASKOOT CREEK DOWNSTREAM OF CALLE DEL P

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	65	0.12	0.181	2.	0.	0.069	0.262	0.05	0.07	0.18	0.434
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	61	0.84	2.053	62.	0.	61.764	7.859	0.178	0.4	1.31	2.28
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	52	3500.	7067.712	24000.	790.	52459337.778	7242.882	1507.8	2100.	11000.	21600.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	52	3.521	3.635	4.38	2.898	0.189	0.434	3.178	3.322	4.041	4.327
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4318.693								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	52	436.5	997.212	9200.	43.	2396398.445	1548.031	93.	155.	1100.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	52	2.639	2.658	3.964	1.633	0.305	0.552	1.968	2.19	3.041	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			454.625								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	11 ##	0.025	0.024	0.05	0.01	0.	0.011	0.011	0.013	0.025	0.045

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	38	0.11	0.157	0.5	0.035	0.012	0.111	0.069	0.087	0.205	0.346
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	33	1.45	1.797	5.4	0.465	1.548	1.244	0.543	0.9	2.375	3.776
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	23	11000.	10870.652	24000.	1100.	61824431.237	7862.851	2400.	3500.	16000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	23	4.041	3.892	4.38	3.041	0.158	0.397	3.38	3.544	4.204	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7797.89								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	24	1200.	3656.625	24000.	80.	33172418.592	5759.55	167.5	362.5	4600.	13500.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	24	3.078	3.118	4.38	1.903	0.451	0.672	2.213	2.555	3.663	4.123
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1310.828								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

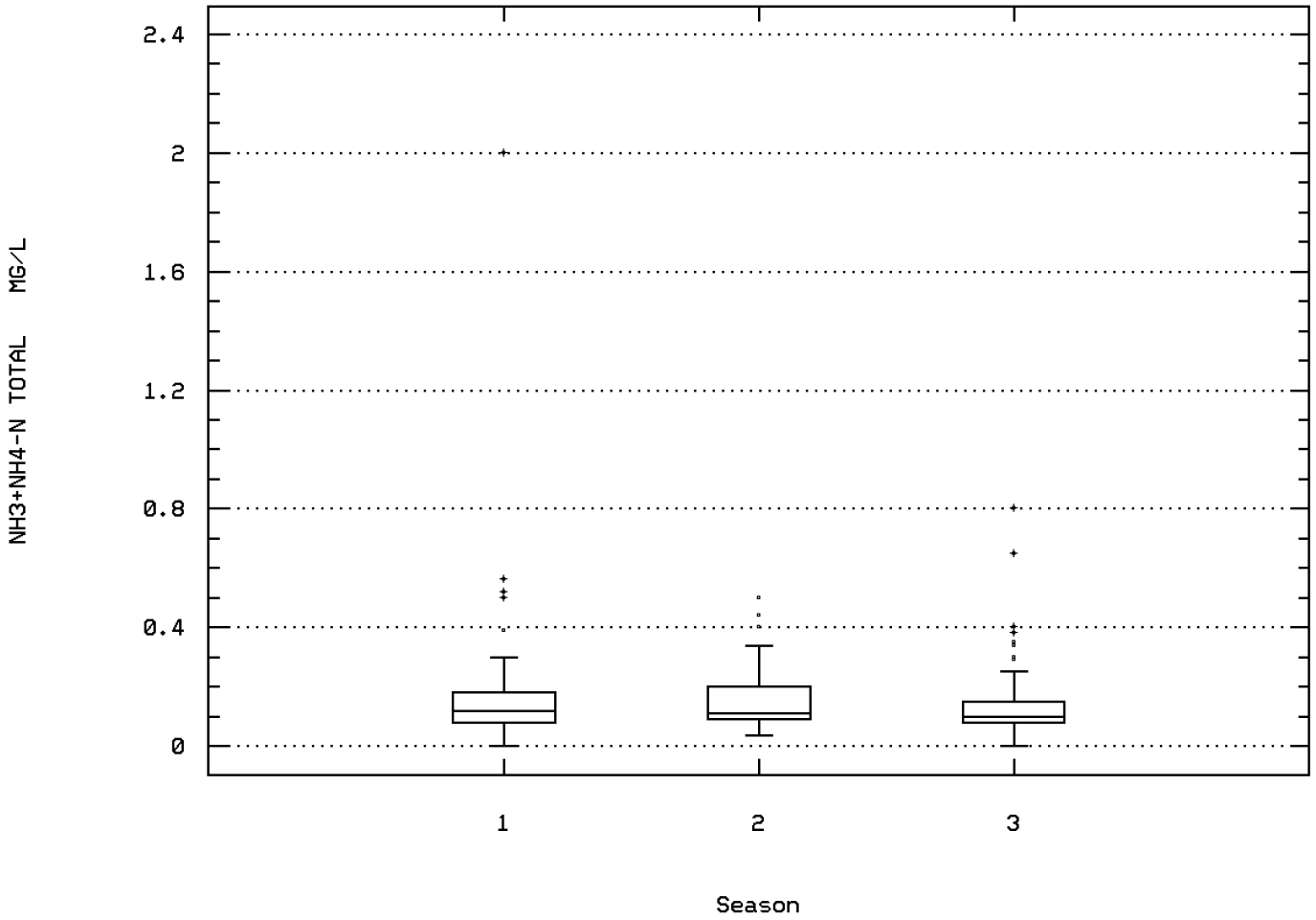
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	66	0.1	0.144	0.8	0.	0.019	0.136	0.042	0.079	0.153	0.312
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	61	1.25	1.821	13.58	0.25	4.353	2.086	0.542	0.8	2.125	3.28
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	54	4600.	9022.148	24000.	460.	70382351.864	8389.419	1550.	2400.	16000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	54	3.663	3.738	4.38	2.663	0.217	0.466	3.19	3.38	4.204	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5473.592								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	658.5	1629.833	24000.	10.	12615732.708	3551.863	101.5	230.	1800.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	2.81	2.77	4.38	1.	0.408	0.639	2.005	2.362	3.248	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			588.939								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	11 ##	0.025	0.023	0.025	0.013	0.	0.005	0.013	0.025	0.025	0.025

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

Station: PORE0007 Parameter Code: 00610

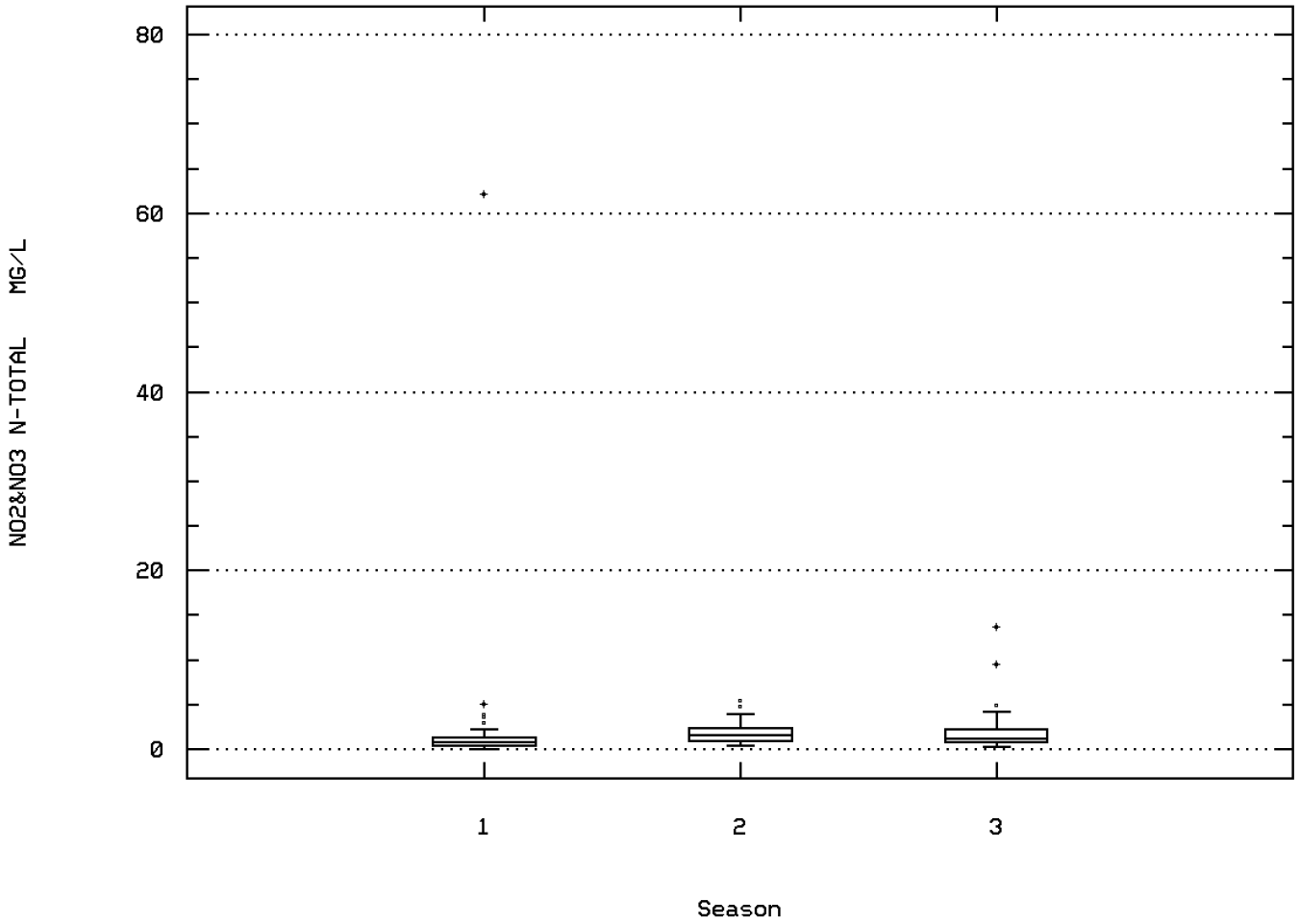
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK DOWNSTREAM OF CALLE DEL P

Station: PORE0007 Parameter Code: 00630

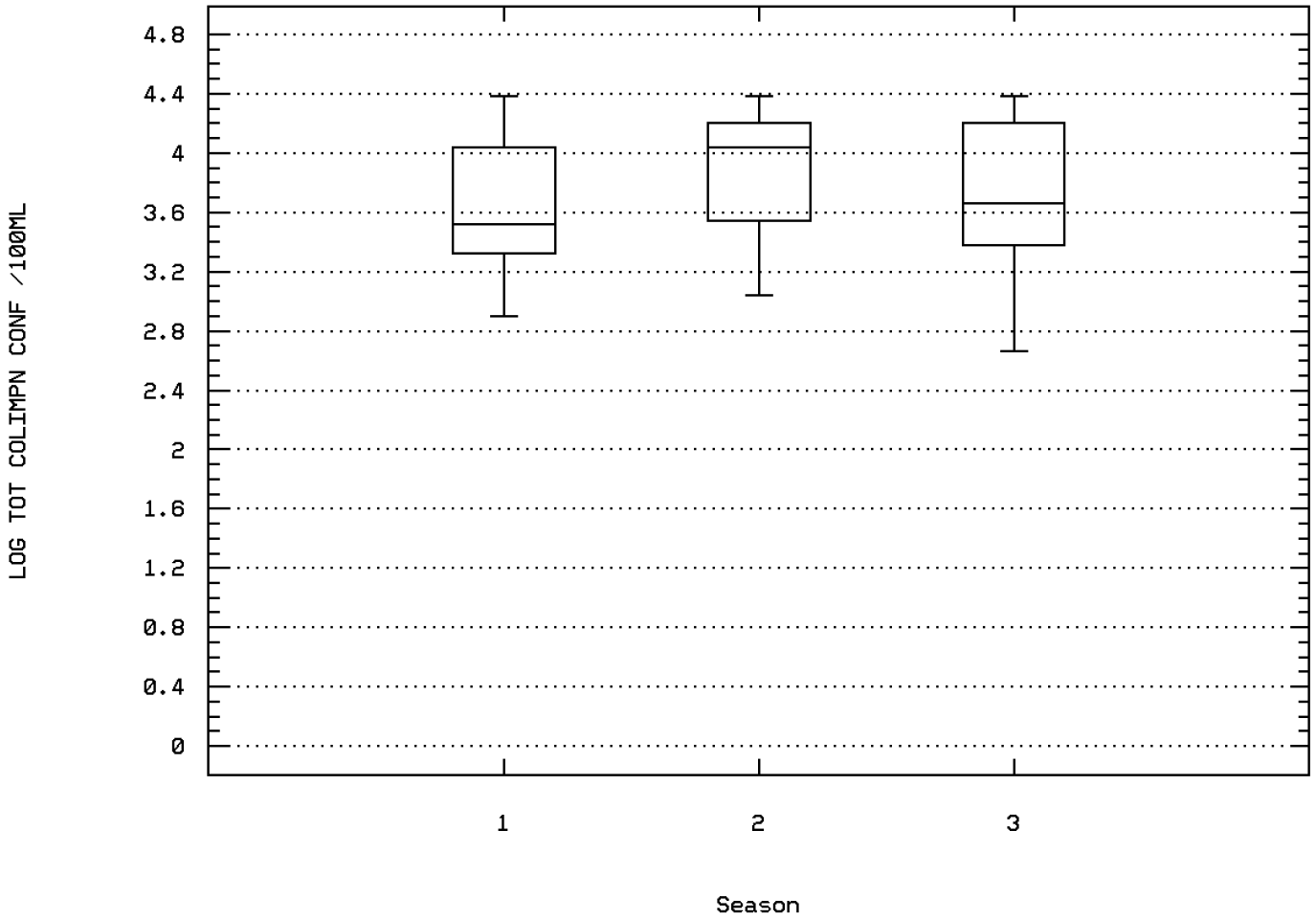
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



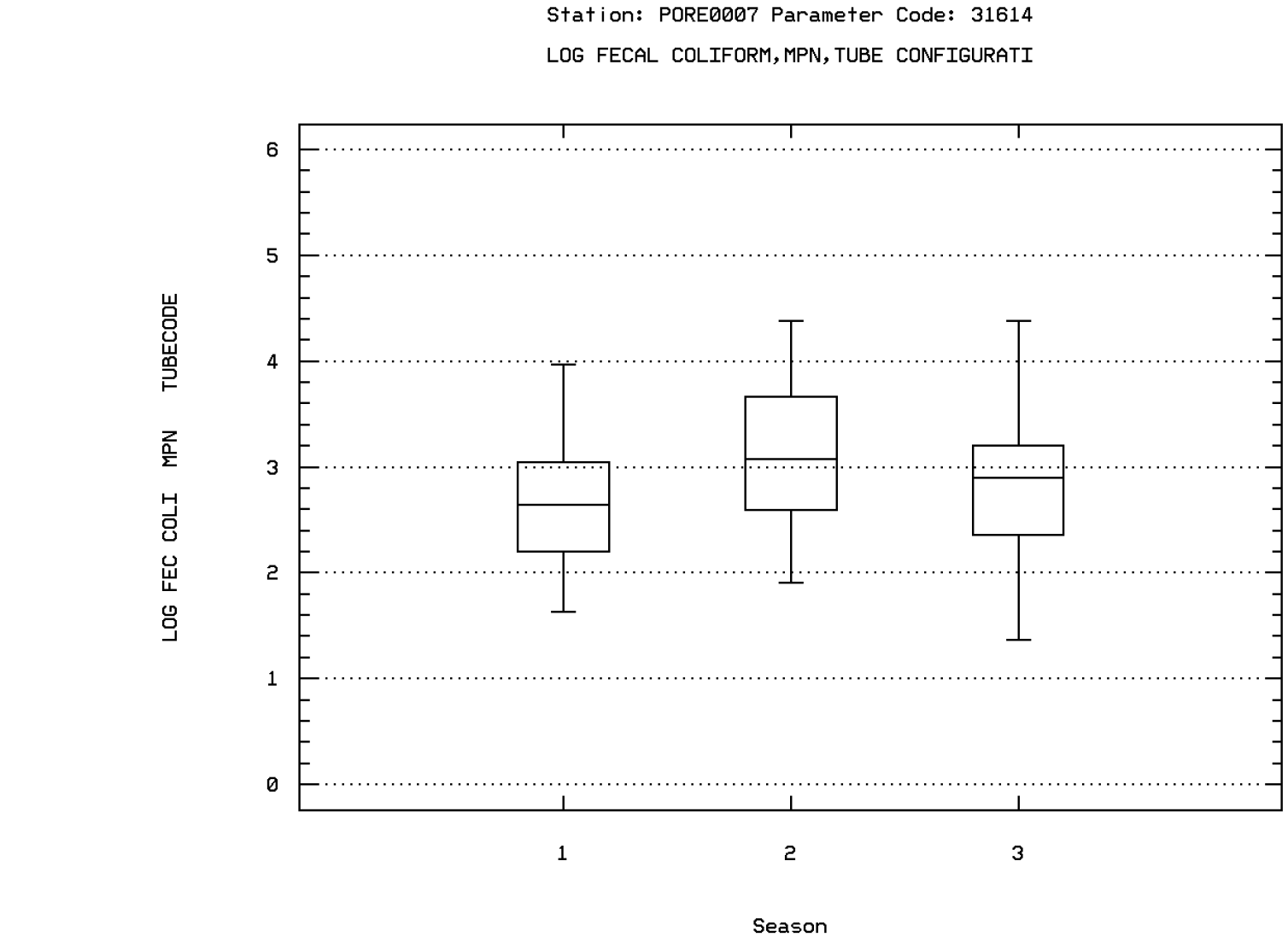
EASKOOT CREEK DOWNSTREAM OF CALLE DEL P

Station: PORE0007 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK DOWNSTREAM OF CALLE DEL P



EASKOOT CREEK DOWNSTREAM OF CALLE DEL P

Station Inventory for Station: PORE0008

NPS Station ID: PORE0008 LAT/LON: 37.898256/-122.640436 Agency: 11NPSWRD Date Created: 04/03/99
Location: EASKOOT CREEK DOWNSTREAM OF PARKSIDE RESTAURANT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_SBWD_S3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT EASKOOT CREEK DOWNSTREAM OF PARKSIDE RES-
TAURANT AND ADJACENT TO THE POST OFFICE. THIS SITE IS INSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY
WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY
THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH
MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED.
DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE
SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	149	0.1	0.15	3.	0.	0.07	0.264	0.027	0.052	0.15	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	9	0.3	0.548	1.5	0.	0.286	0.535	0.	0.09	0.975	1.5
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/10/98-06/02/98	2	0.61	0.61	0.74	0.48	0.034	0.184	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	138	1.	1.344	7.5	0.	1.865	1.366	0.205	0.498	1.6	2.625
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	108	1600.	1799.787	16000.	75.	2870371.066	1694.217	339.	920.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	108	3.204	3.115	4.204	1.875	0.153	0.391	2.528	2.964	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1302.73								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	108	240.	540.912	2400.	1.5	512632.294	715.983	23.	65.5	700.	1817.4
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	108	2.38	2.303	3.38	0.176	0.484	0.696	1.362	1.816	2.845	3.259
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			201.139								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	20	## 0.025	0.024	0.054	0.01	0.	0.009	0.013	0.025	0.025	0.025

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

EPA Water Quality Criteria Analysis for Station: PORE0008

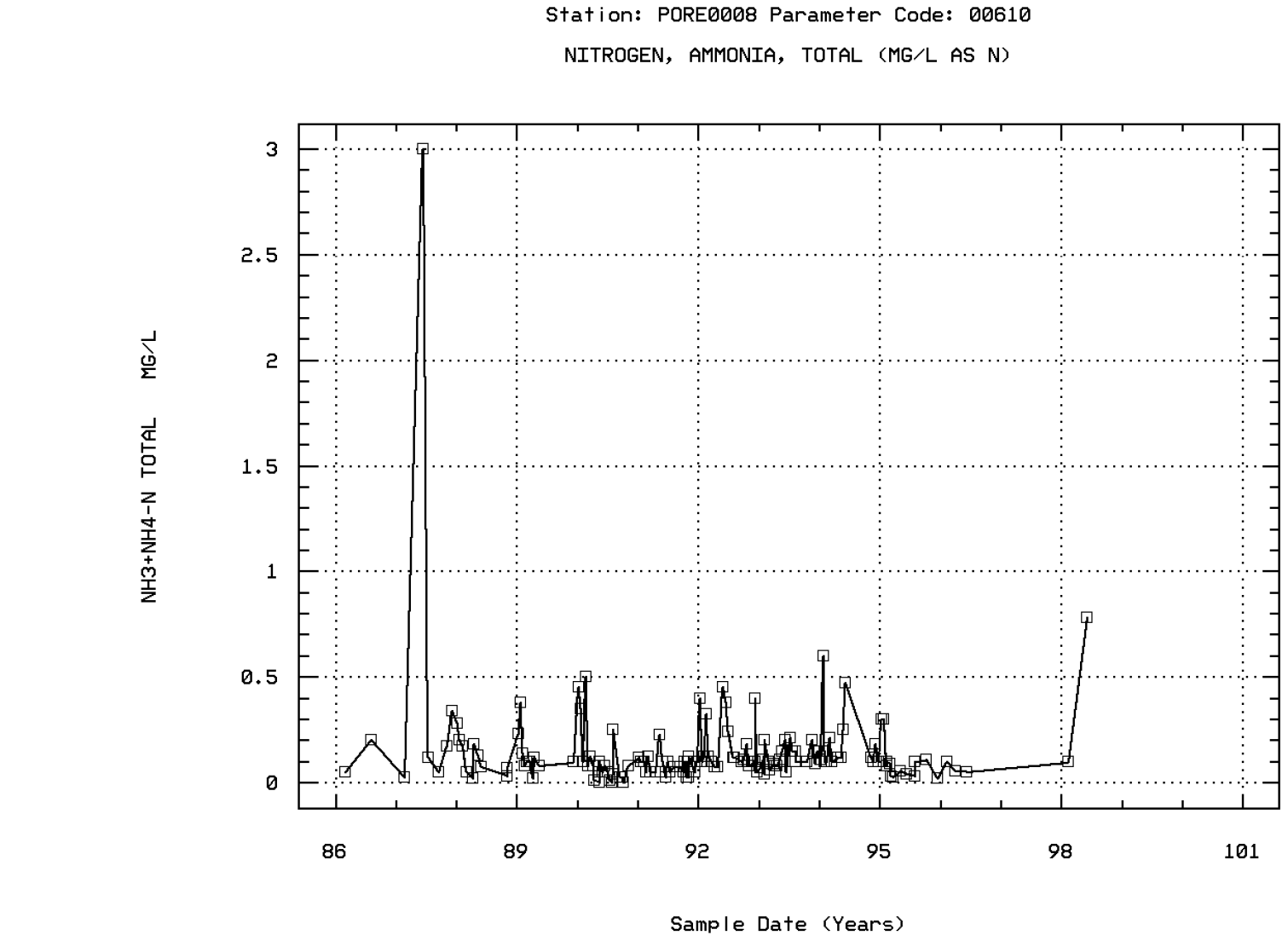
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	2	0.22	1	0	0.00	5	2	0.40	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: PORE0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	138	0	0.00	45	0	0.00	30	0	0.00	63	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	108	78	0.72	38	26	0.68	21	16	0.76	49	36	0.73			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	108	63	0.58	38	24	0.63	21	13	0.62	49	26	0.53			

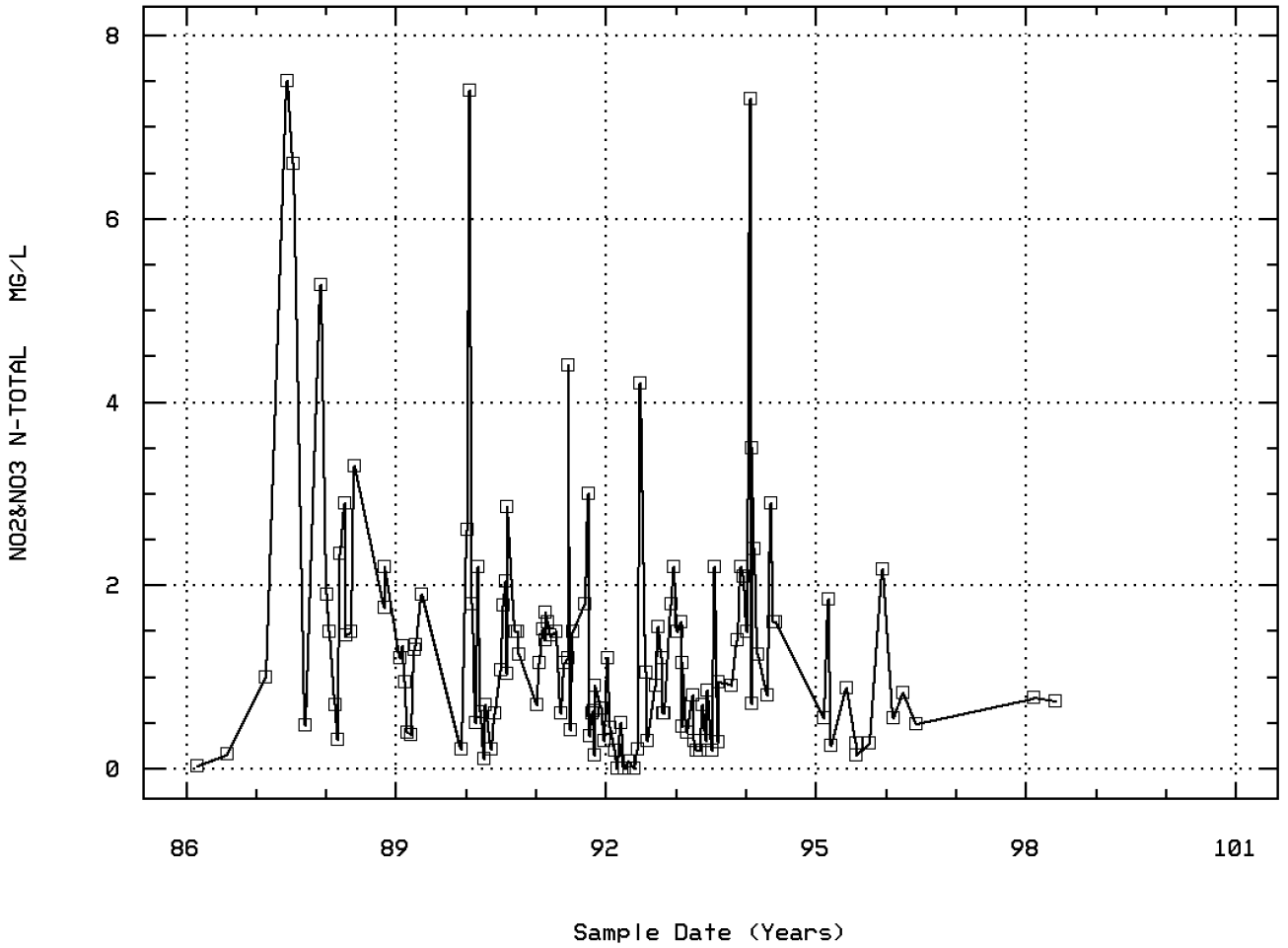
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station: PORE0008 Parameter Code: 00630

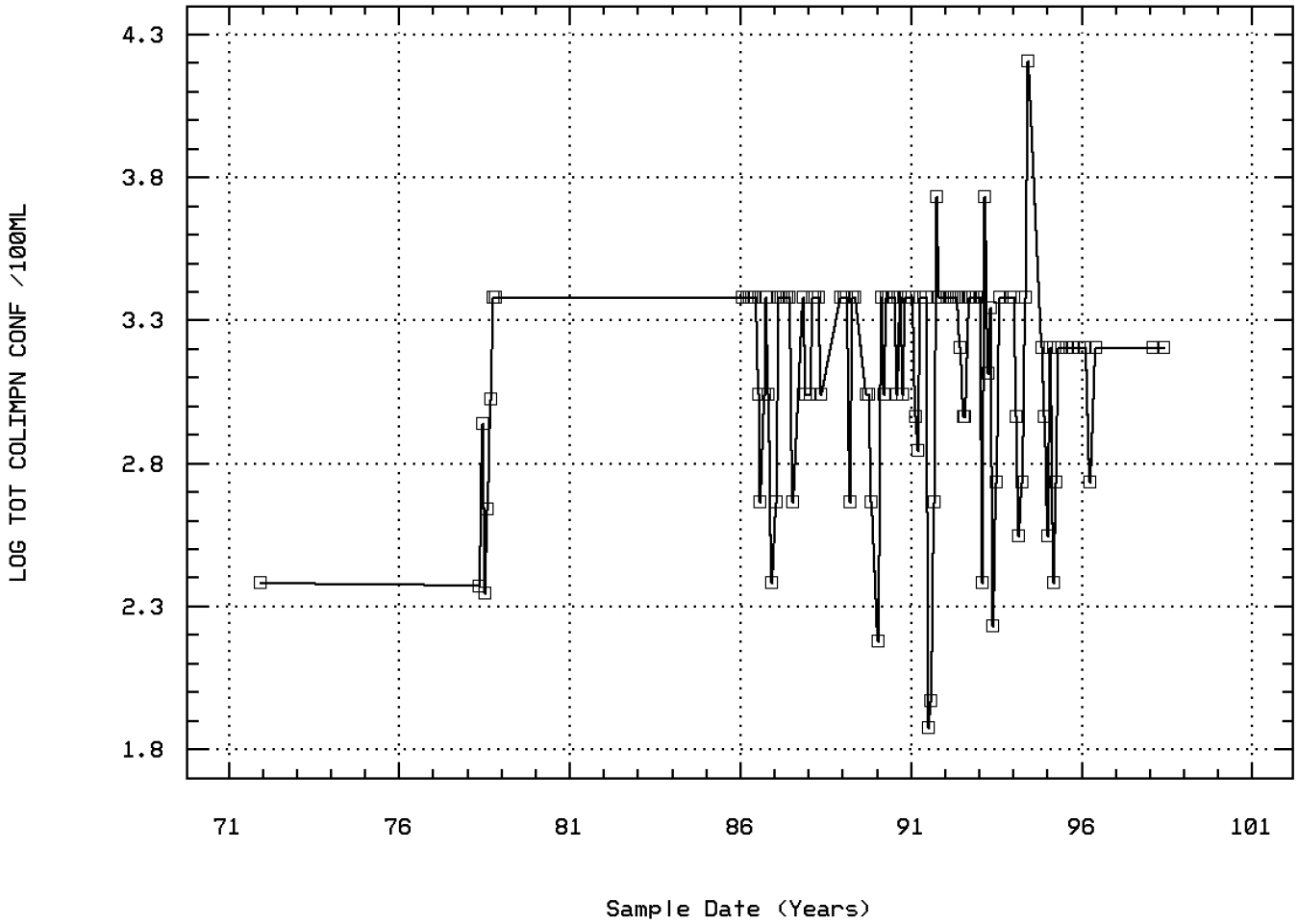
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



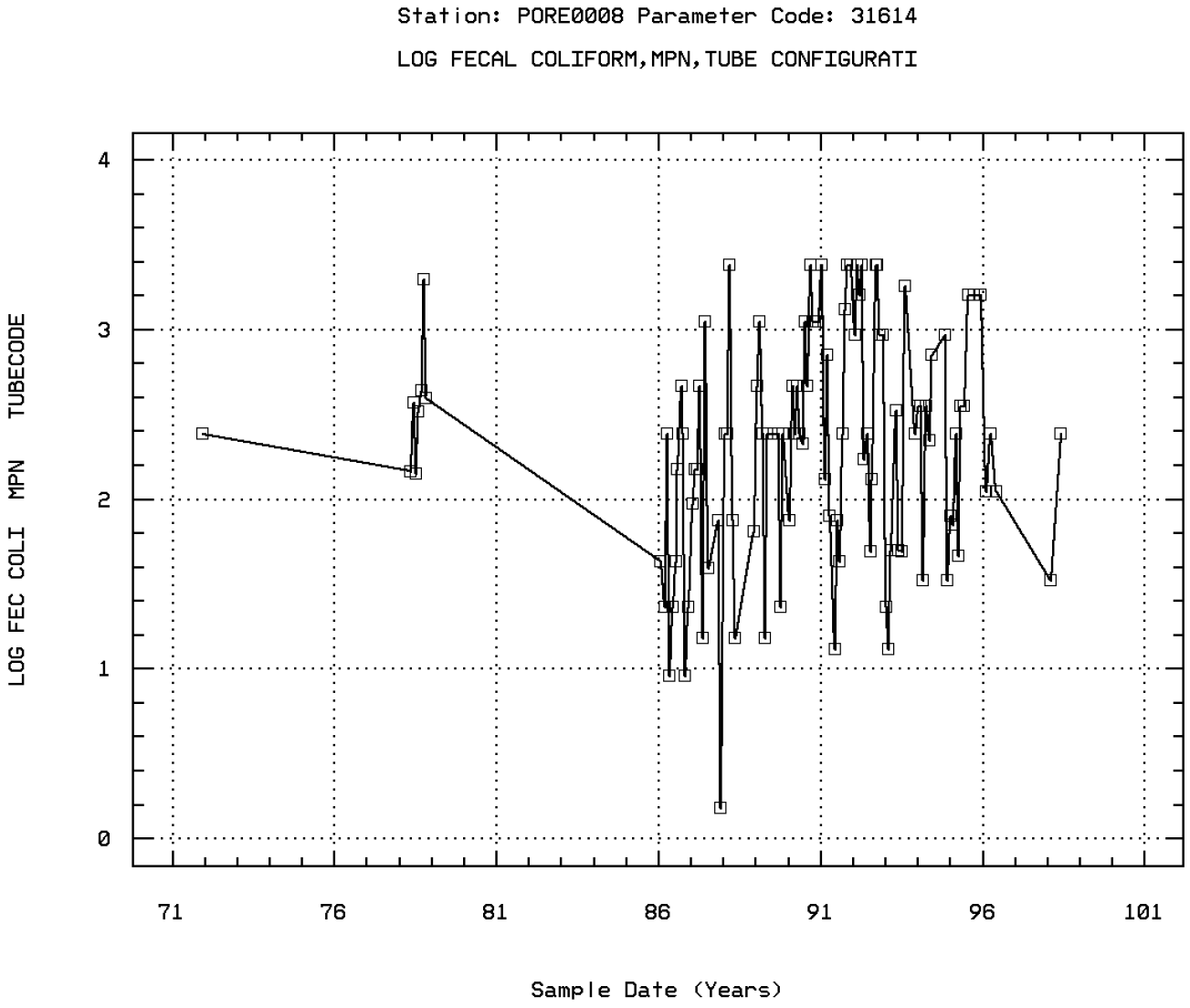
EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station: PORE0008 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Annual Analysis for 1971 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			240.								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			240.								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	7	865.	1087.	2400.	222.	899475.333	948.407	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	7	2.937	2.868	3.38	2.346	0.188	0.433	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			737.684								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	7	368.	539.571	1974.	140.	413576.952	643.099	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	7	2.566	2.559	3.295	2.146	0.147	0.383	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			361.939								

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

Annual Analysis for 1986 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	2 ##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	2 ##	0.093	0.093	0.16	0.025	0.009	0.095	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	2400.	1672.727	2400.	240.	768101.818	876.414	284.	1100.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	3.38	3.132	3.38	2.38	0.118	0.343	2.437	3.041	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1354.173								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	43.	114.818	460.	9.	20973.164	144.821	9.	23.	240.	416.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	1.633	1.715	2.663	0.954	0.354	0.595	0.954	1.362	2.38	2.606
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			51.824								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	6	0.145	0.618	3.	0.025	1.375	1.173	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	5	5.28	4.168	7.5	0.47	10.507	3.241	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	9	2400.	1824.444	2400.	460.	779477.778	882.88	460.	780.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	9	3.38	3.183	3.38	2.663	0.099	0.315	2.663	2.852	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1524.511								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	93.	231.5	1100.	1.5	125036.5	353.605	1.5	27.	305.	1100.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	1.968	1.871	3.041	0.176	0.703	0.839	0.176	1.384	2.419	3.041
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			74.38								

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

Annual Analysis for 1988 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	10	0.103	0.121	0.28	0.02	0.007	0.085	0.021	0.045	0.185	0.272
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	12	1.625	1.738	3.3	0.31	0.751	0.867	0.427	1.113	2.313	3.18
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	6	2400.	1966.667	2400.	1100.	450666.667	671.317	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	6	3.38	3.267	3.38	3.041	0.031	0.175	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1850.426								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	6	157.5	505.667	2400.	15.	870190.667	932.84	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	6	2.128	2.166	3.38	1.176	0.552	0.743	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			146.665								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	10	0.1	0.135	0.38	0.02	0.01	0.101	0.026	0.08	0.163	0.365
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	10	1.1	1.002	1.9	0.215	0.284	0.533	0.23	0.391	1.343	1.845
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	8	1750.	1590.	2400.	460.	808342.857	899.079	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	8	3.211	3.116	3.38	2.663	0.1	0.317	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1306.602								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	8	240.	319.75	1100.	15.	119261.929	345.343	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	8	2.38	2.22	3.041	1.176	0.4	0.632	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			166.093								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	21	0.08	0.115	0.5	0.	0.022	0.147	0.	0.018	0.113	0.43
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	19	1.25	1.619	7.4	0.1	2.562	1.601	0.205	0.61	2.05	2.85
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	2400.	1887.5	2400.	150.	634602.273	796.619	435.	1100.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.38	3.195	3.38	2.176	0.126	0.355	2.436	3.041	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1567.34								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	460.	745.417	2400.	75.	430179.356	655.881	115.5	240.	1100.	2010.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.663	2.708	3.38	1.875	0.178	0.422	2.009	2.38	3.041	3.279
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			510.09								

** - 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 1991 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	25	0.075	0.081	0.225	0.025	0.002	0.044	0.025	0.05	0.1	0.125
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	25	1.15	1.227	4.4	0.15	0.818	0.904	0.33	0.615	1.51	2.28
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	2400.	1786.182	5400.	75.	2442737.364	1562.926	78.6	460.	2400.	4800.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	3.38	2.995	3.732	1.875	0.373	0.611	1.894	2.663	3.38	3.662
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			989.306								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	240.	889.091	2400.	13.	1085307.491	1041.781	19.	75.	2400.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.38	2.465	3.38	1.114	0.64	0.8	1.218	1.875	3.38	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			291.677								

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

Annual Analysis for 1992 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	21	0.12	0.179	0.45	0.05	0.017	0.129	0.075	0.1	0.283	0.4
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	21	0.6	0.907	4.2	0.	0.95	0.975	0.	0.205	1.2	2.12
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	2400.	2086.667	2400.	920.	349333.333	591.044	920.	1800.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.38	3.296	3.38	2.964	0.027	0.163	2.964	3.248	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1977.575								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	920.	1212.417	2400.	49.	964140.992	981.907	73.3	187.5	2400.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.964	2.836	3.38	1.69	0.343	0.586	1.817	2.268	3.38	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			685.374								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	21	0.1	0.119	0.21	0.04	0.003	0.052	0.052	0.08	0.15	0.2
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	21	0.85	0.938	2.2	0.2	0.451	0.672	0.2	0.3	1.45	2.18
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	9	2200.	1894.444	5400.	170.	2630977.778	1622.029	170.	390.	2400.	5400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	9	3.342	3.075	3.732	2.23	0.262	0.512	2.23	2.556	3.38	3.732
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1187.726								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	50.	285.	1800.	10.	335459.25	579.188	10.	18.	285.	1800.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	1.699	1.858	3.255	1.	0.535	0.731	1.	1.238	2.449	3.255
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			72.033								

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

Annual Analysis for 1994 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	15	0.12	0.189	0.6	0.1	0.022	0.15	0.1	0.1	0.21	0.522
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	10	1.6	2.356	7.3	0.705	3.811	1.952	0.715	1.138	3.05	6.92
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	8	1260.	3141.25	16000.	350.	27606755.357	5254.213	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	8	3.084	3.172	4.204	2.544	0.261	0.511	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1484.525								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	8	350.	369.5	920.	33.	94605.143	307.579	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	8	2.544	2.353	2.964	1.519	0.303	0.55	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			225.2								

** - 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 1995 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	13	0.08	0.099	0.3	0.021	0.009	0.095	0.023	0.03	0.105	0.3
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	8	0.418	0.802	2.18	0.15	0.621	0.788	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	9	1600.	1192.222	1600.	240.	379894.444	616.356	240.	445.	1600.	1600.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	9	3.204	2.987	3.204	2.38	0.114	0.338	2.38	2.638	3.204	3.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			970.111								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	350.	659.444	1600.	46.	510256.778	714.323	46.	74.5	1600.	1600.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	2.544	2.498	3.204	1.663	0.375	0.612	1.663	1.871	3.204	3.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			315.112								

** - 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 1996 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	3	0.053	0.068	0.1	0.05	0.001	0.028	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	3	0.555	0.622	0.82	0.49	0.031	0.175	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	3	1600.	1246.667	1600.	540.	374533.333	611.991	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	3	3.204	3.047	3.204	2.732	0.074	0.272	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1113.981								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	3	110.	153.333	240.	110.	5633.333	75.056	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	3	2.041	2.154	2.38	2.041	0.038	0.196	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			142.67								

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

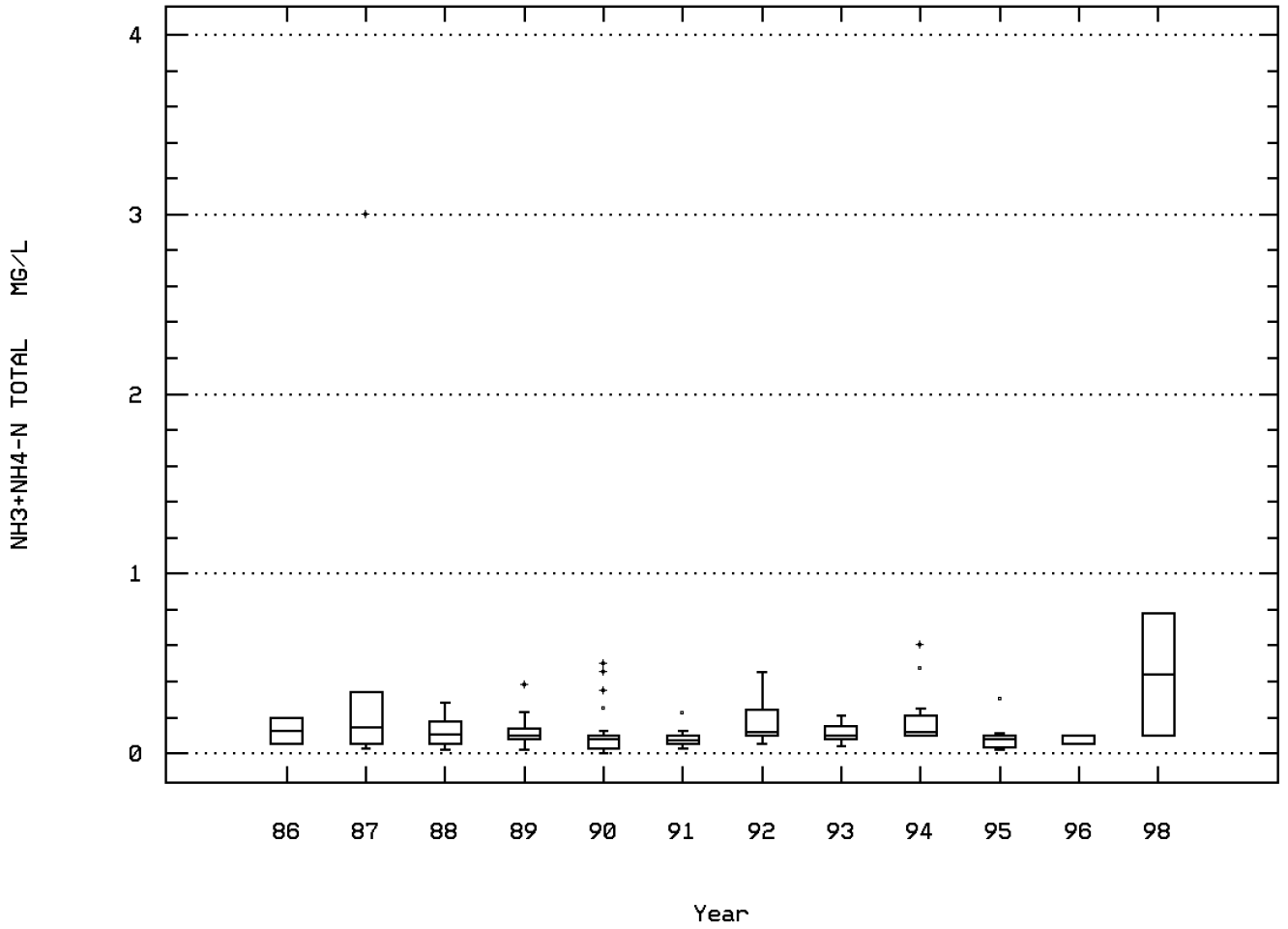
Annual Analysis for 1998 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	2 ##	0.44	0.44	0.78	0.1	0.231	0.481	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	2	0.75	0.75	0.77	0.73	0.001	0.028	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	2	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	2	3.204	3.204	3.204	3.204	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1600.								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	136.5	136.5	240.	33.	21424.5	146.371	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	1.949	1.949	2.38	1.519	0.371	0.609	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			88.994								

** - Less than 9 observations ## - Computed 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: PORE0008 Parameter Code: 00610

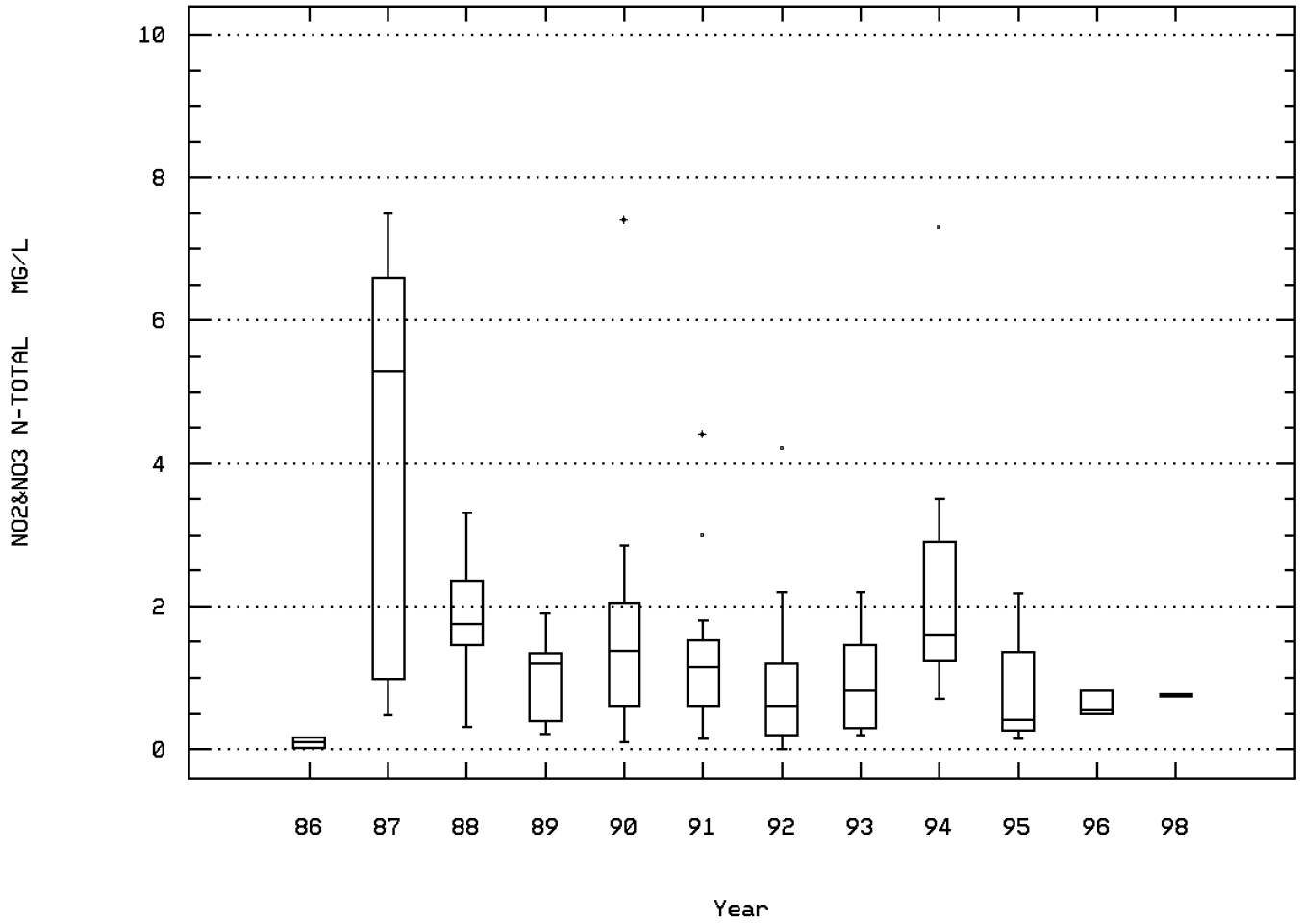
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station: PORE0008 Parameter Code: 00630

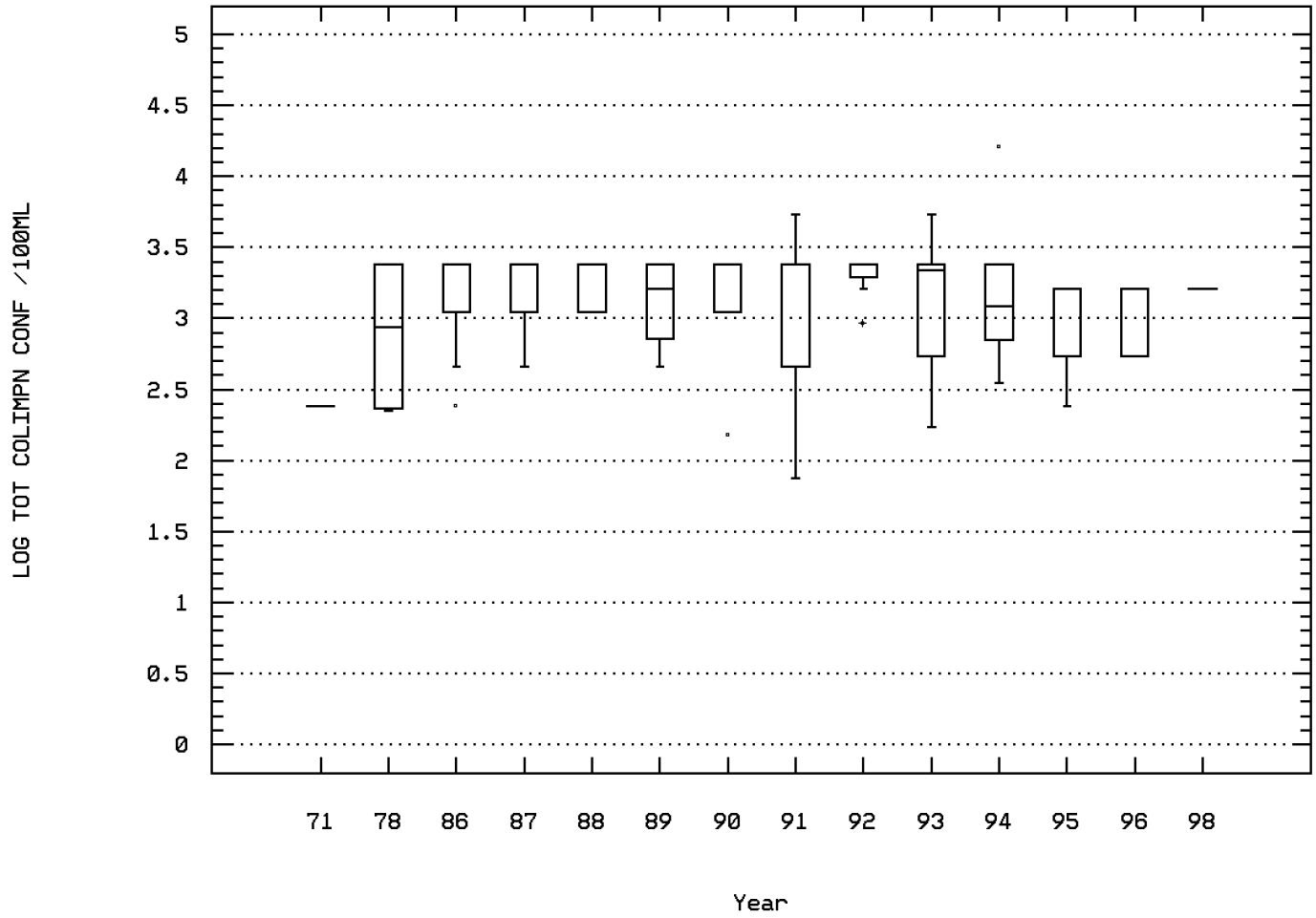
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station: PORE0008 Parameter Code: 31505

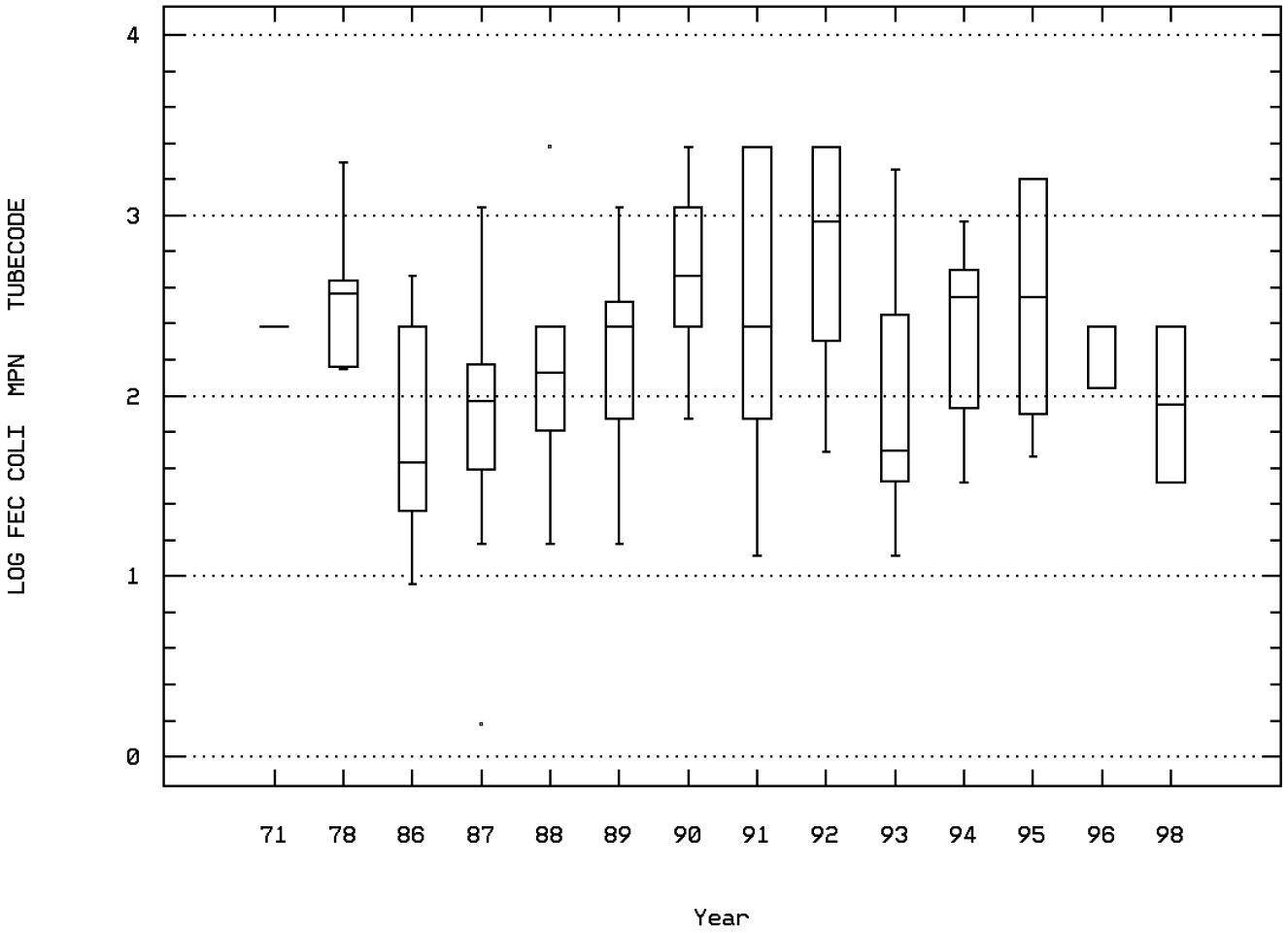
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station: PORE0008 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	46	0.1	0.195	3.	0.	0.2	0.447	0.025	0.05	0.163	0.401
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	45	1.03	1.471	7.5	0.	2.54	1.594	0.206	0.385	1.69	3.66
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	38	1350.	1859.816	16000.	75.	6606937.614	2570.396	216.8	783.75	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	38	3.123	3.059	4.204	1.875	0.205	0.453	2.335	2.886	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1146.735								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	38	240.	637.263	2400.	13.	575963.713	758.923	37.4	68.75	1100.	2016.6
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	38	2.38	2.424	3.38	1.114	0.422	0.65	1.568	1.831	3.041	3.304
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			265.528								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	8 ##	0.025	0.022	0.025	0.01	0.	0.006	**	**	**	**

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	36	0.1	0.146	0.45	0.021	0.012	0.112	0.029	0.08	0.18	0.358
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	30	1.1	1.375	5.28	0.15	1.	1.	0.33	0.645	1.95	2.2
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	21	2400.	1733.81	2400.	240.	741384.762	861.037	262.	1010.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	21	3.38	3.142	3.38	2.38	0.124	0.353	2.413	3.003	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1387.151								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	21	240.	625.262	2400.	1.5	564856.99	751.57	11.8	48.5	1010.	2240.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	21	2.38	2.294	3.38	0.176	0.751	0.867	1.036	1.662	3.003	3.345
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			196.68								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	3 ##	0.025	0.021	0.025	0.013	0.	0.007	**	**	**	**

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

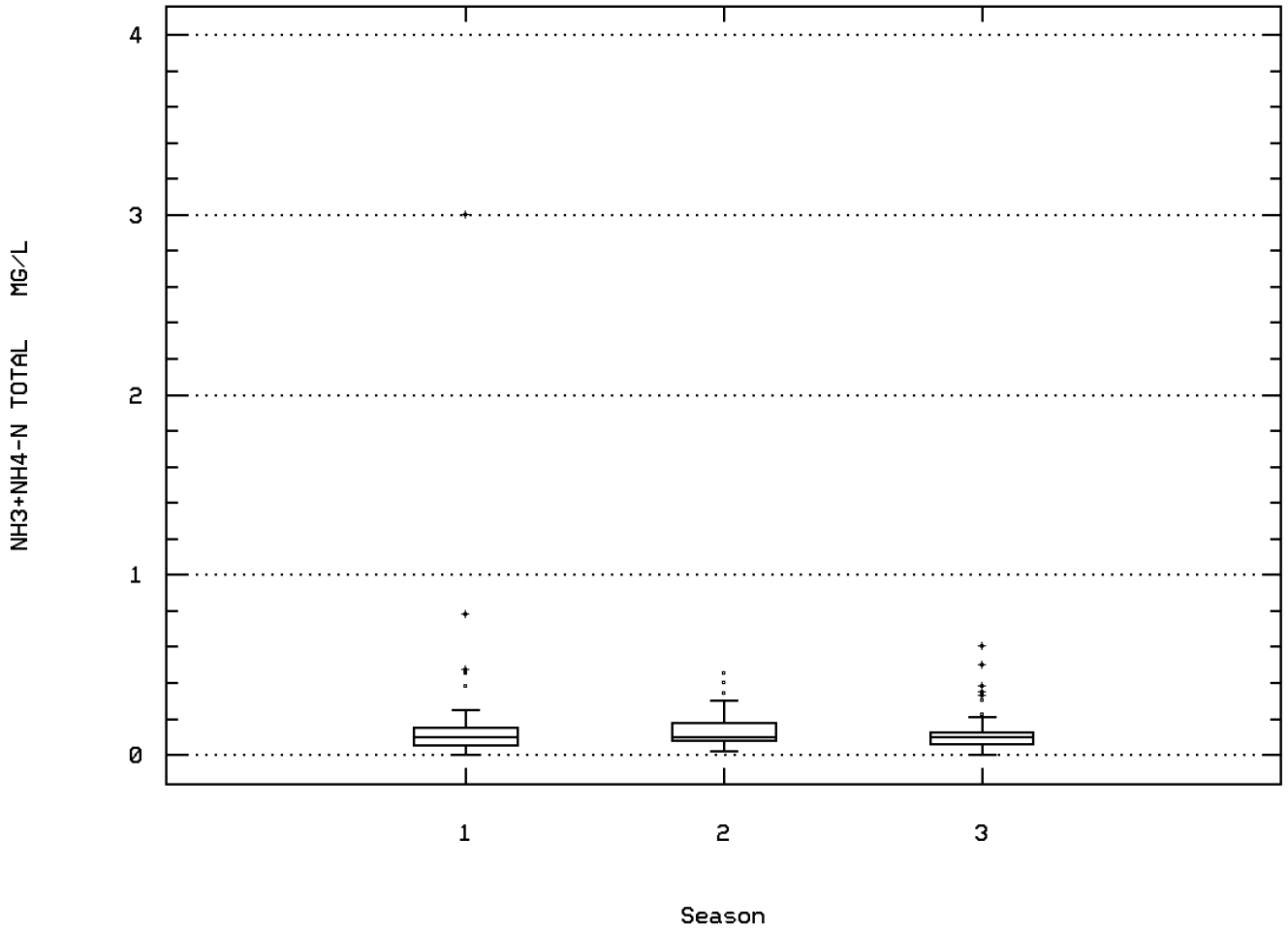
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	67	0.1	0.122	0.6	0.	0.011	0.107	0.029	0.06	0.125	0.24
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	63	0.99	1.238	7.4	0.	1.827	1.352	0.2	0.45	1.5	2.38
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	49	2400.	1781.51	5400.	150.	991679.255	995.831	350.	920.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	49	3.38	3.146	3.732	2.176	0.127	0.356	2.544	2.964	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1399.987								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	49	240.	430.041	2400.	9.	440402.957	663.629	15.	60.	405.	1600.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	49	2.38	2.214	3.38	0.954	0.421	0.649	1.176	1.772	2.603	3.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			163.731								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	9 ##	0.025	0.027	0.054	0.013	0.	0.011	0.013	0.025	0.025	0.054

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

Station: PORE0008 Parameter Code: 00610

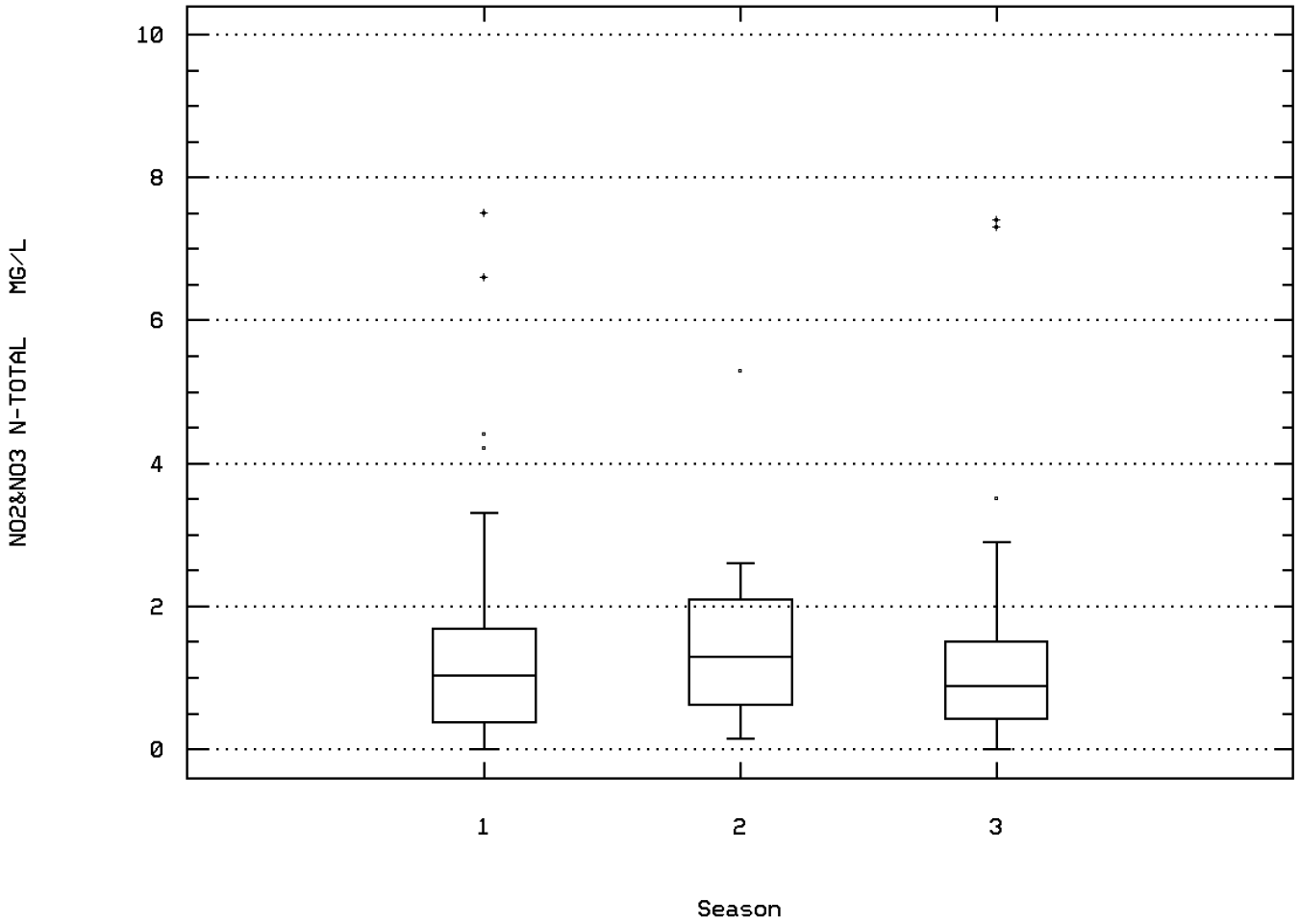
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station: PORE0008 Parameter Code: 00630

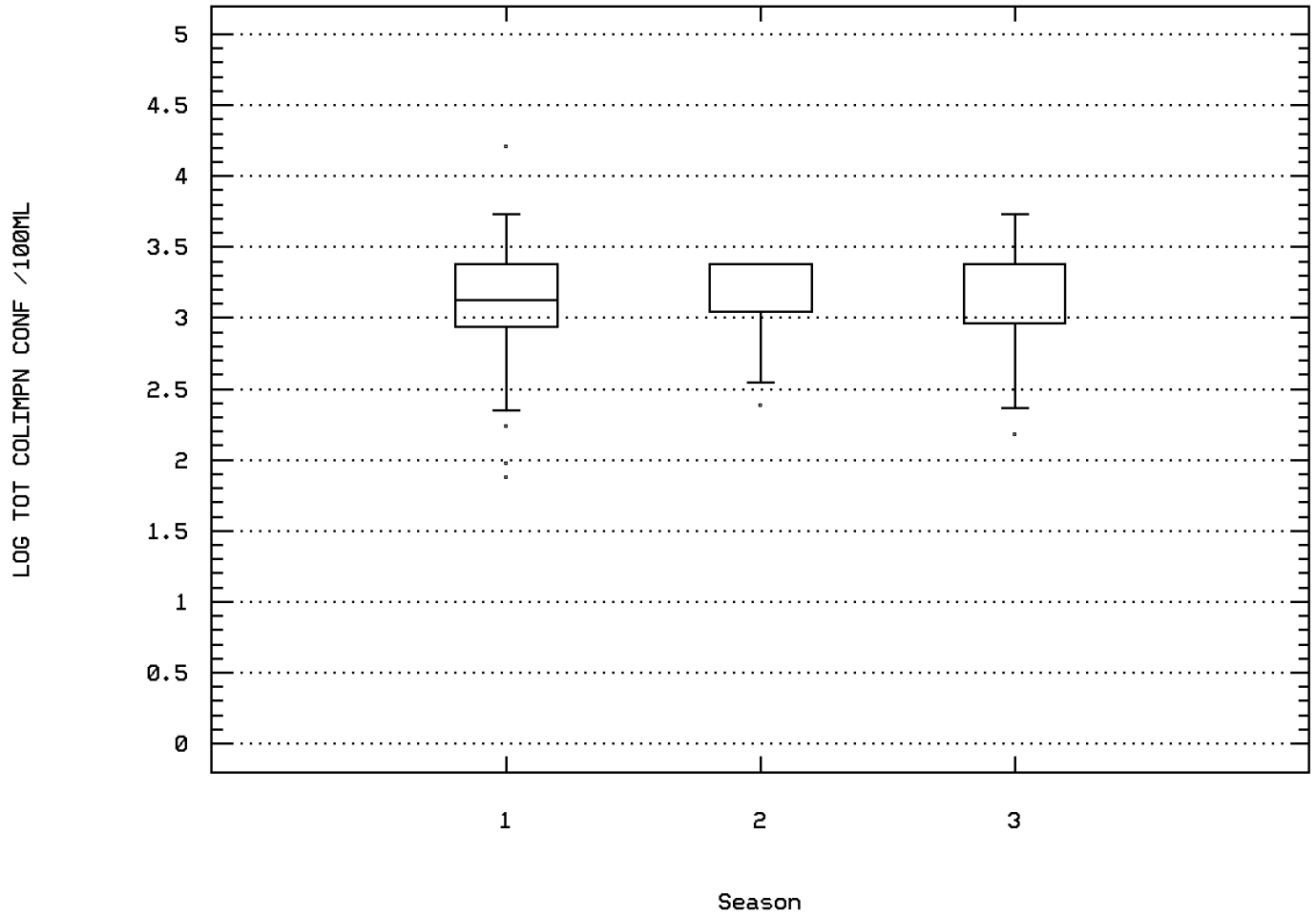
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station: PORE0008 Parameter Code: 31505

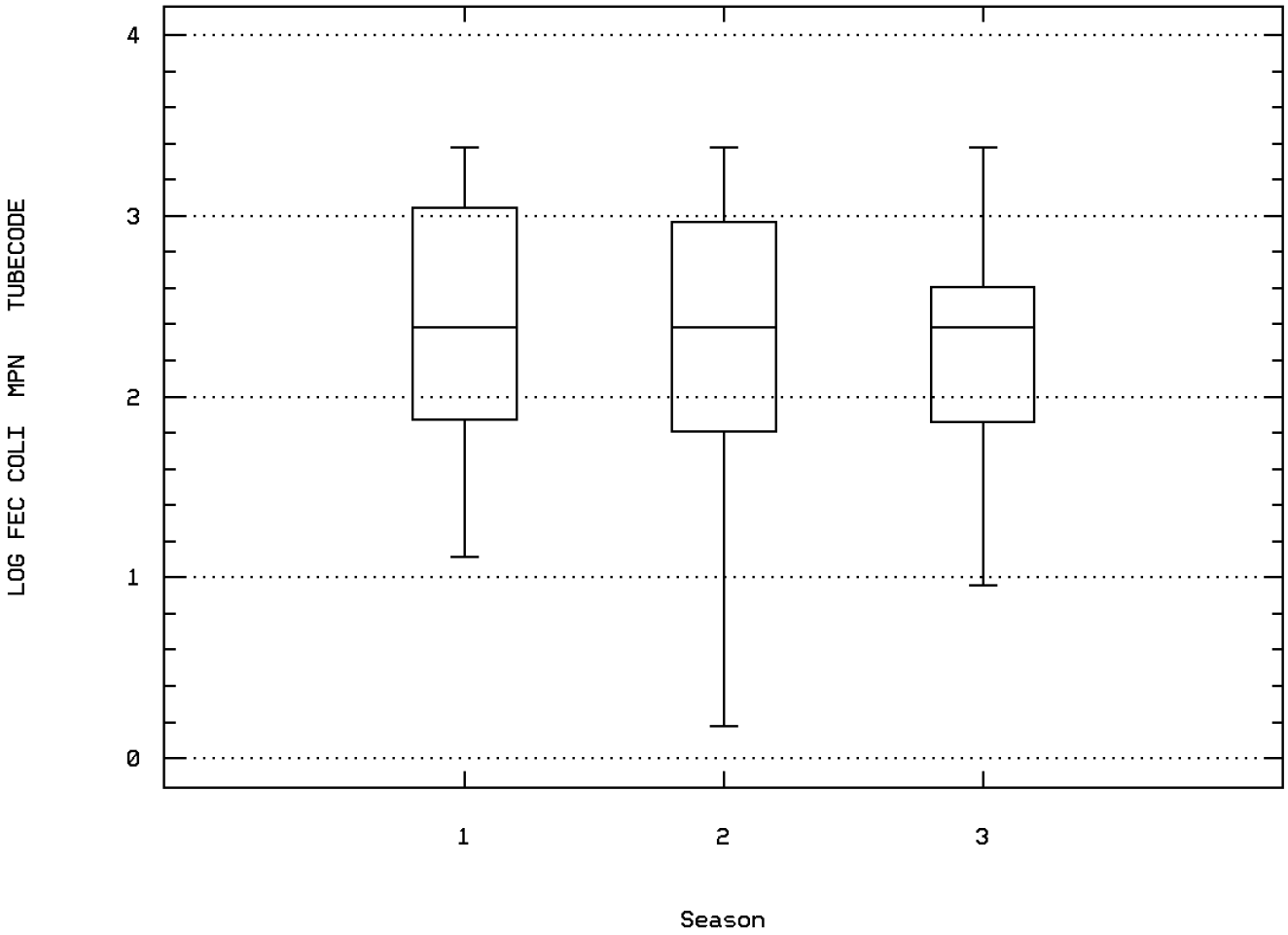
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station: PORE0008 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



EASKOOT CREEK DOWNSTREAM OF PARKSIDE RE

Station Inventory for Station: PORE0009

NPS Station ID: PORE0009 LAT/LON: 37.899911/-122.635847 Agency: 11NPSWRD Date Created: 04/03/99
Location: LAUREL CREEK UPSTREAM OF STINSON BEACH CHURCH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_SBWD_S2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LAUREL CREEK UPSTREAM OF THE STINSON BEACH CHURCH AND COMMUNITY CENTER. THIS SITE IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	171	0.08	0.133	3.6	0.	0.096	0.31	0.02	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	9	0.6	0.66	1.5	0.02	0.245	0.495	0.02	0.185	1.05	1.5
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/94-06/02/98	3	0.64	0.633	0.7	0.56	0.005	0.07	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	160	0.94	1.368	12.97	0.	3.048	1.746	0.251	0.5	1.5	2.73
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	129	540.	1045.581	2400.	29.	809597.245	899.776	121.	240.	1747.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	129	2.732	2.776	3.38	1.462	0.281	0.53	2.083	2.38	3.241	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			597.101								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	129	93.	297.686	2400.	1.5	289444.512	538.	17.	43.	240.	920.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	129	1.968	1.982	3.38	0.176	0.467	0.683	1.23	1.633	2.38	2.964
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			95.892								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	23 ##	0.025	0.025	0.083	0.01	0.	0.014	0.013	0.025	0.025	0.026

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

EPA Water Quality Criteria Analysis for Station: PORE0009

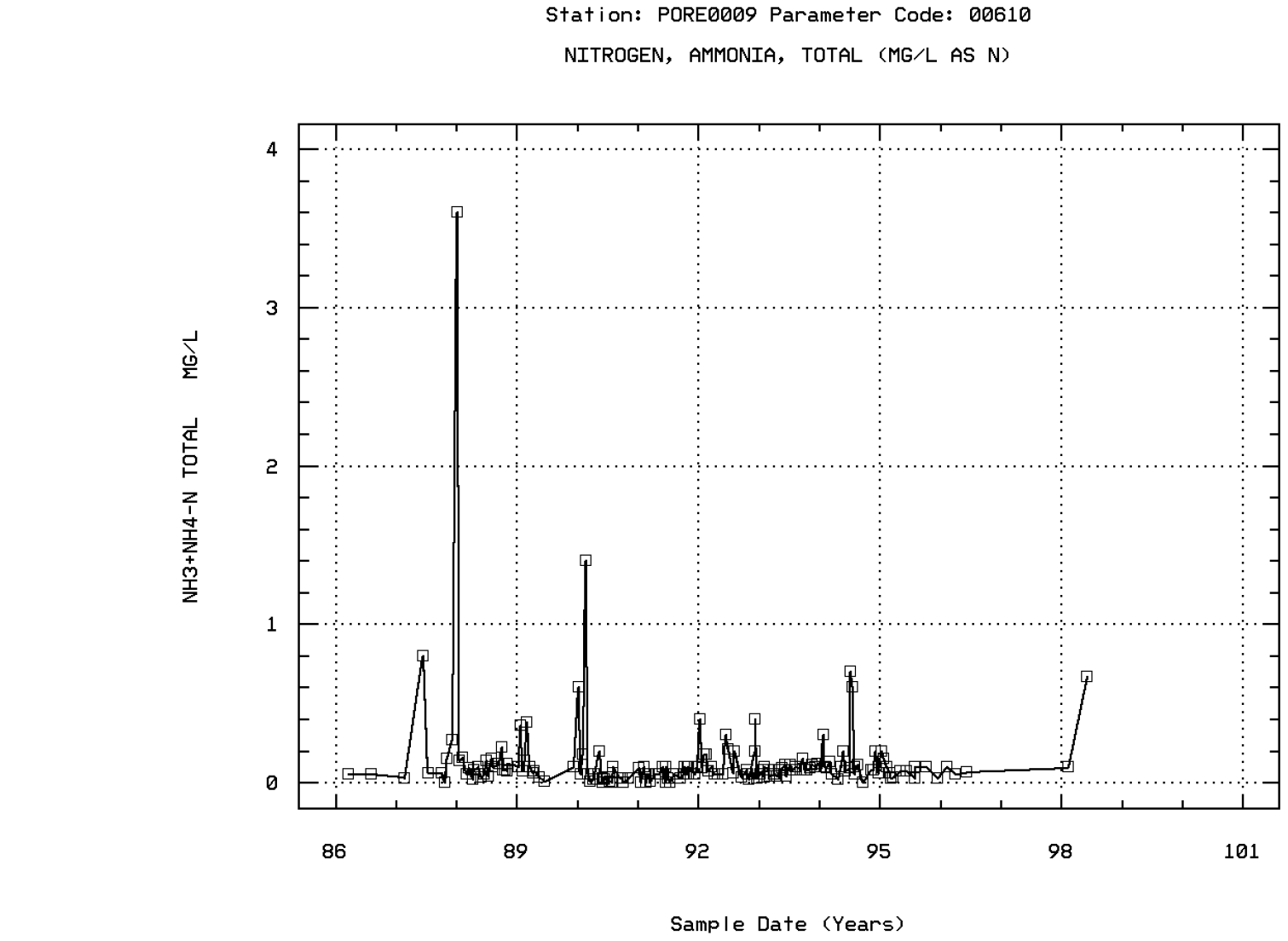
				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	2	0.22	1	0	0.00	5	2	0.40	3	0	0.00			

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

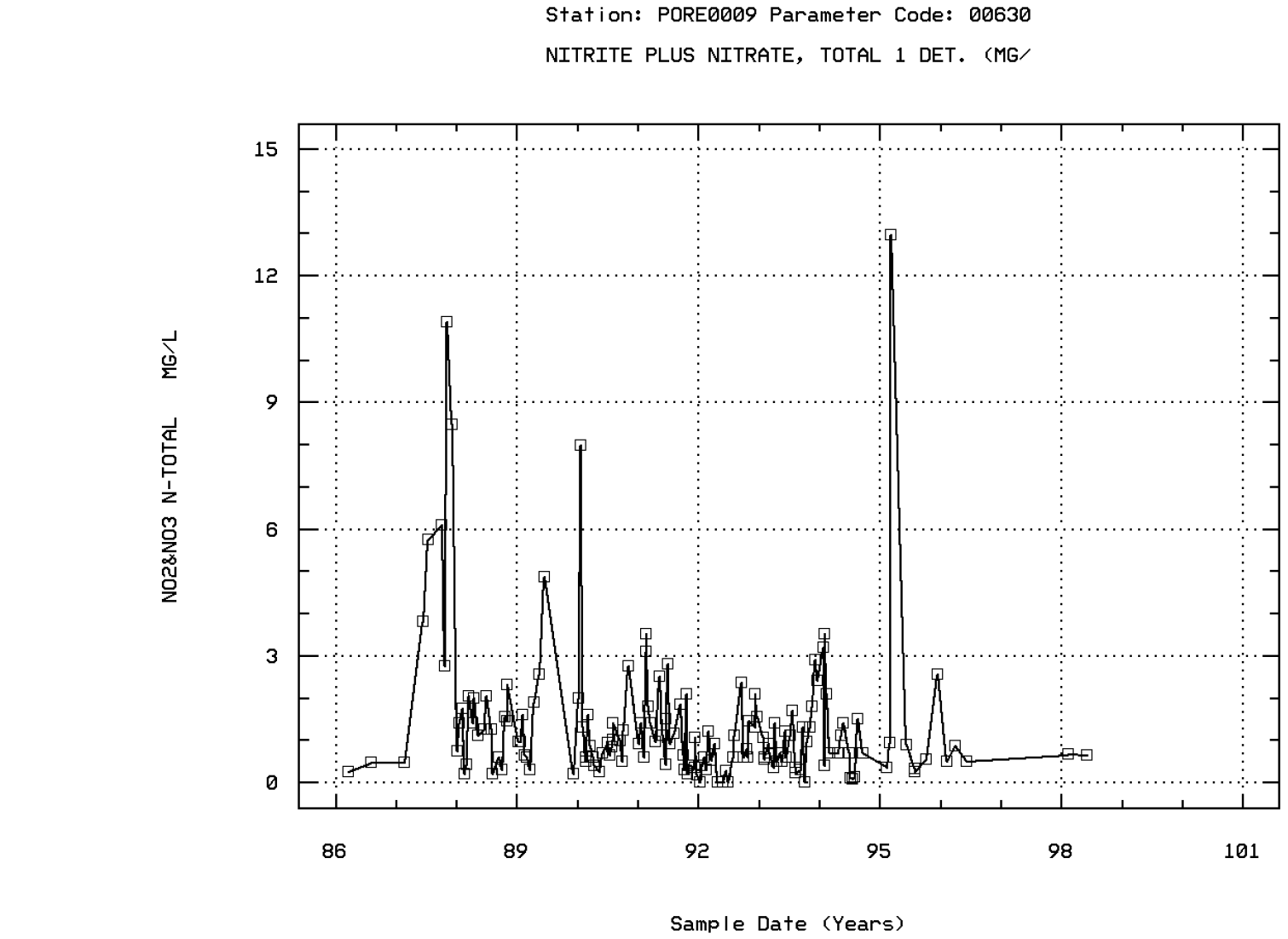
EPA Water Quality Criteria Analysis for Station: PORE0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	160	2	0.01	62	0	0.00	34	1	0.03	64	1	0.02			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	129	58	0.45	52	24	0.46	23	8	0.35	54	26	0.48			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	129	43	0.33	52	15	0.29	23	11	0.48	54	17	0.31			

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



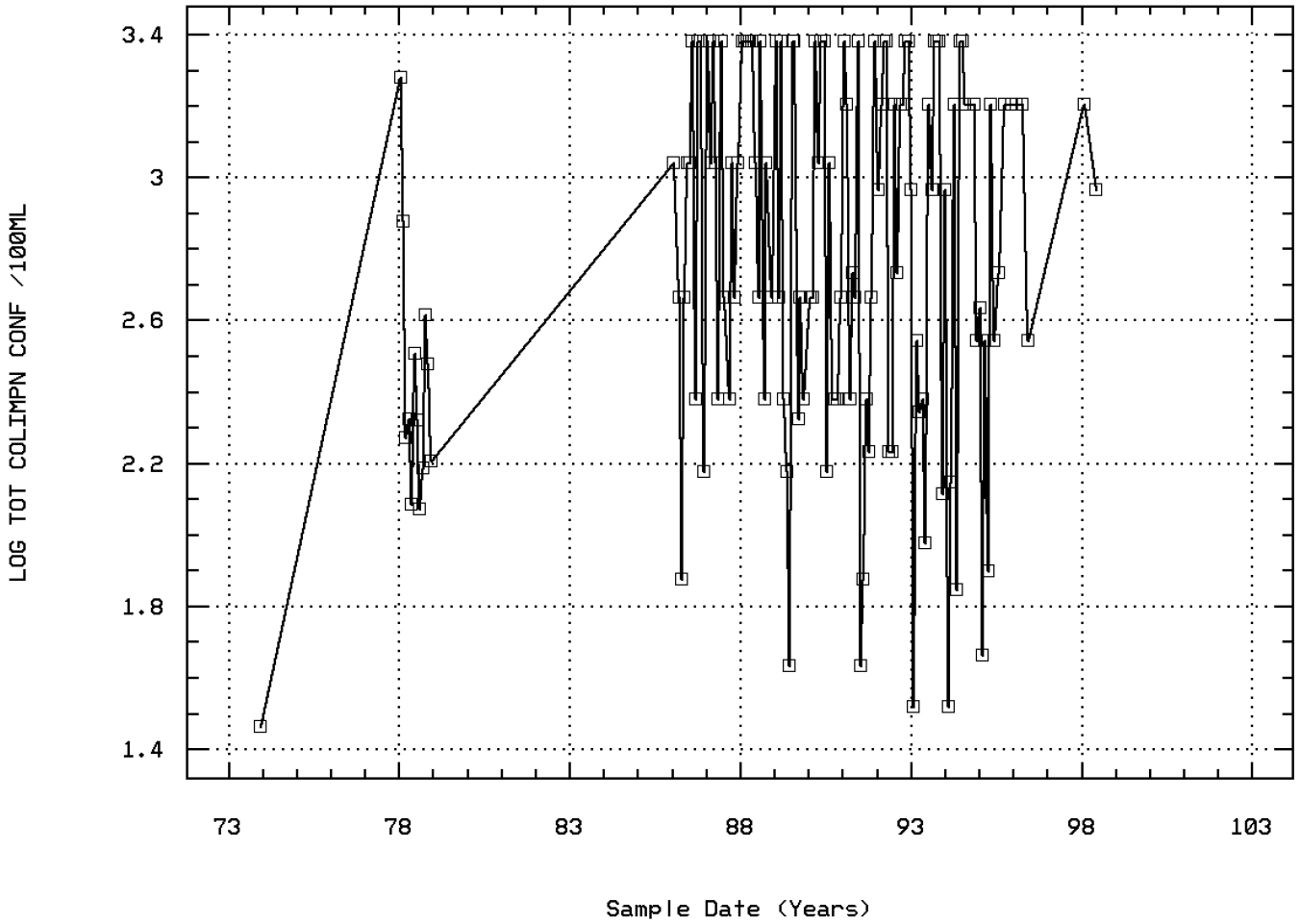
EASKOOT CREEK UPSTREAM OF STINSON BEACH



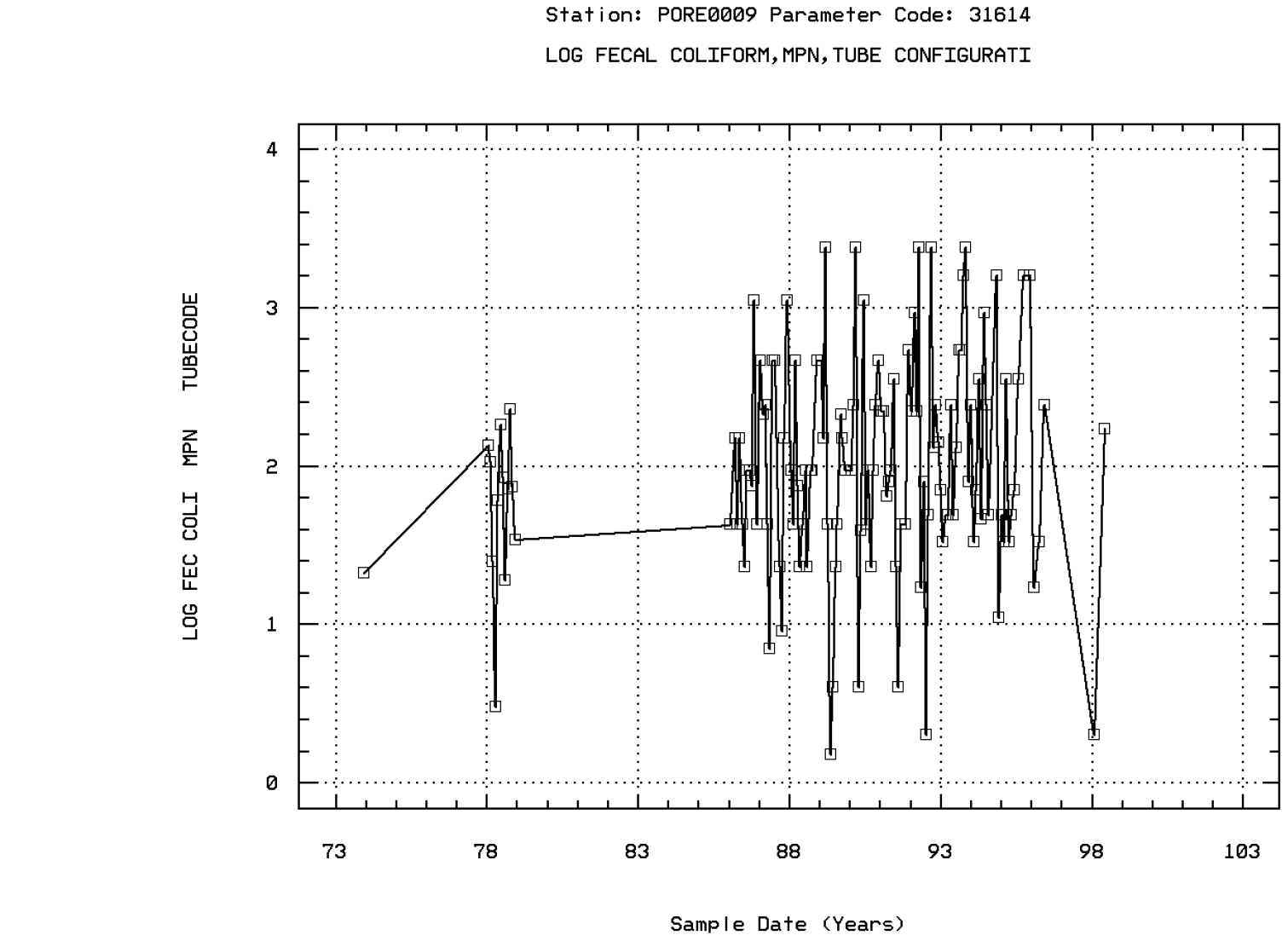
EASKOOT CREEK UPSTREAM OF STINSON BEACH

Station: PORE0009 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK UPSTREAM OF STINSON BEACH



EASKOOT CREEK UPSTREAM OF STINSON BEACH

Annual Analysis for 1973 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	1	29.	29.	29.	29.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	1	1.462	1.462	1.462	1.462	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			29.								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	1	21.	21.	21.	21.	0.	0.	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	1	1.322	1.322	1.322	1.322	0.	0.	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			21.								

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

Annual Analysis for 1978 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	210.	403.25	1894.	118.	251408.205	501.406	118.9	155.	390.	1551.4
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	2.322	2.435	3.277	2.072	0.124	0.352	2.075	2.19	2.589	3.157
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			271.966								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	72.	84.833	228.	3.	4619.242	67.965	7.8	27.25	127.5	213.9
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	1.857	1.739	2.358	0.477	0.265	0.515	0.718	1.431	2.103	2.328
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			54.843								

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

Annual Analysis for 1986 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	2	0.365	0.365	0.48	0.25	0.026	0.163	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	1100.	1080.455	2400.	75.	857772.273	926.16	90.	240.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	3.041	2.82	3.38	1.875	0.264	0.514	1.935	2.38	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			660.927								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	75.	168.727	1100.	23.	97269.018	311.88	27.	43.	150.	910.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	1.875	1.918	3.041	1.362	0.204	0.451	1.416	1.633	2.176	2.868
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			82.85								

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

Annual Analysis for 1987 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	7	0.06	0.195	0.8	0.	0.08	0.282	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	7	5.75	5.461	10.9	0.46	12.371	3.517	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	1100.	1181.818	2400.	240.	729476.364	854.094	240.	460.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	3.041	2.945	3.38	2.38	0.14	0.375	2.38	2.663	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			880.522								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	210.	287.455	1100.	7.	106257.673	325.972	7.4	23.	460.	972.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	2.322	2.064	3.041	0.845	0.561	0.749	0.867	1.362	2.663	2.966
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			115.847								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	20	0.095	0.272	3.6	0.02	0.616	0.785	0.031	0.055	0.14	0.214
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	19	1.25	1.212	2.3	0.2	0.438	0.662	0.205	0.6	1.75	2.05
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	2400.	1614.545	2400.	240.	878647.273	937.362	284.	460.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	3.38	3.097	3.38	2.38	0.138	0.371	2.437	2.663	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1250.987								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	93.	136.273	460.	23.	26390.418	162.451	23.	43.	93.	460.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	1.968	1.915	2.663	1.362	0.19	0.436	1.362	1.633	1.968	2.663
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			82.223								

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

Annual Analysis for 1989 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	11	0.1	0.129	0.38	0.01	0.015	0.124	0.014	0.06	0.14	0.376
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	11	0.95	1.413	4.85	0.21	1.794	1.339	0.225	0.6	1.9	4.39
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	460.	1036.636	2400.	43.	1182608.455	1087.478	64.4	210.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	2.663	2.704	3.38	1.633	0.361	0.601	1.742	2.322	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			505.249								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	93.	325.227	2400.	1.5	491009.368	700.721	2.	23.	210.	2012.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	1.968	1.827	3.38	0.176	0.814	0.902	0.261	1.362	2.322	3.237
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			67.082								

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

Annual Analysis for 1990 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	21	0.025	0.137	1.4	0.	0.101	0.318	0.	0.015	0.08	0.52
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	21	0.93	1.336	7.99	0.245	2.662	1.632	0.42	0.595	1.35	2.6
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	460.	970.833	2400.	150.	838171.97	915.517	177.	240.	2075.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	2.663	2.794	3.38	2.176	0.191	0.437	2.237	2.38	3.296	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			622.35								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	93.	402.333	2400.	4.	489472.424	699.623	9.7	40.	405.	2010.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	1.968	2.078	3.38	0.602	0.574	0.757	0.83	1.602	2.592	3.279
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			119.733								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	25	0.05	0.054	0.1	0.	0.001	0.036	0.	0.025	0.1	0.1
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	25	1.05	1.284	3.5	0.18	0.856	0.925	0.26	0.505	1.825	2.92
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	460.	919.	2400.	43.	961058.364	980.336	52.6	187.5	2200.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	2.663	2.659	3.38	1.633	0.352	0.593	1.706	2.268	3.336	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			455.518								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	71.5	140.75	540.	4.	26954.75	164.179	5.8	28.	220.	483.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	1.852	1.822	2.732	0.602	0.397	0.63	0.721	1.43	2.342	2.676
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			66.378								

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

Annual Analysis for 1992 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	20	0.085	0.137	0.4	0.02	0.014	0.118	0.025	0.05	0.2	0.39
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	21	0.6	0.793	2.35	0.	0.453	0.673	0.	0.29	1.25	1.99
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	1600.	1483.333	2400.	170.	733860.606	856.657	170.	635.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	3.204	3.041	3.38	2.23	0.18	0.424	2.23	2.79	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1099.513								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	180.	568.083	2400.	2.	790328.265	889.004	6.5	56.5	750.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	2.244	2.181	3.38	0.301	0.759	0.871	0.58	1.742	2.818	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			151.607								

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Annual Analysis for 1993 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	25	0.08	0.082	0.15	0.03	0.001	0.03	0.04	0.05	0.1	0.114
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	25	0.9	0.974	2.9	0.	0.468	0.684	0.268	0.5	1.3	2.04
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	635.	975.667	2400.	33.	942291.697	970.717	51.6	152.5	2200.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	2.754	2.679	3.38	1.519	0.39	0.625	1.656	2.171	3.336	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			477.64								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	104.5	481.583	2400.	33.	564914.811	751.608	37.8	49.	540.	2160.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	2.006	2.24	3.38	1.519	0.405	0.636	1.57	1.69	2.732	3.327
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			173.617								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	22	0.1	0.151	0.7	0.	0.03	0.174	0.029	0.068	0.148	0.51
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	16	0.85	1.143	3.5	0.08	1.037	1.018	0.087	0.464	1.475	3.29
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	10	1260.	1111.3	2400.	33.	871623.567	933.608	36.7	122.5	1800.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	10	3.084	2.739	3.38	1.519	0.467	0.683	1.551	2.071	3.248	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			548.325								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	10	155.	355.9	1600.	11.	265342.1	515.114	13.2	42.75	492.5	1532.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	10	2.113	2.123	3.204	1.041	0.466	0.683	1.089	1.627	2.649	3.18
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			132.75								

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

Annual Analysis for 1995 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	13	0.07	0.082	0.2	0.025	0.003	0.052	0.026	0.029	0.1	0.18
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	8	0.71	2.348	12.97	0.255	18.979	4.357	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	9	430.	732.778	1600.	46.	447148.444	668.692	46.	214.5	1600.	1600.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	9	2.633	2.625	3.204	1.663	0.311	0.557	1.663	2.221	3.204	3.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			421.885								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	9	70.	459.333	1600.	33.	434749.5	659.355	33.	41.	975.	1600.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	9	1.845	2.195	3.204	1.519	0.478	0.692	1.519	1.604	2.874	3.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			156.831								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	3	0.063	0.072	0.1	0.052	0.001	0.025	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	3	0.505	0.622	0.87	0.49	0.046	0.215	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	3	1600.	1183.333	1600.	350.	520833.333	721.688	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	3	3.204	2.984	3.204	2.544	0.145	0.381	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			964.057								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	3	33.	96.667	240.	17.	15472.333	124.388	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	3	1.519	1.71	2.38	1.23	0.358	0.598	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			51.254								

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

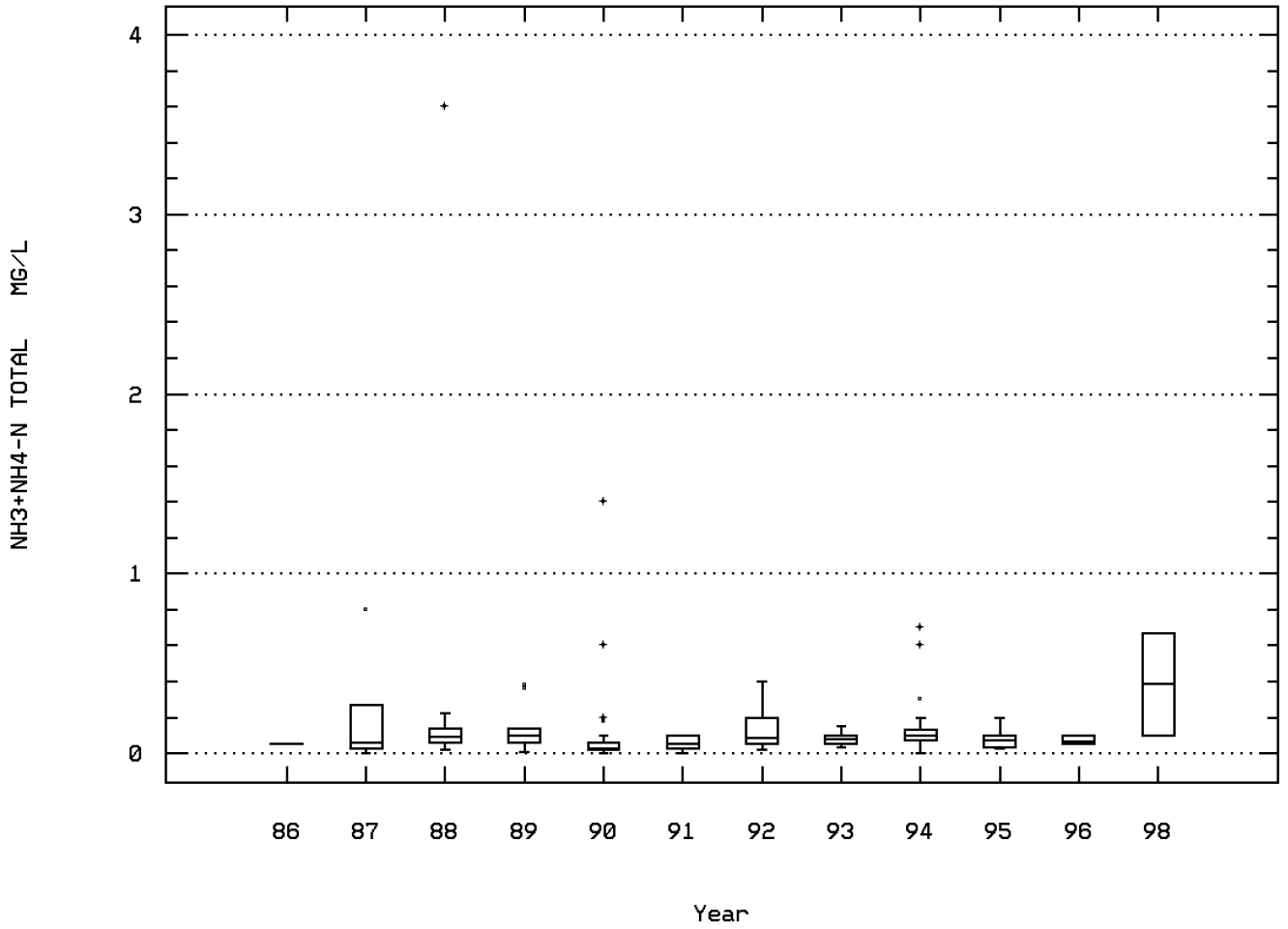
Annual Analysis for 1998 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	2 ##	0.385	0.385	0.67	0.1	0.162	0.403	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	2	0.645	0.645	0.66	0.63	0.	0.021	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	2	1260.	1260.	1600.	920.	231200.	480.833	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	2	3.084	3.084	3.204	2.964	0.029	0.17	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1213.26								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	2	86.	86.	170.	2.	14112.	118.794	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	2	1.266	1.266	2.23	0.301	1.861	1.364	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			18.439								

** - Less than 9 observations ## - Computed 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: PORE0009 Parameter Code: 00610

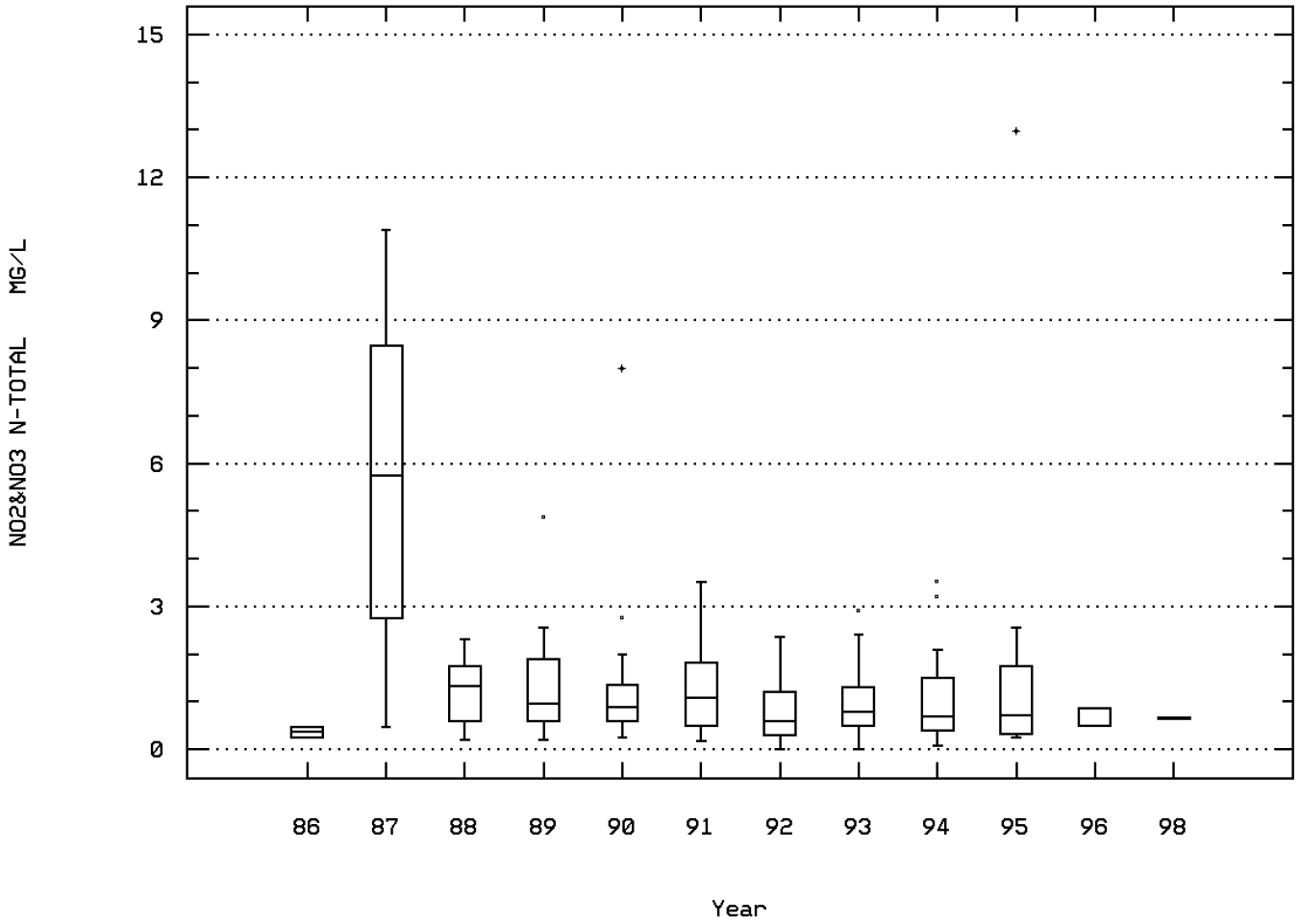
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK UPSTREAM OF STINSON BEACH

Station: PORE0009 Parameter Code: 00630

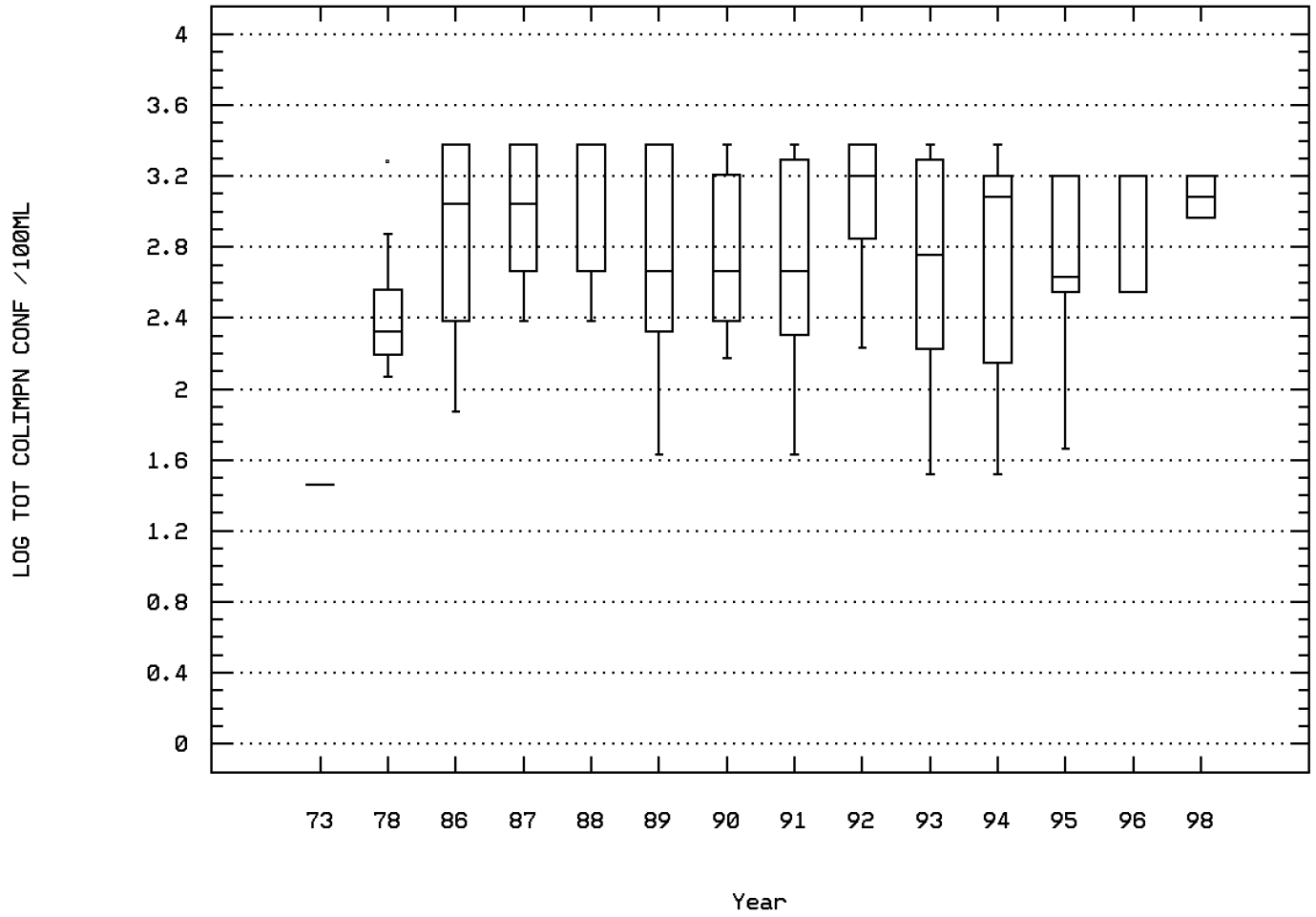
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



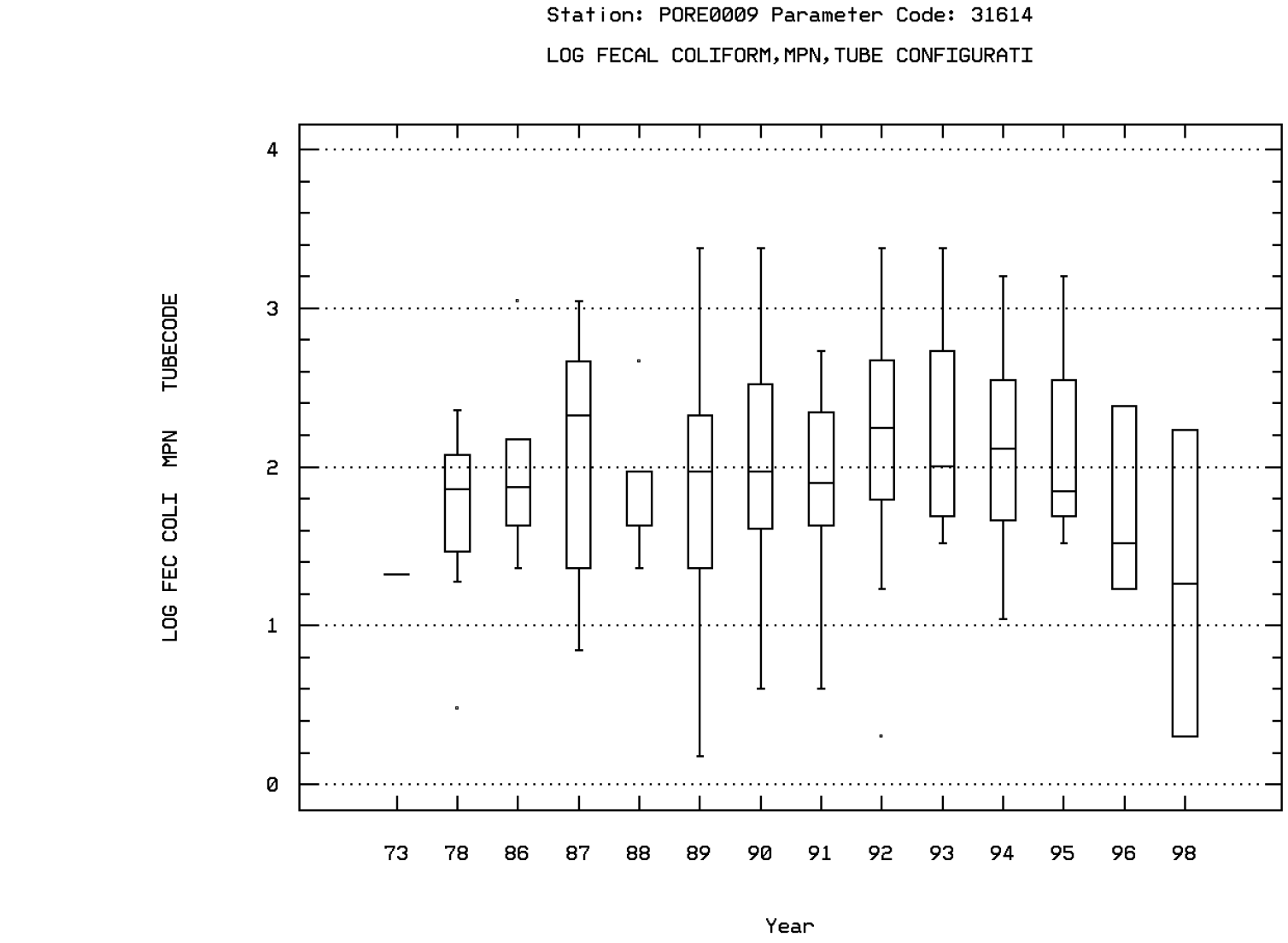
EASKOOT CREEK UPSTREAM OF STINSON BEACH

Station: PORE0009 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK UPSTREAM OF STINSON BEACH



EASKOOT CREEK UPSTREAM OF STINSON BEACH

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	65	0.07	0.114	0.8	0.	0.026	0.162	0.006	0.03	0.105	0.214
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	62	0.765	1.104	6.08	0.	1.507	1.228	0.156	0.403	1.25	2.26
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	52	730.	1030.962	2400.	43.	793508.312	890.791	127.6	240.	1600.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	52	2.848	2.78	3.38	1.633	0.263	0.513	2.103	2.38	3.204	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			602.66								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	52	93.	261.096	2400.	2.	217289.187	466.143	12.7	43.	237.	806.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	52	1.968	1.949	3.38	0.301	0.447	0.669	1.084	1.633	2.375	2.894
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			88.825								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	10 ##	0.025	0.022	0.027	0.01	0.	0.006	0.01	0.022	0.025	0.026

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	39	0.09	0.21	3.6	0.	0.324	0.57	0.025	0.05	0.12	0.4
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	34	1.3	1.823	10.9	0.	4.727	2.174	0.205	0.788	2.15	2.83
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	23	460.	956.913	2400.	29.	781211.992	883.862	138.	240.	1600.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	23	2.663	2.752	3.38	1.462	0.259	0.509	2.139	2.38	3.204	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			565.287								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	23	150.	468.957	2400.	11.	418385.043	646.827	26.2	49.	540.	1600.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	23	2.176	2.253	3.38	1.041	0.428	0.654	1.406	1.69	2.732	3.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			179.056								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	2 ##	0.019	0.019	0.025	0.013	0.	0.009	**	**	**	**

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

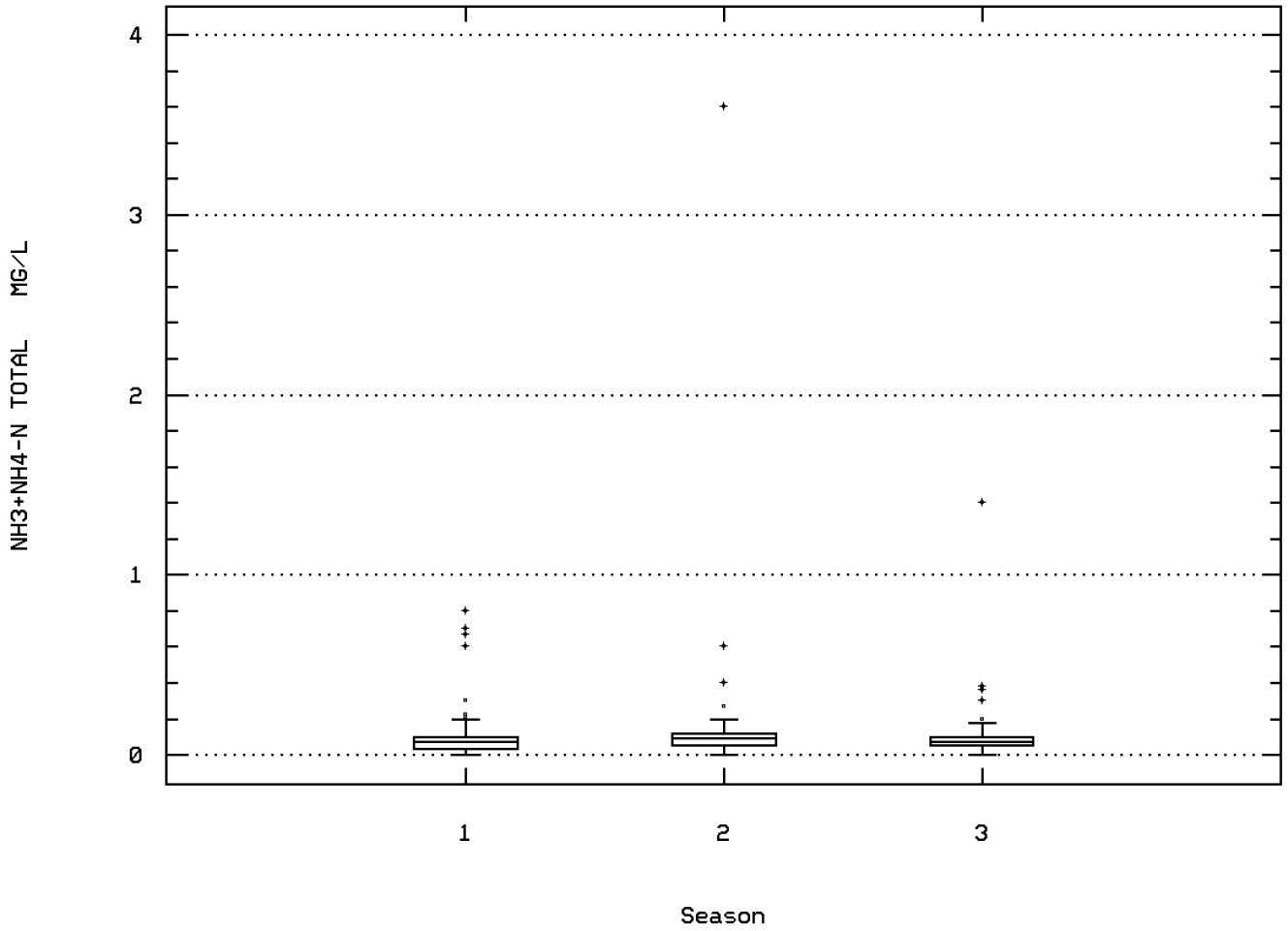
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	67	0.07	0.106	1.4	0.	0.031	0.176	0.02	0.05	0.1	0.175
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	64	0.885	1.383	12.97	0.	3.577	1.891	0.318	0.509	1.55	2.825
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	54	836.	1097.426	2400.	33.	861052.325	927.929	77.	235.	2400.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	54	2.92	2.782	3.38	1.519	0.317	0.563	1.886	2.371	3.38	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			605.76								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	54	72.5	259.972	2400.	1.5	300784.551	548.438	12.	33.	220.	460.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	54	1.86	1.898	3.38	0.176	0.48	0.693	1.038	1.519	2.342	2.663
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			79.119								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	11 ##	0.025	0.028	0.083	0.013	0.	0.019	0.013	0.025	0.025	0.071

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

Station: PORE0009 Parameter Code: 00610

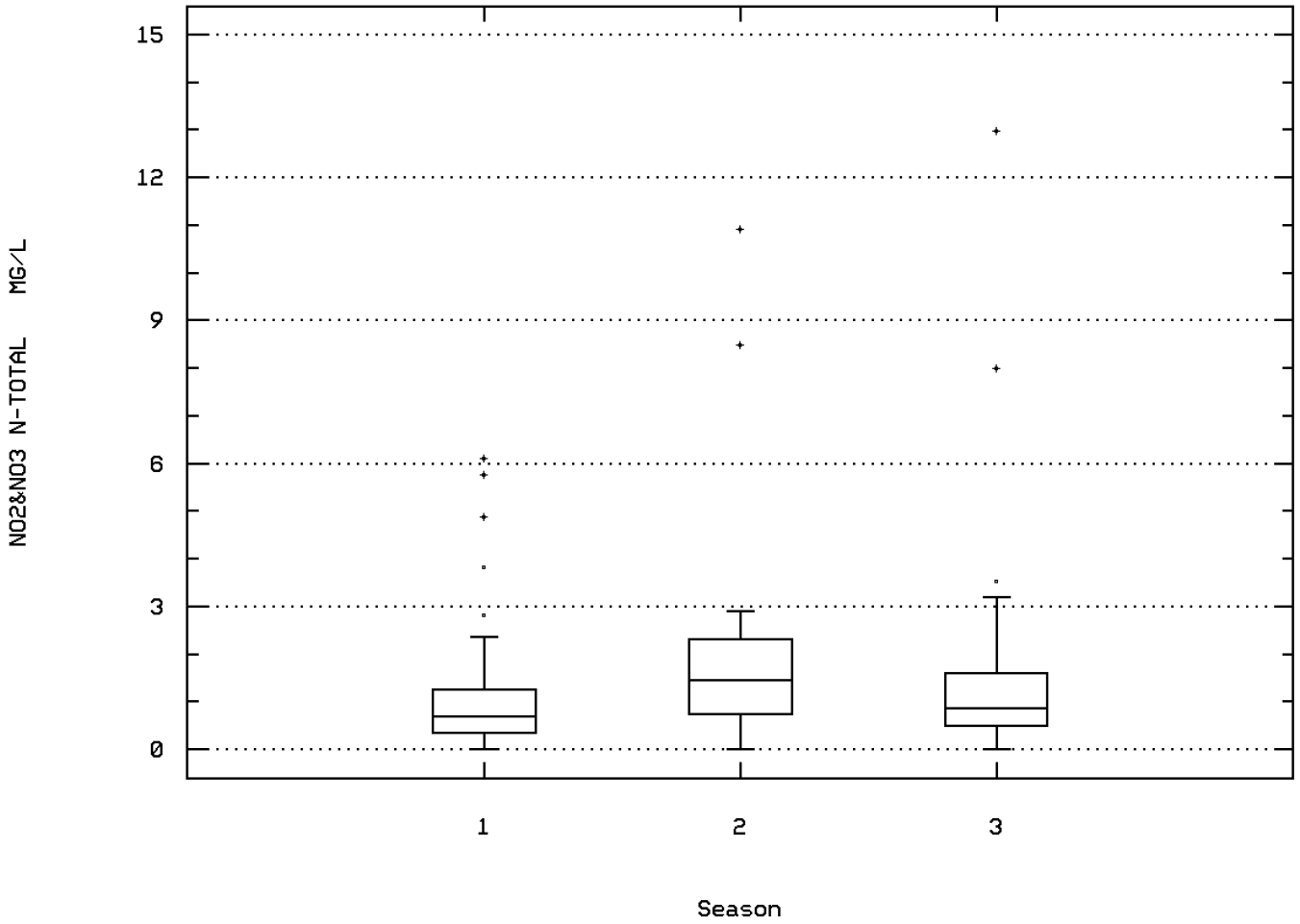
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK UPSTREAM OF STINSON BEACH

Station: PORE0009 Parameter Code: 00630

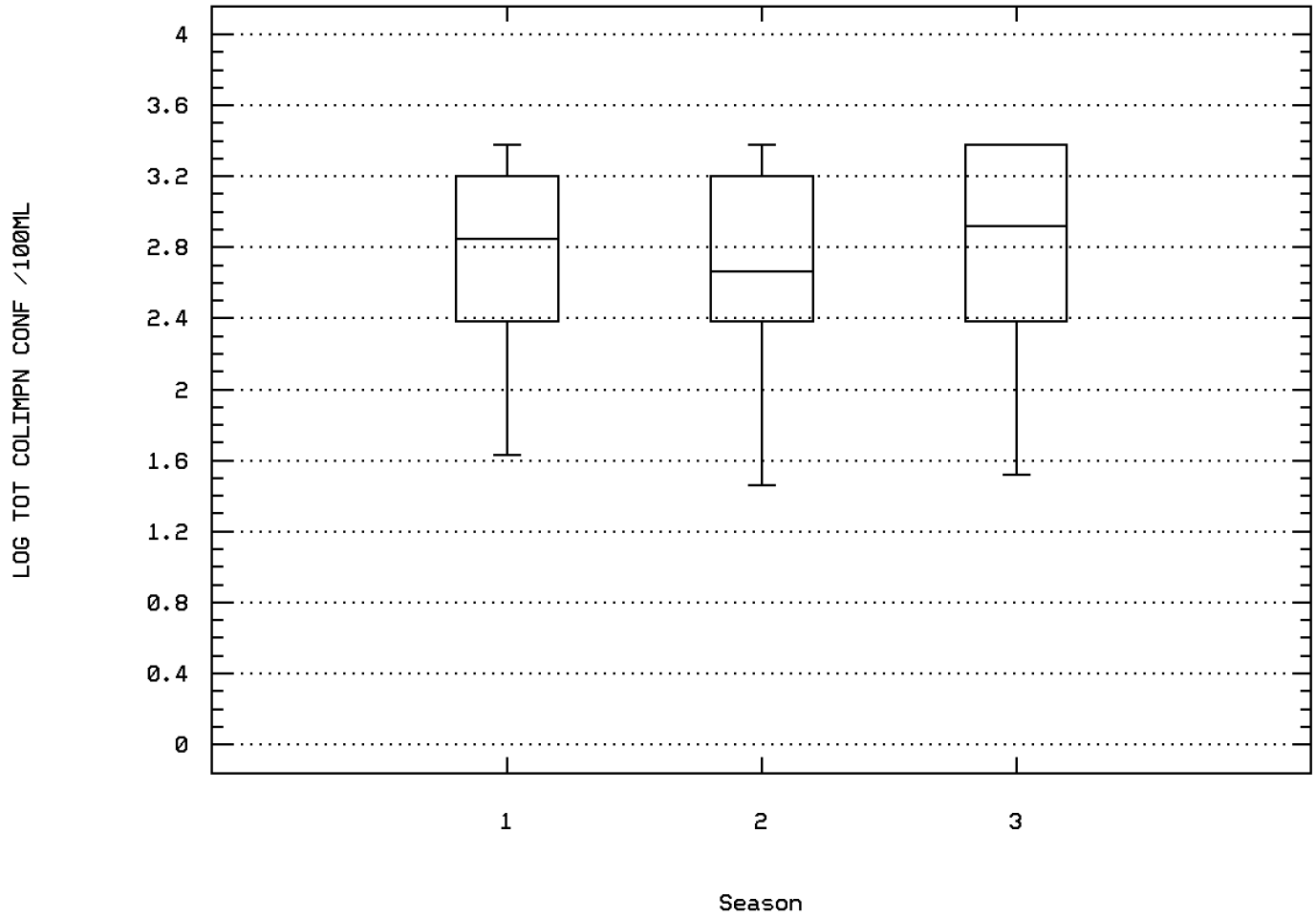
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



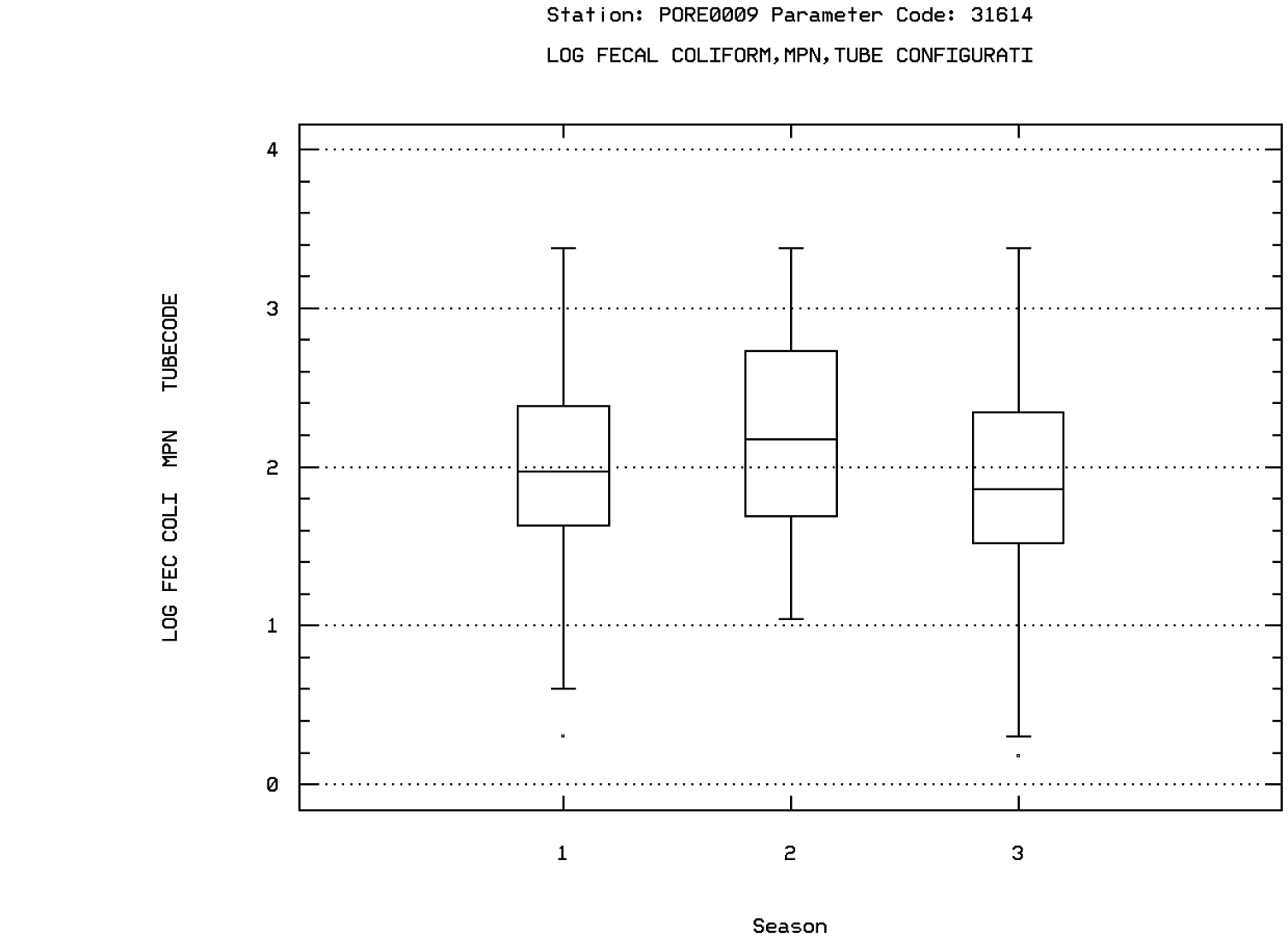
EASKOOT CREEK UPSTREAM OF STINSON BEACH

Station: PORE0009 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK UPSTREAM OF STINSON BEACH



EASKOOT CREEK UPSTREAM OF STINSON BEACH

Station Inventory for Station: PORE0010

NPS Station ID: PORE0010 LAT/LON: 37.902004/-122.644559 Agency: 11NPSWRD Date Created: 04/03/99
Location: EASKOOT CREEK AT CALLE DEL ARROYO & HWY 1 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_SBWD_S5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT EASKOOT CREEK AT THE INTERSECTION OF CALLE DEL ARROYO AND HIGHWAY 1. THIS SITE IS OUTSIDE THE BOUNDARY OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	173	0.12	0.266	3.	0.	0.188	0.434	0.05	0.09	0.228	0.58
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	9	0.75	0.611	1.5	0.	0.385	0.62	0.	0.015	1.2	1.5
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/94-06/02/98	3	0.62	0.74	1.1	0.5	0.101	0.317	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	161	1.	1.417	22.2	0.	4.588	2.142	0.246	0.6	1.525	2.69
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	131	4600.	8104.466	24000.	23.	62384683.697	7898.398	818.	2400.	13369.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	131	3.663	3.648	4.38	1.362	0.3	0.547	2.912	3.38	4.126	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4447.702								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	132	430.	2191.299	16000.	1.5	16910441.11	4112.231	75.	230.	2400.	8060.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	132	2.633	2.748	4.204	0.176	0.546	0.739	1.875	2.362	3.38	3.894
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			559.645								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	23 ##	0.025	0.027	0.1	0.01	0.	0.018	0.013	0.025	0.025	0.044

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

EPA Water Quality Criteria Analysis for Station: PORE0010

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------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.	9	2	0.22	1	0	0.00	5	2	0.40	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

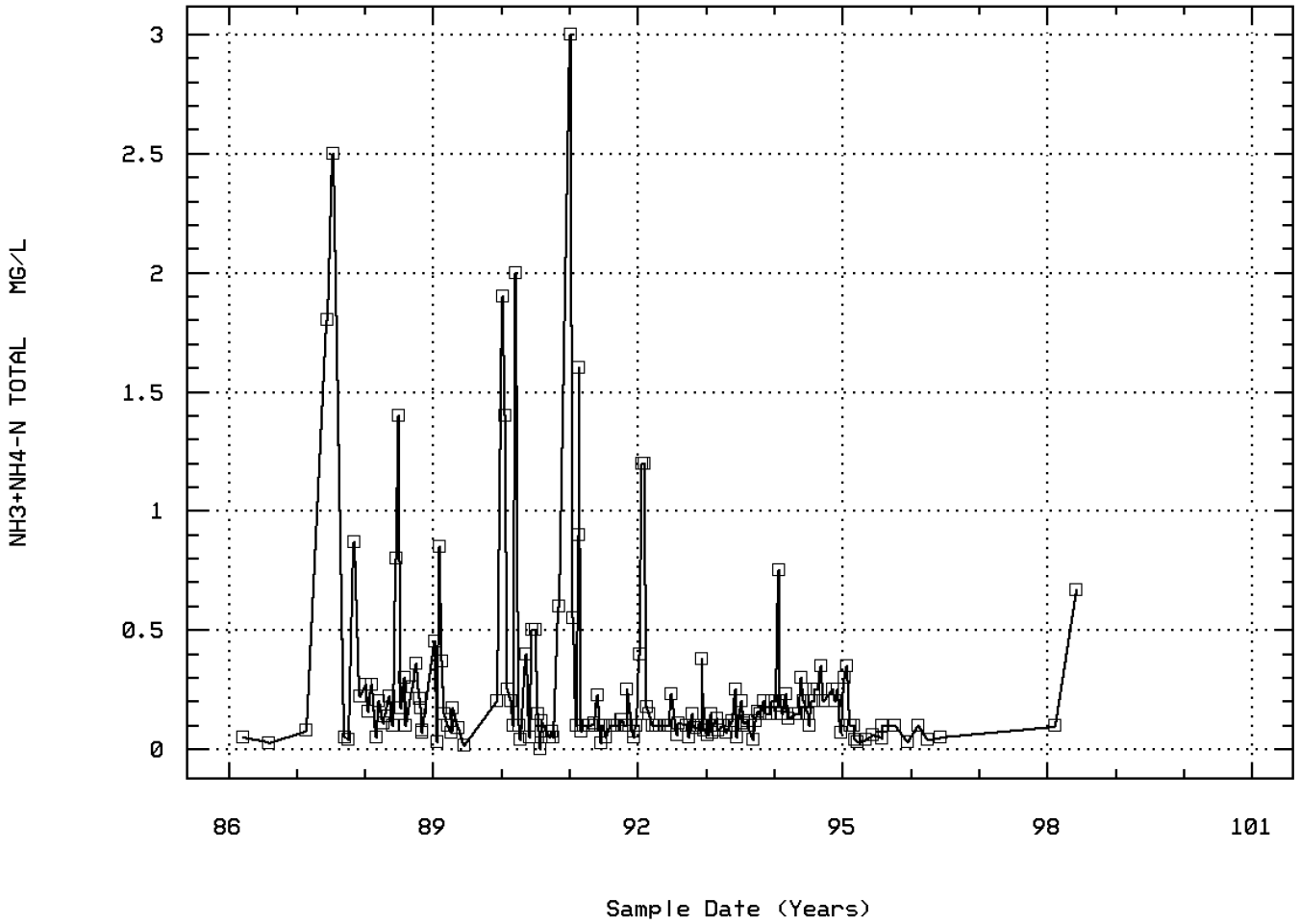
EPA Water Quality Criteria Analysis for Station: PORE0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	161	2	0.01	65	0	0.00	33	1	0.03	63	1	0.02			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	131	115	0.88	54	50	0.93	23	20	0.87	54	45	0.83			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	132	102	0.77	54	45	0.83	24	20	0.83	54	37	0.69			

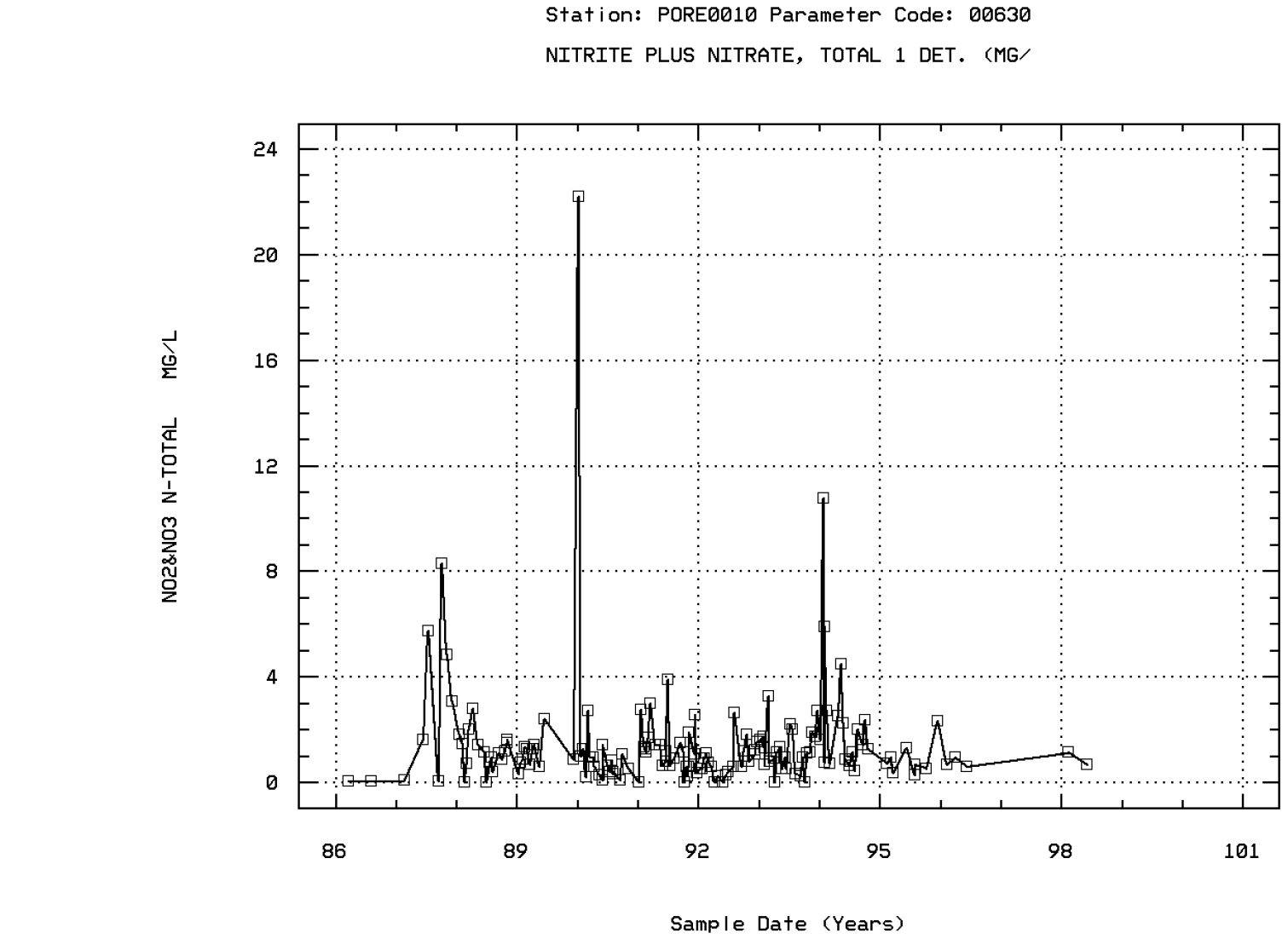
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: PORE0010 Parameter Code: 00610

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



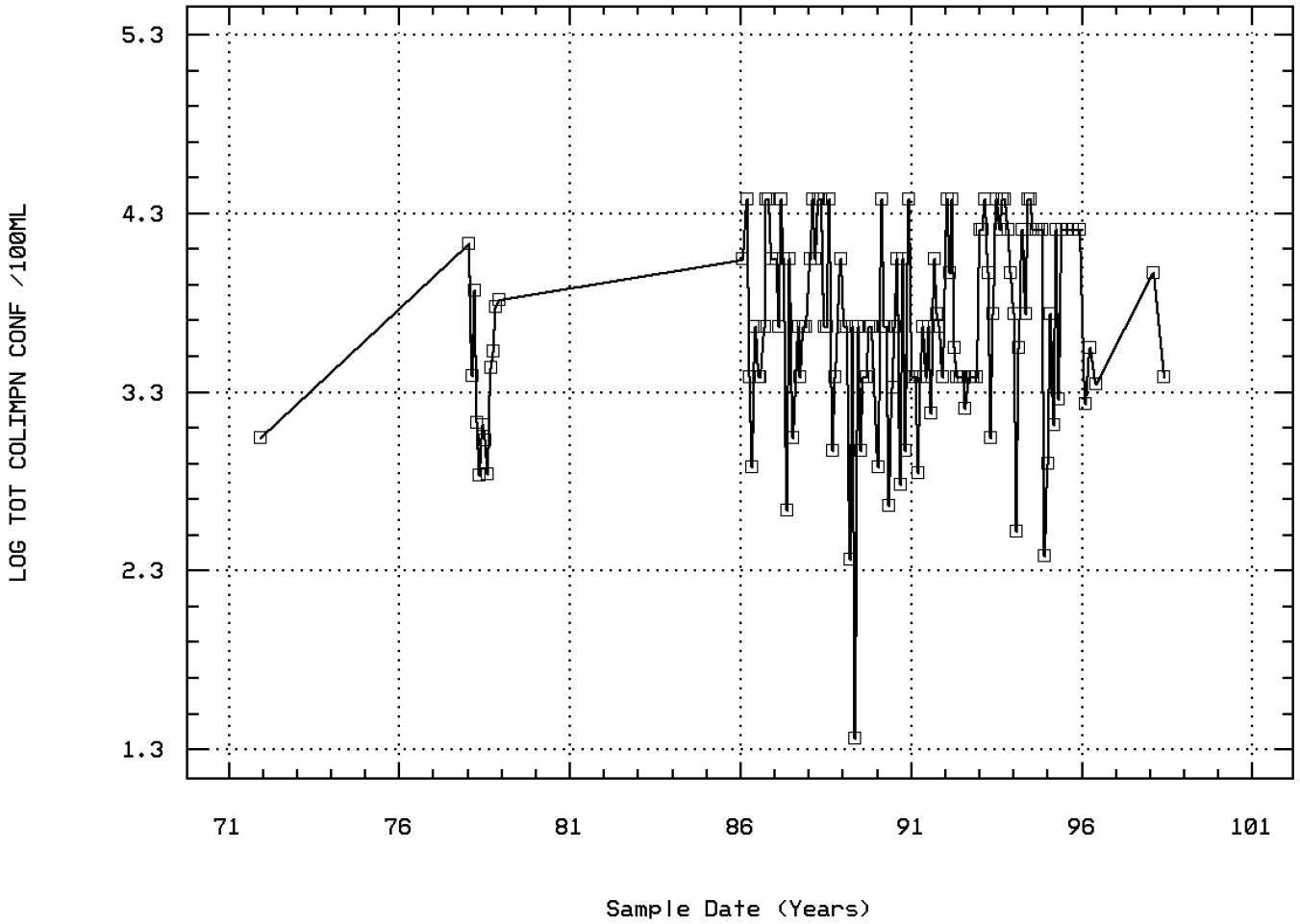
EASKOOT CREEK AT CALLE DEL ARROYO & HWY



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Station: PORE0010 Parameter Code: 31505

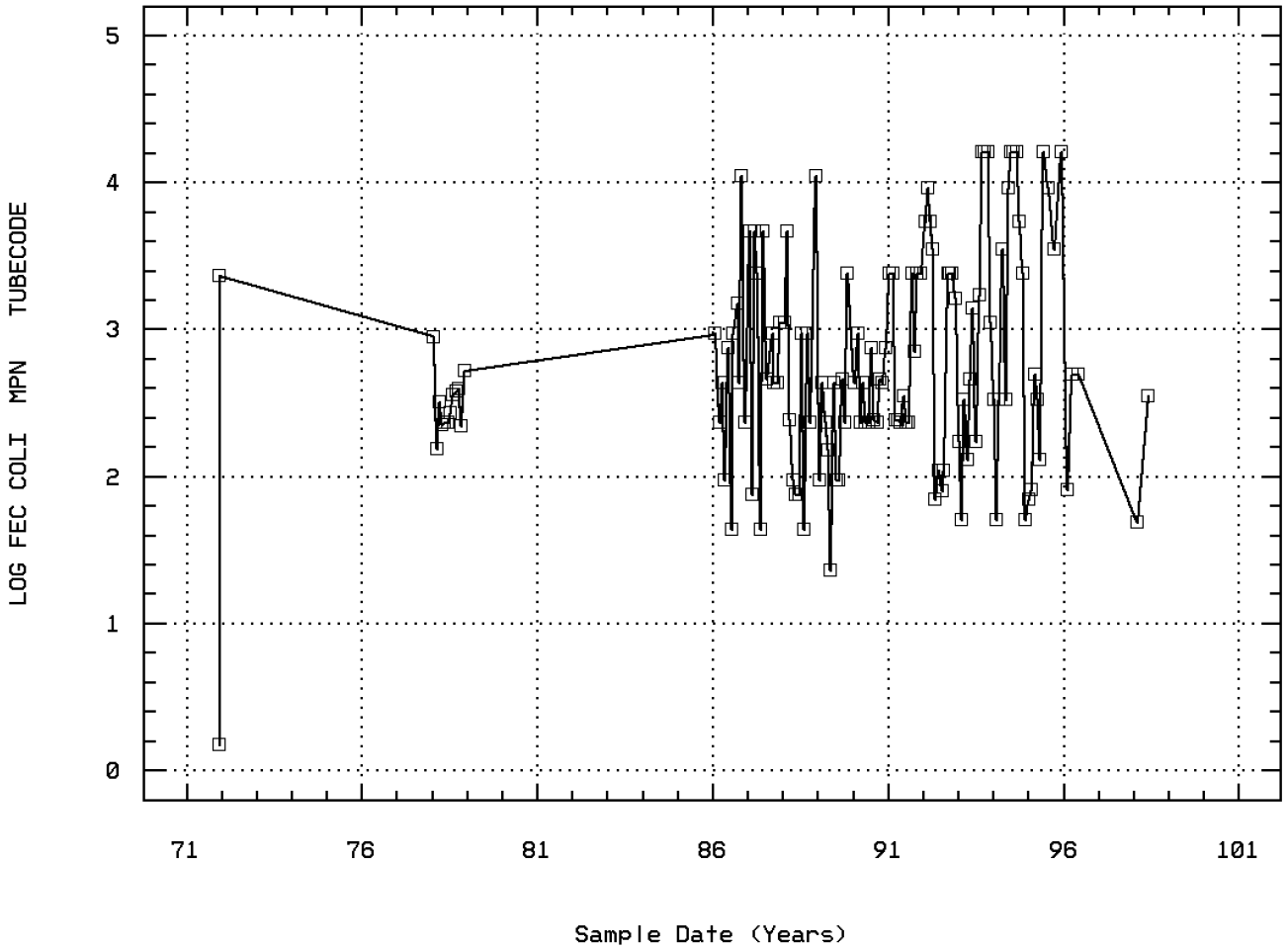
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Station: PORE0010 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Annual Analysis for 1971 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	1	3.041	3.041	3.041	3.041	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1100.								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2 ##	1150.75	1150.75	2300.	1.5	2641551.125	1625.285	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2 ##	1.769	1.769	3.362	0.176	5.074	2.253	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			58.737								

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

Annual Analysis for 1978 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	2592.5	3899.333	13369.	681.	14373696.242	3791.266	683.1	1133.	6362.75	11562.7
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.413	3.406	4.126	2.833	0.182	0.426	2.834	3.053	3.803	4.048
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2549.137								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	293.	348.333	884.	154.	38427.697	196.03	174.1	226.	386.75	775.1
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.465	2.494	2.946	2.188	0.041	0.202	2.235	2.354	2.587	2.878
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			312.071								

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

Annual Analysis for 1986 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	2 ##	0.038	0.038	0.05	0.025	0.	0.018	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	4600.	10104.545	24000.	750.	90704227.273	9523.877	1080.	2400.	24000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	3.663	3.779	4.38	2.875	0.254	0.504	2.976	3.38	4.38	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6006.24								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	430.	1506.	11000.	43.	10108000.2	3179.308	53.	230.	930.	9100.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.633	2.693	4.041	1.633	0.411	0.641	1.7	2.362	2.968	3.868
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			493.056								

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

Annual Analysis for 1987 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	7	0.22	0.794	2.5	0.04	0.982	0.991	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	7	3.08	3.382	8.28	0.025	9.505	3.083	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	4600.	7211.818	24000.	430.	45868136.364	6772.602	564.	2400.	11000.	21400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	3.663	3.655	4.38	2.633	0.247	0.497	2.715	3.38	4.041	4.312
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4523.758								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	930.	1788.	4600.	43.	3673739.	1916.7	49.4	430.	4600.	4600.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.968	2.892	3.663	1.633	0.485	0.697	1.682	2.633	3.663	3.663
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			780.579								

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

Annual Analysis for 1988 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	20	0.185	0.272	1.4	0.05	0.097	0.311	0.071	0.103	0.27	0.756
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	19	1.1	1.153	2.8	0.	0.441	0.664	0.	0.85	1.5	2.
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	11000.	12866.364	24000.	930.	89496845.455	9460.277	1224.	4600.	24000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	4.041	3.938	4.38	2.968	0.222	0.471	3.051	3.663	4.38	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			8671.856								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	240.	1756.	11000.	43.	11131315.2	3336.363	49.4	75.	1100.	9720.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.38	2.616	4.041	1.633	0.616	0.785	1.682	1.875	3.041	3.966
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			413.093								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	11	0.15	0.227	0.85	0.015	0.061	0.247	0.018	0.07	0.37	0.77
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	11	0.85	1.06	2.4	0.3	0.321	0.566	0.36	0.655	1.35	2.2
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	11	4600.	3053.	4600.	23.	3686943.	1920.141	64.4	930.	4600.	4600.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	11	3.663	3.221	3.663	1.362	0.548	0.74	1.562	2.968	3.663	3.663
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1662.684								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	230.	421.091	2400.	23.	454568.291	674.217	37.	93.	430.	2012.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.362	2.316	3.38	1.362	0.275	0.525	1.483	1.968	2.633	3.237
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			207.041								

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

Annual Analysis for 1990 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	21	0.12	0.41	2.	0.	0.362	0.602	0.042	0.05	0.5	1.8
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	20	0.73	1.843	22.2	0.08	23.311	4.828	0.11	0.348	1.06	2.57
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	4600.	7386.667	24000.	460.	73557715.152	8576.579	502.	795.	11000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.663	3.537	4.38	2.663	0.375	0.612	2.697	2.898	4.041	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3439.639								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	430.	445.	930.	230.	59009.091	242.918	230.	230.	677.5	876.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.633	2.592	2.968	2.362	0.052	0.227	2.362	2.362	2.822	2.94
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			391.208								

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

Annual Analysis for 1991 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	25	0.1	0.33	3.	0.025	0.426	0.653	0.05	0.1	0.175	1.18
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	25	1.15	1.28	3.9	0.	0.902	0.95	0.147	0.625	1.6	2.85
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	2400.	3700.	11000.	700.	7354545.455	2711.927	940.	2400.	4600.	9320.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.38	3.474	4.041	2.845	0.093	0.305	2.944	3.38	3.663	3.949
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2976.406								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	525.	1185.	2400.	230.	1166881.818	1080.223	230.	232.5	2400.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.695	2.845	3.38	2.362	0.241	0.491	2.362	2.366	3.38	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			699.282								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	21	0.1	0.242	1.2	0.05	0.11	0.332	0.064	0.1	0.203	1.04
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	20	0.675	0.835	2.65	0.	0.41	0.641	0.025	0.425	1.175	1.775
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	2400.	6591.667	24000.	1600.	70033560.606	8368.606	1840.	2400.	7775.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	3.38	3.594	4.38	3.204	0.168	0.41	3.257	3.38	3.859	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3930.88								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2400.	2722.417	9200.	70.	7831519.174	2798.485	72.7	110.	4925.	8060.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	3.38	3.012	3.964	1.845	0.651	0.807	1.861	2.041	3.685	3.894
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1027.801								

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

Annual Analysis for 1993 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	25	0.12	0.123	0.25	0.04	0.003	0.052	0.056	0.09	0.15	0.2
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	25	1.1	1.201	3.25	0.	0.652	0.807	0.15	0.578	1.75	2.4
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	16000.	15408.333	24000.	1100.	61695378.788	7854.641	2390.	9200.	24000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	4.204	4.087	4.38	3.041	0.15	0.387	3.249	3.964	4.38	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			12205.547								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	780.	4459.167	16000.	50.	48713426.515	6979.5	74.	170.	12425.	16000.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.852	2.957	4.204	1.699	0.765	0.874	1.823	2.23	3.961	4.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			905.978								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	23	0.2	0.222	0.75	0.07	0.017	0.131	0.112	0.15	0.25	0.33
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	19	1.6	2.322	10.75	0.45	6.07	2.464	0.65	0.77	2.5	5.9
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	12	16000.	11905.833	24000.	240.	72886371.97	8537.352	267.	3975.	16000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	12	4.204	3.807	4.38	2.38	0.475	0.689	2.422	3.591	4.204	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6417.762								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2950.	5799.167	16000.	50.	45143426.515	6718.886	50.	330.	14300.	16000.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	3.462	3.182	4.204	1.699	0.903	0.951	1.699	2.519	4.144	4.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1521.22								

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

Annual Analysis for 1995 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	13	0.098	0.107	0.35	0.03	0.01	0.101	0.031	0.041	0.1	0.33
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	8	0.698	0.89	2.32	0.275	0.438	0.662	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	9	16000.	9921.111	16000.	790.	53607261.111	7321.698	790.	1550.	16000.	16000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	9	4.204	3.78	4.204	2.898	0.3	0.548	2.898	3.185	4.204	4.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6025.344								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	490.	5088.889	16000.	70.	47024511.111	6857.442	70.	105.	12600.	16000.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	2.69	2.999	4.204	1.845	0.972	0.986	1.845	2.009	4.084	4.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			996.664								

** - 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 1996 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	3	0.048	0.062	0.1	0.038	0.001	0.033	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	3	0.655	0.738	0.96	0.6	0.038	0.194	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	3	2200.	2466.667	3500.	1700.	863333.333	929.157	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	3	3.342	3.372	3.544	3.23	0.025	0.159	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2356.748								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	3	490.	353.333	490.	80.	56033.333	236.714	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	3	2.69	2.428	2.69	1.903	0.207	0.454	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			267.81								

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

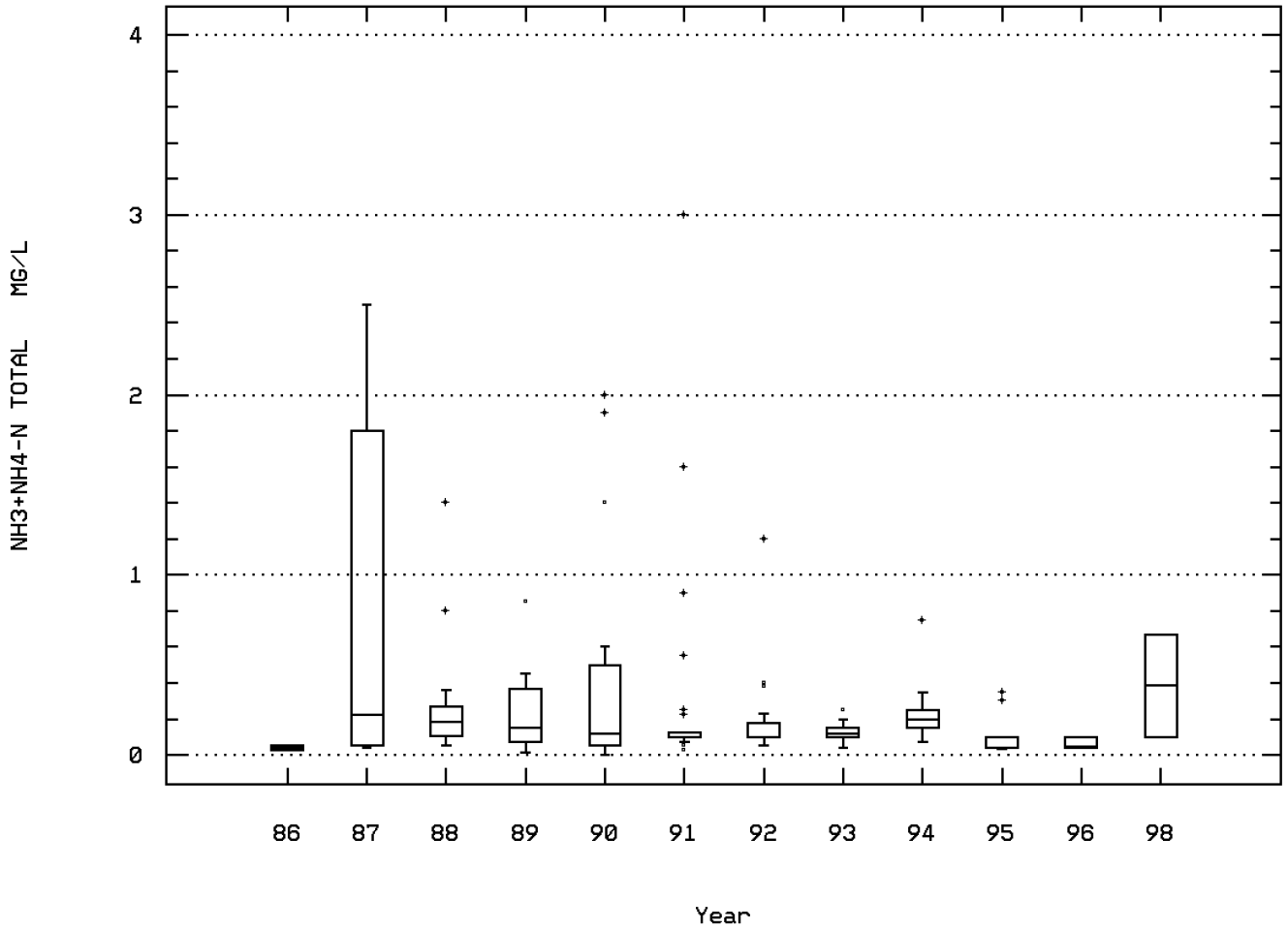
Annual Analysis for 1998 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	2 ##	0.385	0.385	0.67	0.1	0.162	0.403	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	2	0.91	0.91	1.13	0.69	0.097	0.311	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	2	5800.	5800.	9200.	2400.	23120000.	4808.326	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	2	3.672	3.672	3.964	3.38	0.17	0.413	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4698.936								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	199.5	199.5	350.	49.	45300.5	212.839	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	2.117	2.117	2.544	1.69	0.365	0.604	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			130.958								

** - Less than 9 observations ## - Computed 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: PORE0010 Parameter Code: 00610

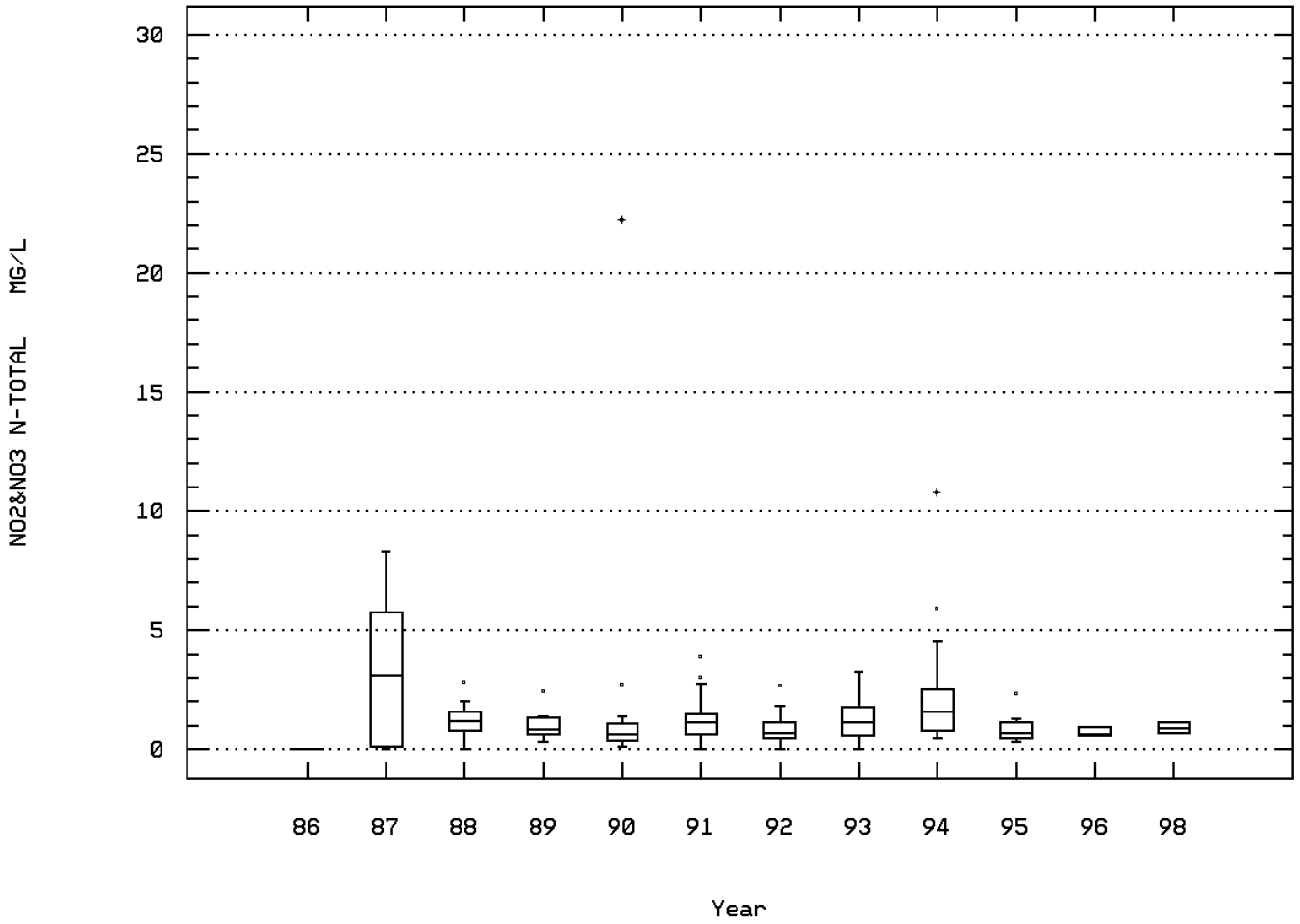
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Station: PORE0010 Parameter Code: 00630

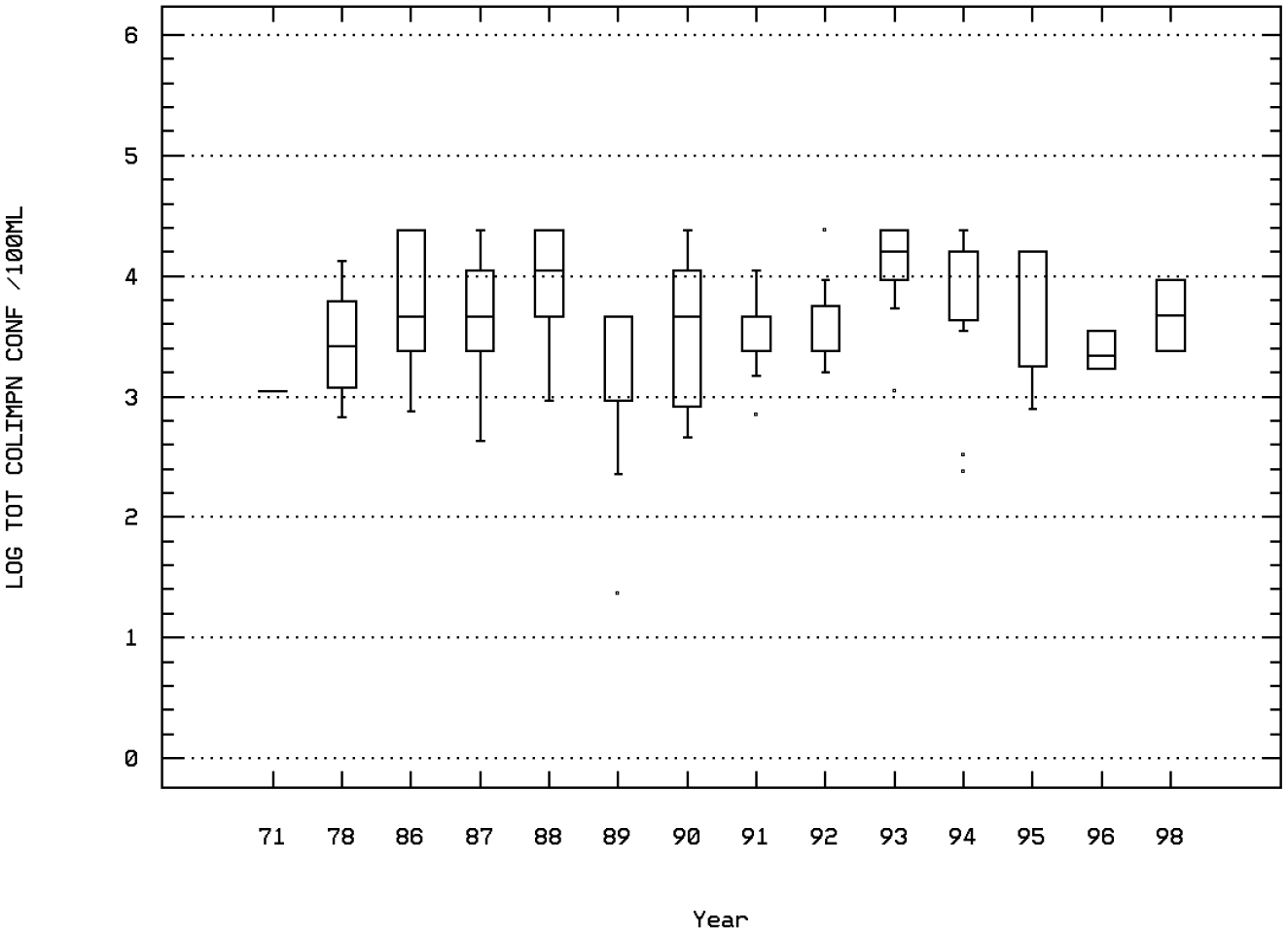
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Station: PORE0010 Parameter Code: 31505

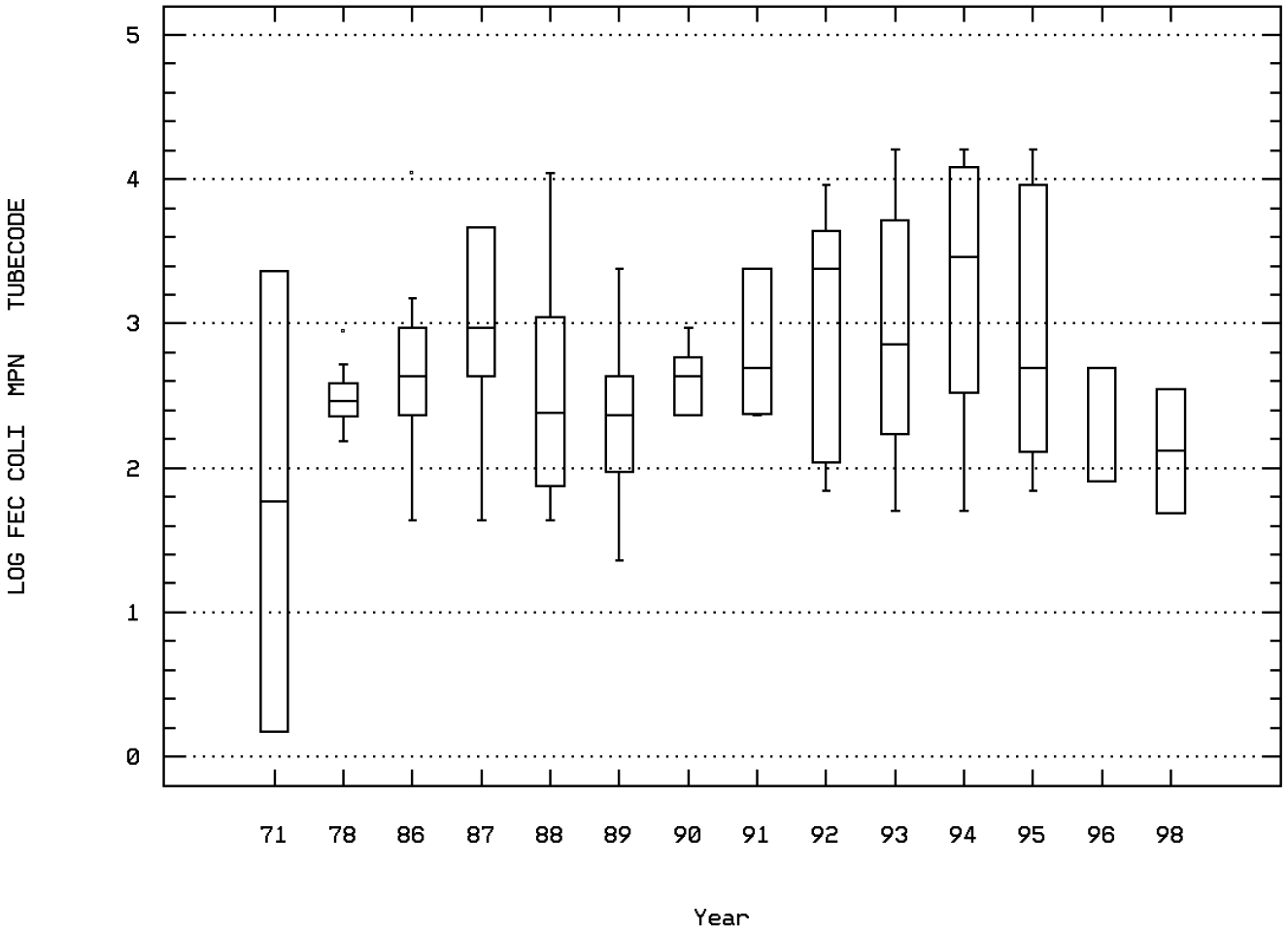
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Station: PORE0010 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	67	0.11	0.235	2.5	0.	0.162	0.403	0.046	0.06	0.225	0.5
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	65	0.83	1.114	8.28	0.	1.72	1.312	0.058	0.405	1.245	2.29
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	54	4600.	7873.056	24000.	600.	62609296.808	7912.604	1087.5	2400.	16000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	54	3.663	3.667	4.38	2.778	0.216	0.465	3.036	3.38	4.204	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4641.69								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	460.	2843.352	16000.	43.	25724847.893	5071.967	93.	230.	2400.	16000.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	2.663	2.857	4.204	1.633	0.518	0.72	1.968	2.362	3.38	4.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			719.409								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	9 ##	0.025	0.021	0.025	0.01	0.	0.007	0.01	0.013	0.025	0.025

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	39	0.17	0.316	3.	0.03	0.295	0.543	0.07	0.1	0.25	0.6
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	33	1.21	2.019	22.2	0.	14.04	3.747	0.318	0.7	1.85	2.928
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	23	5400.	8247.087	24000.	240.	52249676.447	7228.394	846.	2400.	16000.	20800.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	23	3.732	3.697	4.38	2.38	0.27	0.519	2.926	3.38	4.204	4.31
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4972.196								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	24	1100.	3137.646	16000.	1.5	24271520.489	4926.613	60.	255.	2400.	13500.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	24	3.041	2.92	4.204	0.176	0.819	0.905	1.772	2.401	3.38	4.123
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			831.348								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	2 ##	0.063	0.063	0.1	0.025	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 box-and-whisker plot

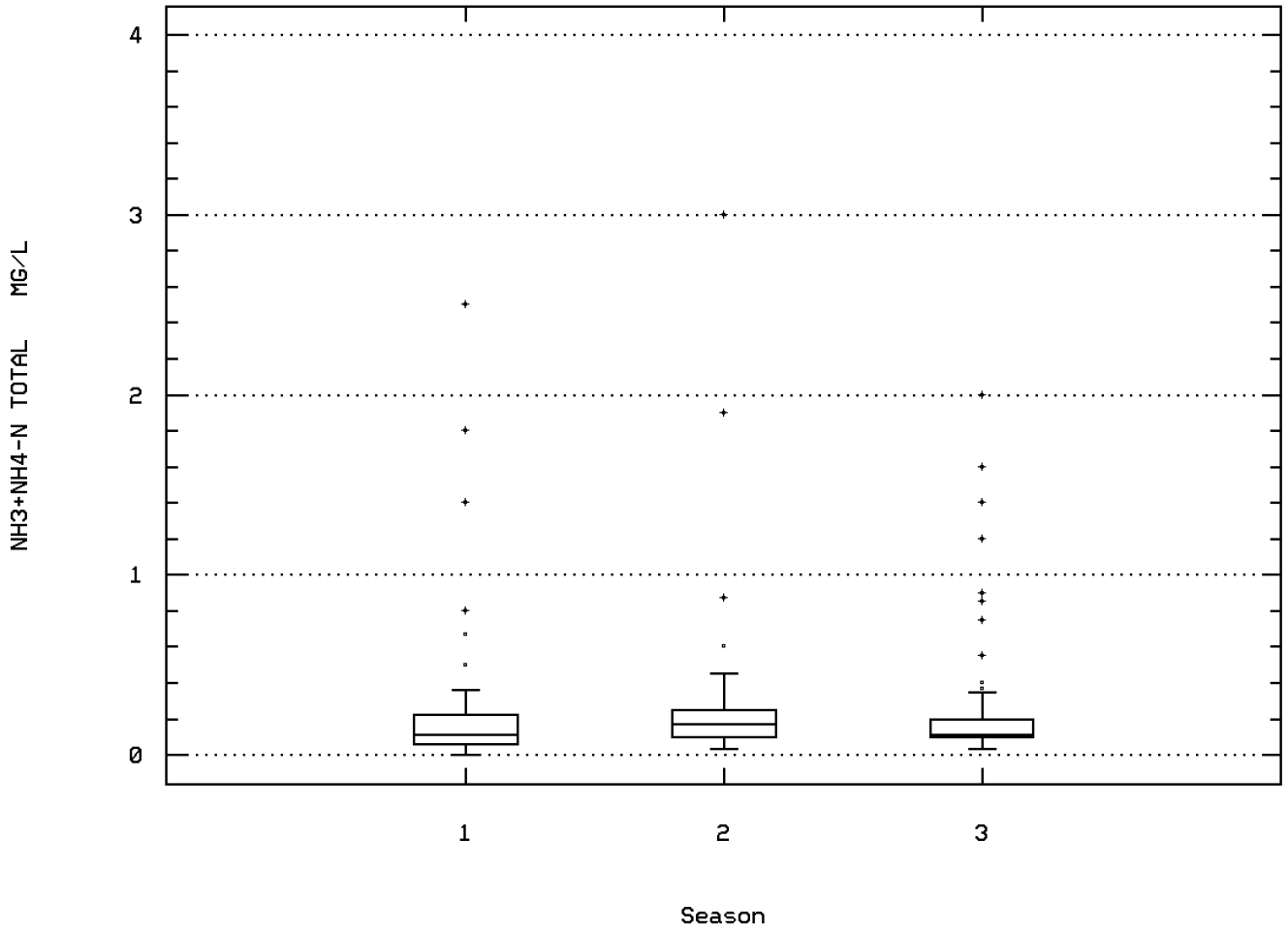
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/86-06/02/98	67	0.11	0.269	2.	0.03	0.156	0.395	0.048	0.1	0.2	0.86
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/17/86-06/02/98	63	1.	1.414	10.75	0.	2.528	1.59	0.22	0.655	1.4	2.78
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/71-06/02/98	54	4600.	8275.13	24000.	23.	68628129.813	8284.21	570.5	1775.	11592.25	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/71-06/02/98	54	3.663	3.609	4.38	1.362	0.404	0.636	2.748	3.249	4.063	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4064.2								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	278.5	1118.648	9200.	23.	3528707.364	1878.485	60.	120.75	930.	4600.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	2.441	2.562	3.964	1.362	0.416	0.645	1.772	2.078	2.968	3.663
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			365.143								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/17/86-02/06/96	12 ##	0.025	0.026	0.056	0.013	0.	0.011	0.013	0.025	0.025	0.047

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

Station: PORE0010 Parameter Code: 00610

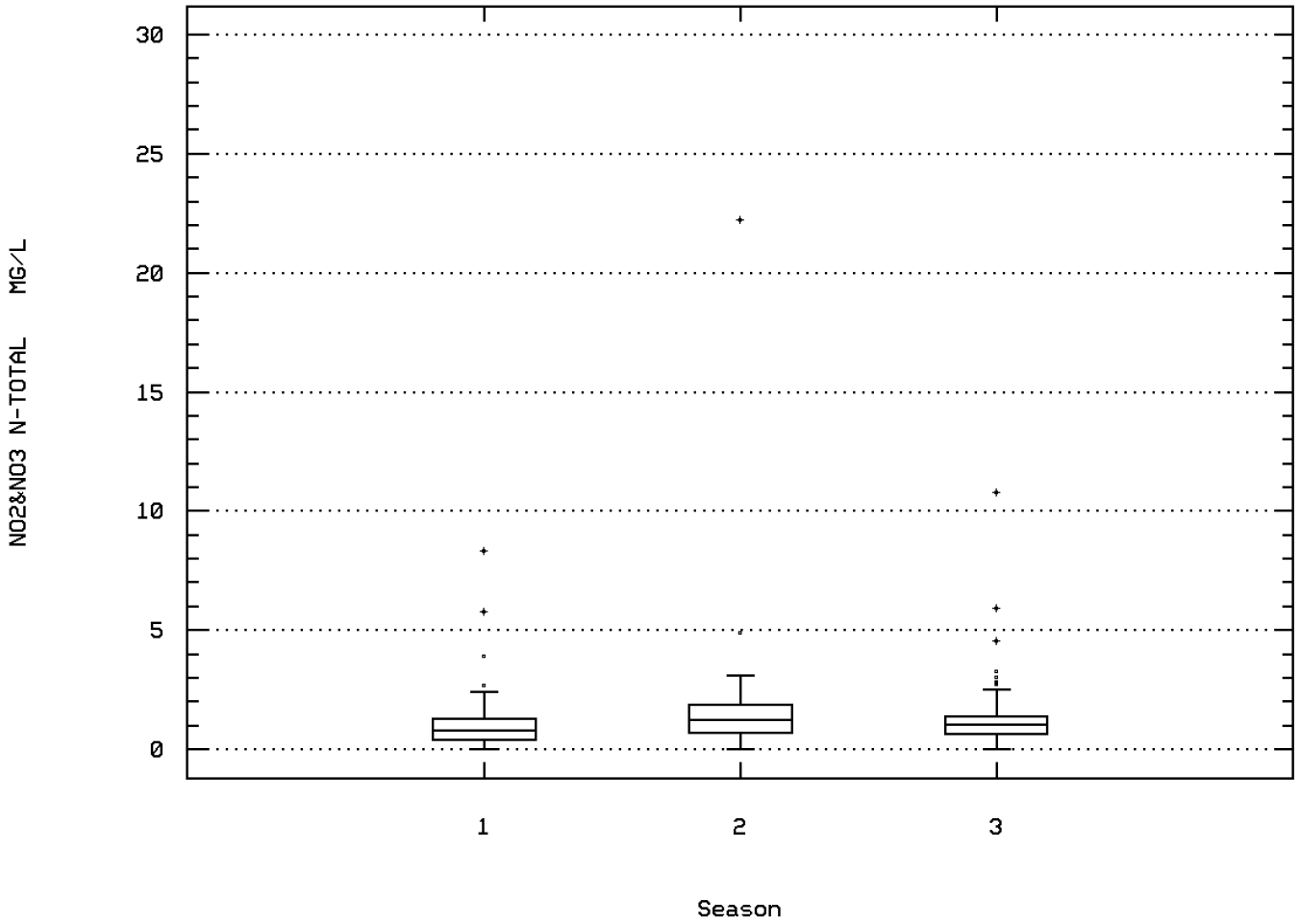
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Station: PORE0010 Parameter Code: 00630

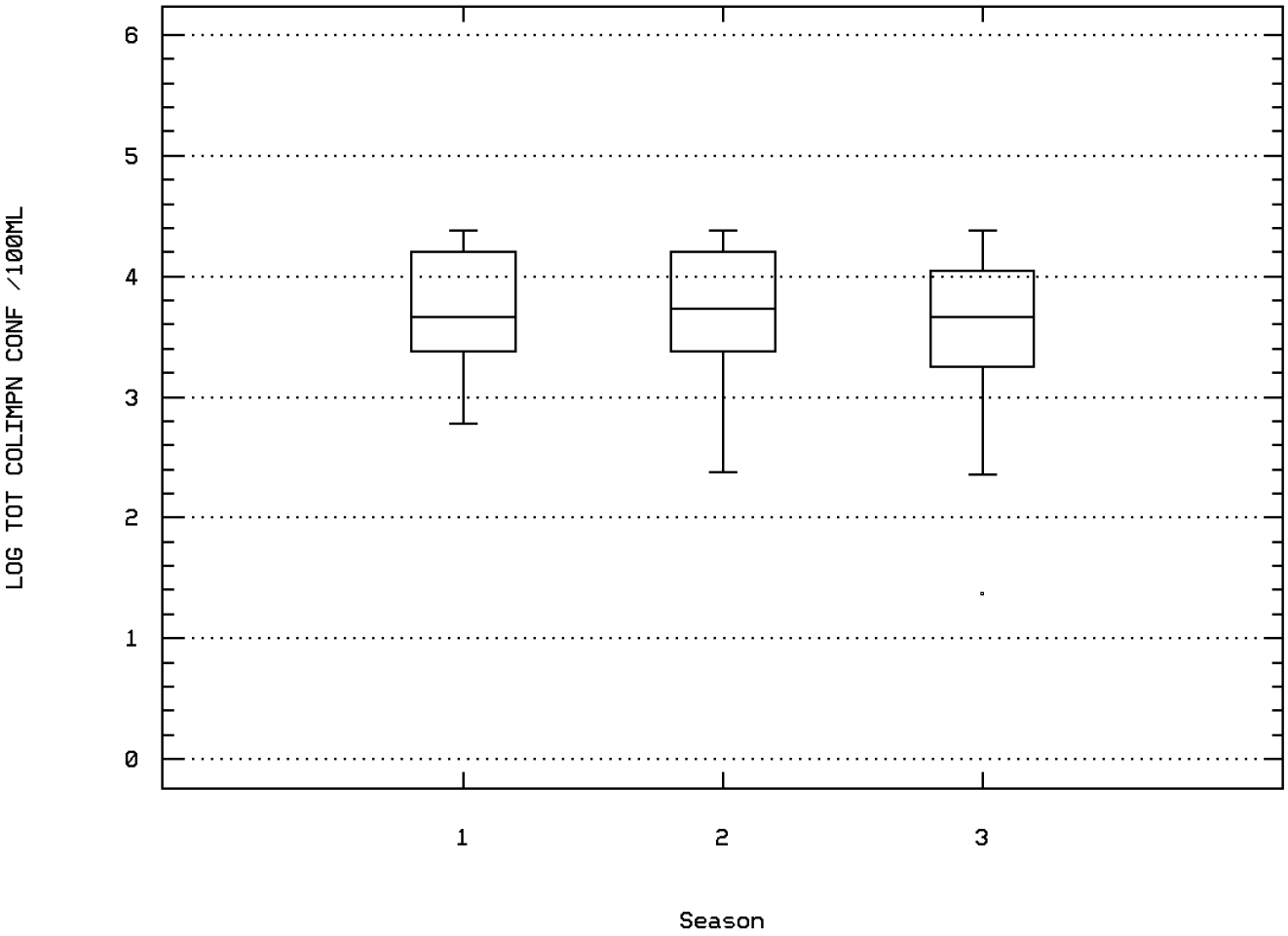
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



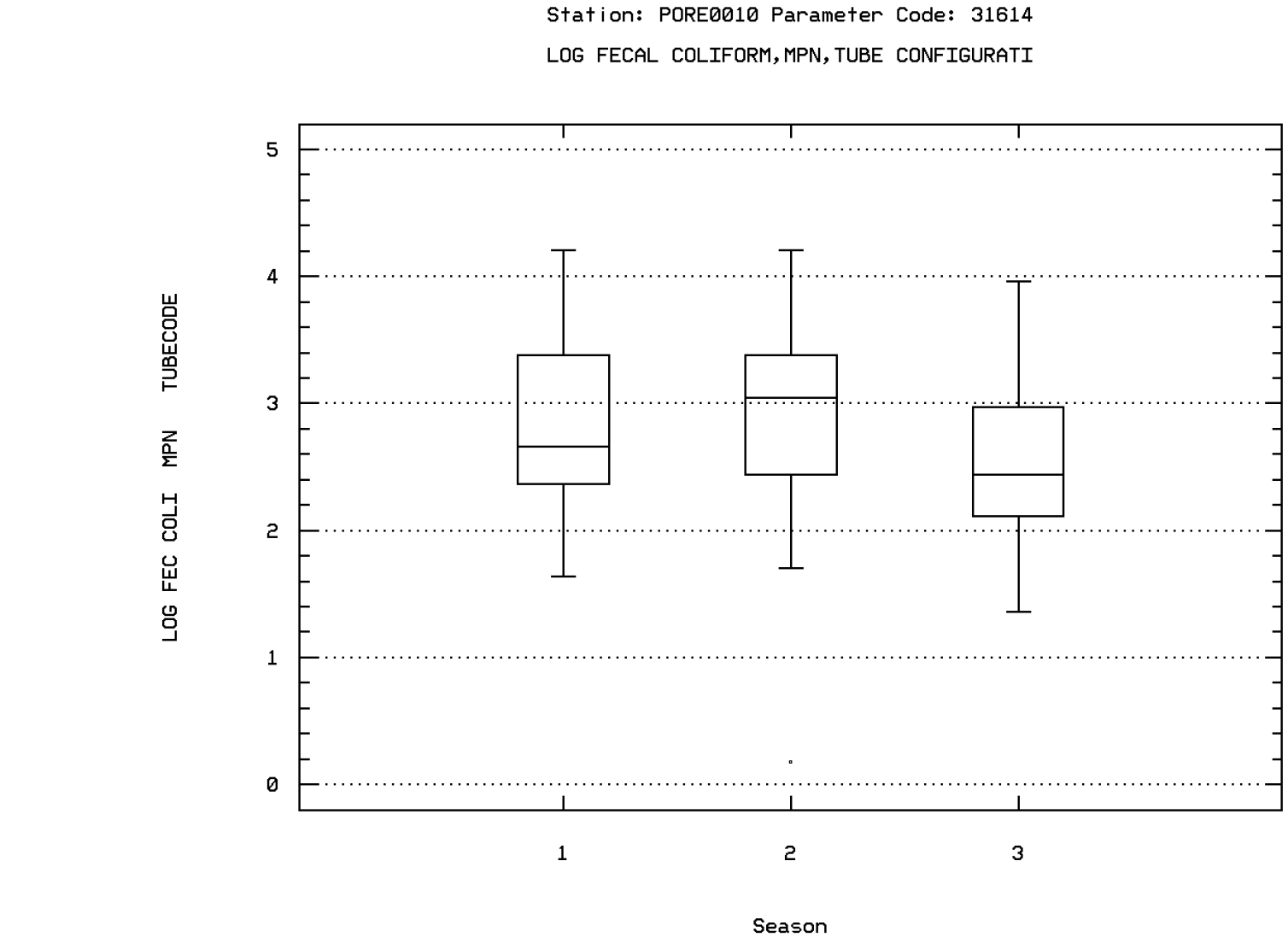
EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Station: PORE0010 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK AT CALLE DEL ARROYO & HWY



EASKOOT CREEK AT CALLE DEL ARROYO & HWY

Station Inventory for Station: PORE0011

NPS Station ID: PORE0011 LAT/LON: 37.901711/-122.635656 Agency: 11NPSWRD Date Created: 04/03/99
Location: FITZHENRY CREEK NEAR BRIDGE ON PARK TRAIL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_SBWD_S1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT FITZHENRY CREEK NEAR THE BRIDGE ON A PARK TRAIL AND IS INSIDE THE BOUNDARY OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	165	0.08	0.165	6.5	0.	0.355	0.596	0.02	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	9	0.02	0.253	0.75	0.	0.117	0.342	0.	0.	0.675	0.75
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/94-06/02/98	3	0.54	0.537	0.57	0.5	0.001	0.035	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	154	1.15	1.429	15.05	0.	3.586	1.894	0.27	0.5	1.663	2.5
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	119	240.	466.101	2400.	3.	294840.091	542.992	23.	79.	920.	1100.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	119	2.38	2.304	3.38	0.477	0.429	0.655	1.362	1.898	2.964	3.041
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			201.553								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	119	11.	65.378	1600.	1.	37425.487	193.457	1.5	2.	33.	170.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	119	1.041	1.088	3.204	0.	0.575	0.758	0.176	0.301	1.519	2.23
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			12.244								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	22 ##	0.025	0.022	0.025	0.01	0.	0.006	0.013	0.022	0.025	0.025

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

EPA Water Quality Criteria Analysis for Station: PORE0011

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------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.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			

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

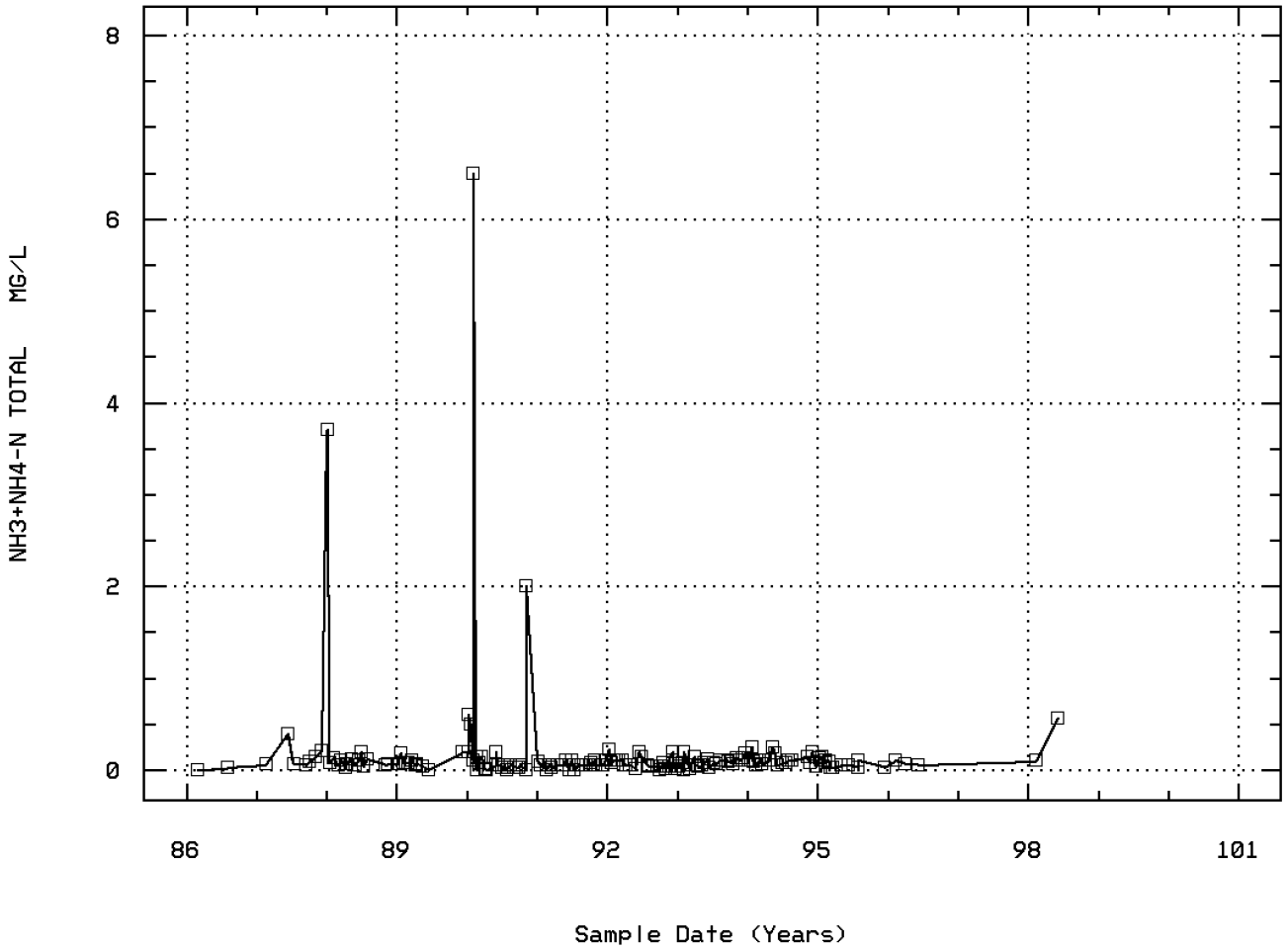
EPA Water Quality Criteria Analysis for Station: PORE0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	154	2	0.01	54	0	0.00	34	1	0.03	66	1	0.02			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	119	20	0.17	47	8	0.17	23	5	0.22	49	7	0.14			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	119	10	0.08	47	3	0.06	23	4	0.17	49	3	0.06			

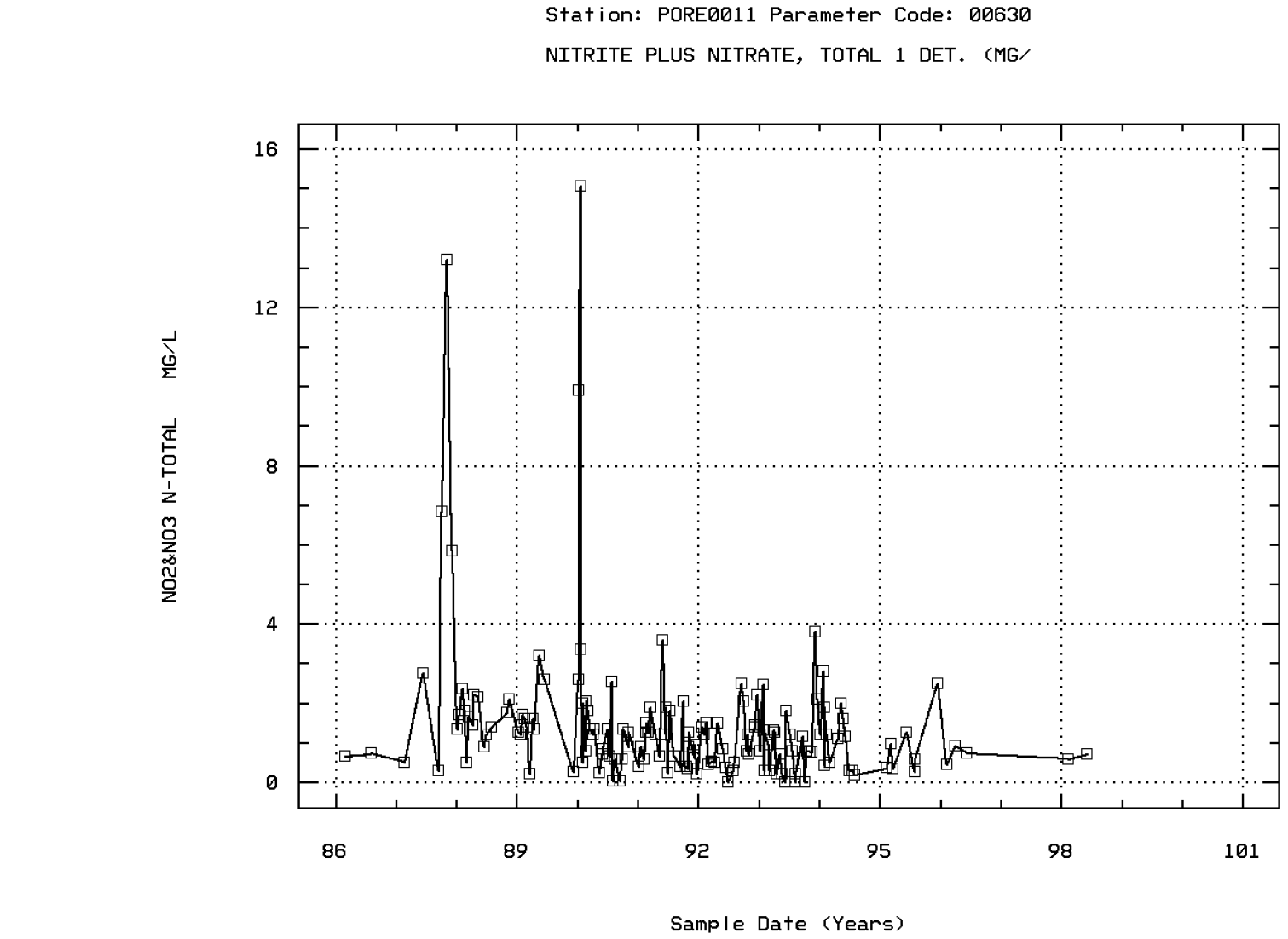
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: PORE0011 Parameter Code: 00610

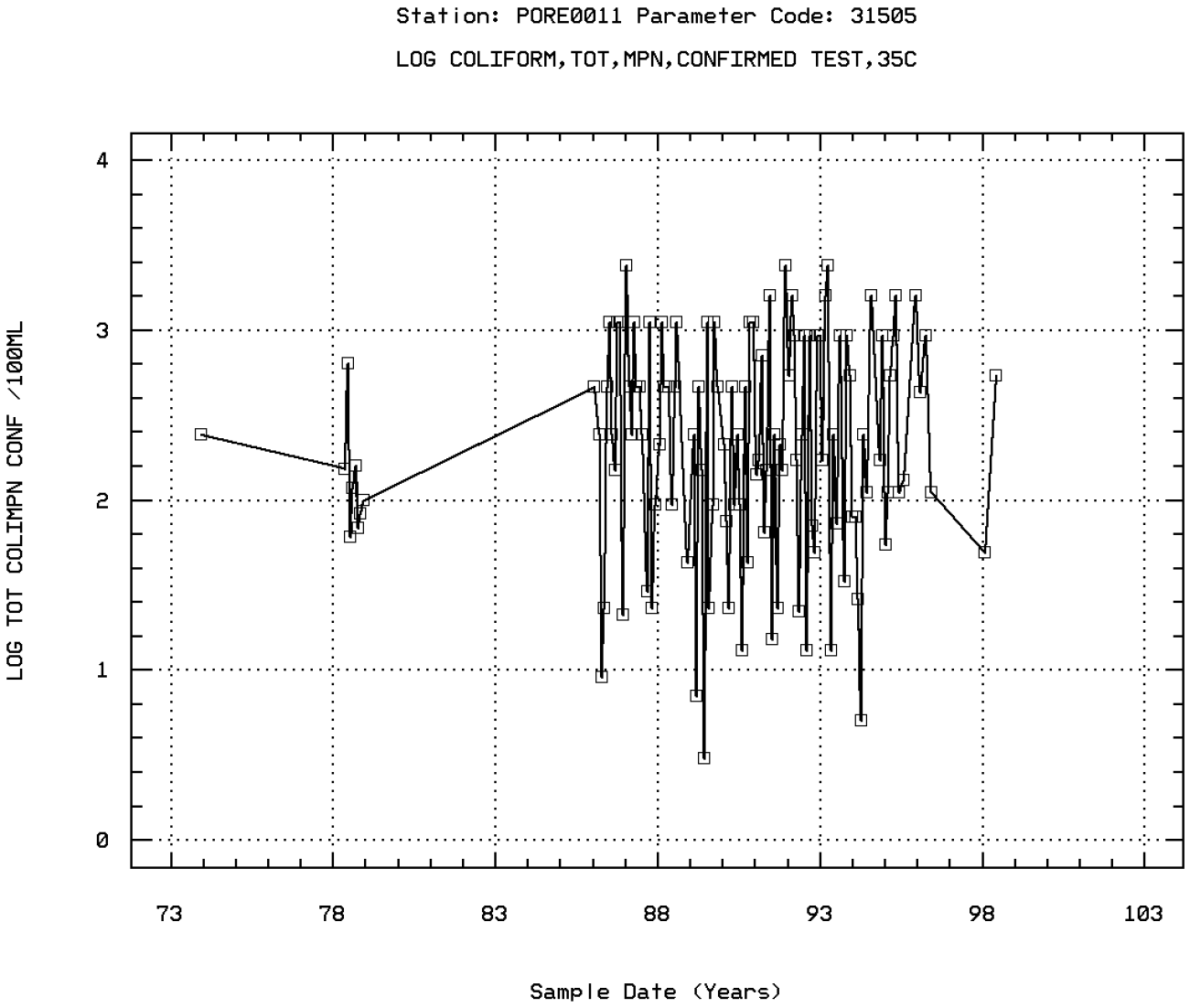
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



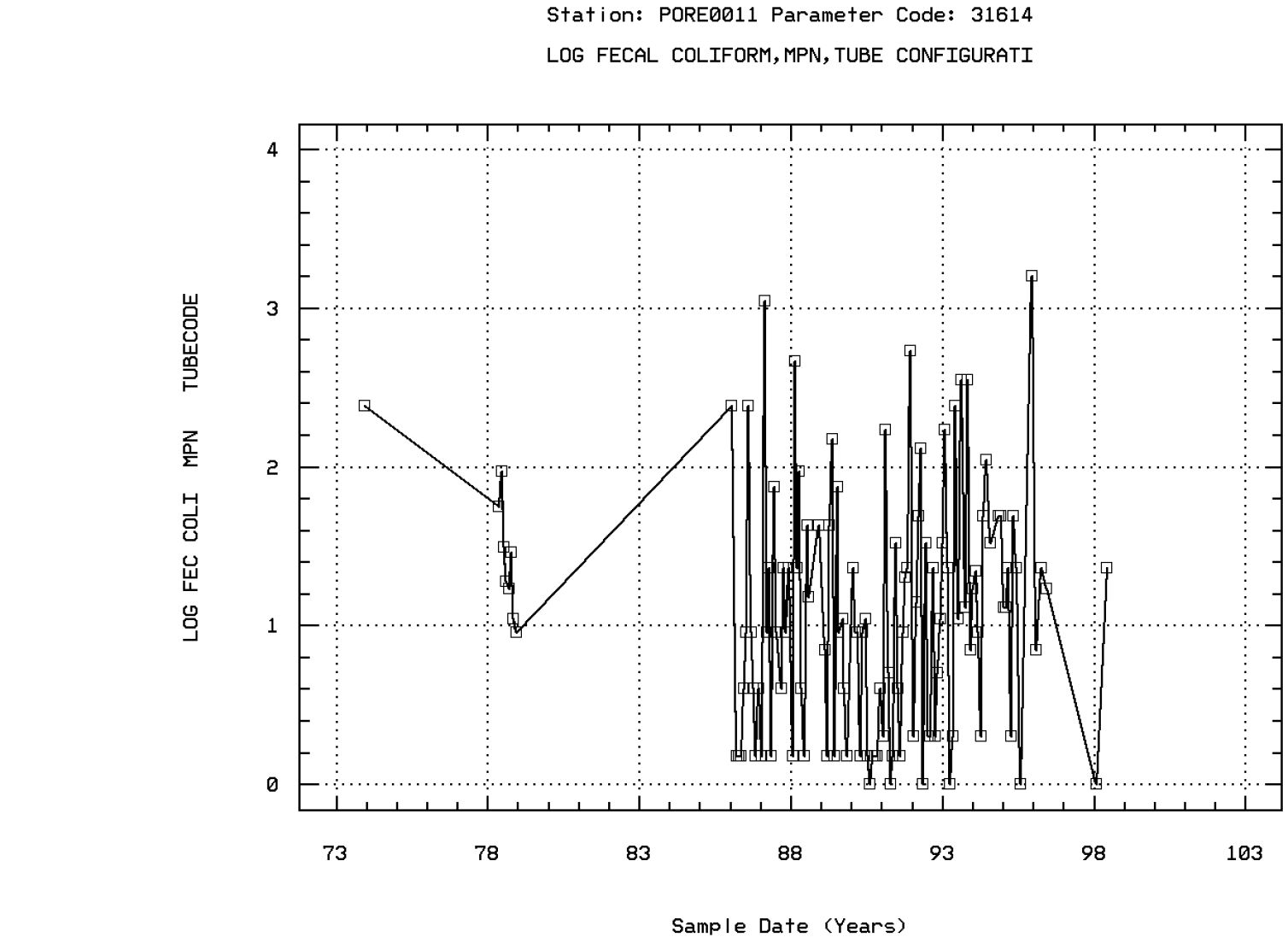
EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS

Annual Analysis for 1973 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			240.								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			240.								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	8	108.	171.25	633.	60.	36106.786	190.018	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	8	2.032	2.097	2.801	1.778	0.104	0.323	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			125.007								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	8	24.	33.25	94.	9.	825.929	28.739	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	8	1.371	1.397	1.973	0.954	0.119	0.345	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			24.974								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	2 ##	0.015	0.015	0.025	0.005	0.	0.014	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	2	0.695	0.695	0.73	0.66	0.002	0.049	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	240.	445.727	1100.	9.	200655.018	447.945	11.4	23.	1100.	1100.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	2.38	2.275	3.041	0.954	0.558	0.747	1.028	1.362	3.041	3.041
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			188.341								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	4.	46.909	240.	1.5	9121.391	95.506	1.5	1.5	9.	240.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	0.602	0.834	2.38	0.176	0.67	0.819	0.176	0.176	0.954	2.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			6.831								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	7	0.09	0.146	0.39	0.05	0.015	0.122	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	6	4.295	4.903	13.2	0.3	23.754	4.874	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	460.	600.455	2400.	23.	497401.673	705.267	24.2	93.	1100.	2140.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	2.663	2.455	3.38	1.362	0.41	0.64	1.382	1.968	3.041	3.312
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			285.06								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	9.	116.182	1100.	1.5	106899.514	326.955	1.5	4.	23.	895.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	0.954	1.165	3.041	0.176	0.655	0.809	0.176	0.602	1.362	2.808
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			14.633								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	15	0.08	0.327	3.7	0.03	0.872	0.934	0.036	0.05	0.12	1.6
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	15	1.65	1.567	2.35	0.49	0.279	0.529	0.736	1.2	2.1	2.266
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	9	460.	487.333	1100.	43.	147944.25	384.635	43.	151.5	780.	1100.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	9	2.663	2.518	3.041	1.633	0.219	0.468	1.633	2.145	2.852	3.041
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			329.272								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	9	23.	76.	460.	1.5	21592.188	146.943	1.5	2.75	68.	460.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	9	1.362	1.266	2.663	0.176	0.694	0.833	0.176	0.389	1.801	2.663
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			18.432								

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

Annual Analysis for 1989 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	11	0.08	0.087	0.2	0.005	0.004	0.059	0.012	0.05	0.1	0.198
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	11	1.4	1.49	3.2	0.22	0.751	0.866	0.229	1.2	1.7	3.08
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	10	195.	363.6	1100.	3.	178942.933	423.016	3.4	19.	620.	1100.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	10	2.278	2.062	3.041	0.477	0.805	0.897	0.514	1.233	2.757	3.041
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			115.267								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	10	8.	30.35	150.	1.5	2337.392	48.347	1.5	1.5	51.	142.5
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	10	0.9	0.966	2.176	0.176	0.529	0.727	0.176	0.176	1.694	2.146
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			9.238								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	25	0.05	0.454	6.5	0.	1.755	1.325	0.	0.025	0.2	1.16
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	25	1.25	2.118	15.05	0.03	10.937	3.307	0.15	0.615	2.025	5.97
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	151.5	325.833	1100.	13.	154214.697	392.702	16.	51.	460.	1100.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	2.145	2.169	3.041	1.114	0.391	0.625	1.188	1.694	2.663	3.041
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			147.681								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12 ##	2.75	6.125	23.	1.	42.824	6.544	1.15	1.5	9.	19.4
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12 ##	0.389	0.562	1.362	0.	0.218	0.466	0.053	0.176	0.954	1.266
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			3.651								

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

Annual Analysis for 1991 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	24	0.05	0.052	0.1	0.	0.001	0.031	0.	0.05	0.069	0.1
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	25	0.9	1.061	3.6	0.205	0.593	0.77	0.301	0.4	1.375	1.96
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	160.	488.5	2400.	15.	558769.364	747.509	17.4	83.	585.	2160.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	2.203	2.267	3.38	1.176	0.429	0.655	1.232	1.891	2.729	3.327
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			184.949								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	7.	67.5	540.	1.	24361.318	156.081	1.15	1.625	30.5	429.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	0.827	1.004	2.732	0.	0.737	0.858	0.053	0.207	1.479	2.582
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			10.101								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	21	0.08	0.084	0.225	0.	0.004	0.064	0.012	0.04	0.105	0.2
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	21	1.	1.066	2.5	0.	0.444	0.667	0.312	0.5	1.475	2.17
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	390.	532.	1600.	13.	266851.455	516.577	15.7	54.25	920.	1396.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	2.556	2.366	3.204	1.114	0.512	0.715	1.182	1.729	2.964	3.132
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			232.362								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	8.	22.833	130.	1.	1365.606	36.954	1.3	2.	30.5	105.7
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12	0.87	0.898	2.114	0.	0.46	0.678	0.09	0.301	1.479	1.987
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			7.905								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	24	0.08	0.085	0.2	0.	0.002	0.05	0.02	0.05	0.115	0.165
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	24	0.8	0.963	3.8	0.	0.796	0.892	0.	0.235	1.288	2.275
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	540.	711.636	2400.	13.	567305.255	753.197	17.	72.	920.	2240.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	2.732	2.483	3.38	1.114	0.535	0.732	1.195	1.857	2.964	3.345
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			303.805								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	23.	109.091	350.	1.	20255.291	142.321	1.2	7.	240.	350.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11	1.362	1.444	2.544	0.	0.795	0.892	0.06	0.845	2.38	2.544
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			27.777								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	19	0.1	0.115	0.25	0.04	0.004	0.063	0.05	0.08	0.15	0.25
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	13	1.15	1.128	2.8	0.195	0.628	0.792	0.237	0.358	1.75	2.48
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	9	110.	358.778	1600.	5.	294961.194	543.103	5.	52.5	580.	1600.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	9	2.041	2.081	3.204	0.699	0.572	0.756	0.699	1.656	2.672	3.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			120.508								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	9	33.	37.778	110.	2.	1050.694	32.414	2.	13.	49.	110.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	9	1.519	1.384	2.041	0.301	0.264	0.514	0.301	1.092	1.69	2.041
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			24.227								

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

Annual Analysis for 1995 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	12	0.067	0.073	0.15	0.027	0.002	0.042	0.028	0.032	0.1	0.144
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	7	0.58	0.9	2.5	0.275	0.632	0.795	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	8	335.	633.	1600.	54.	442357.714	665.1	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	8	2.423	2.504	3.204	1.732	0.346	0.588	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			319.296								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	8	18.	215.5	1600.	1.	313182.857	559.627	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	8	1.238	1.268	3.204	0.	0.934	0.966	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			18.55								

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

Annual Analysis for 1996 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	3	0.065	0.073	0.1	0.053	0.001	0.024	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	3	0.74	0.7	0.91	0.45	0.054	0.233	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	3	430.	486.667	920.	110.	166433.333	407.962	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	3	2.633	2.546	2.964	2.041	0.218	0.467	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			351.736								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	3	17.	15.667	23.	7.	65.333	8.083	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	3	1.23	1.146	1.362	0.845	0.072	0.269	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			13.988								

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

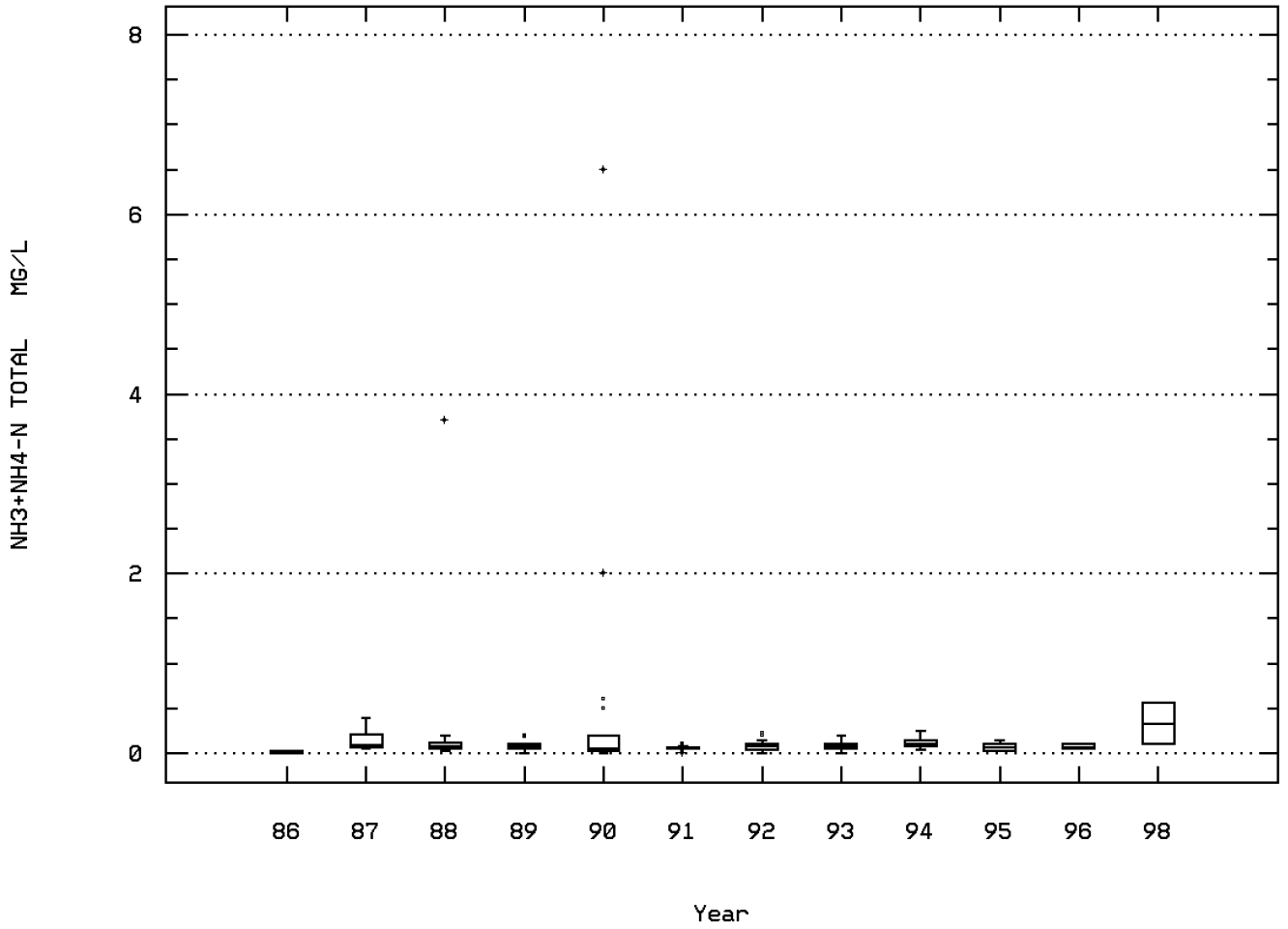
Annual Analysis for 1998 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	2 ##	0.33	0.33	0.56	0.1	0.106	0.325	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	2	0.645	0.645	0.7	0.59	0.006	0.078	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	2	294.5	294.5	540.	49.	120540.5	347.189	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	2	2.211	2.211	2.732	1.69	0.543	0.737	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			162.665								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	2 ##	12.	12.	23.	1.	242.	15.556	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	2 ##	0.681	0.681	1.362	0.	0.927	0.963	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			4.796								

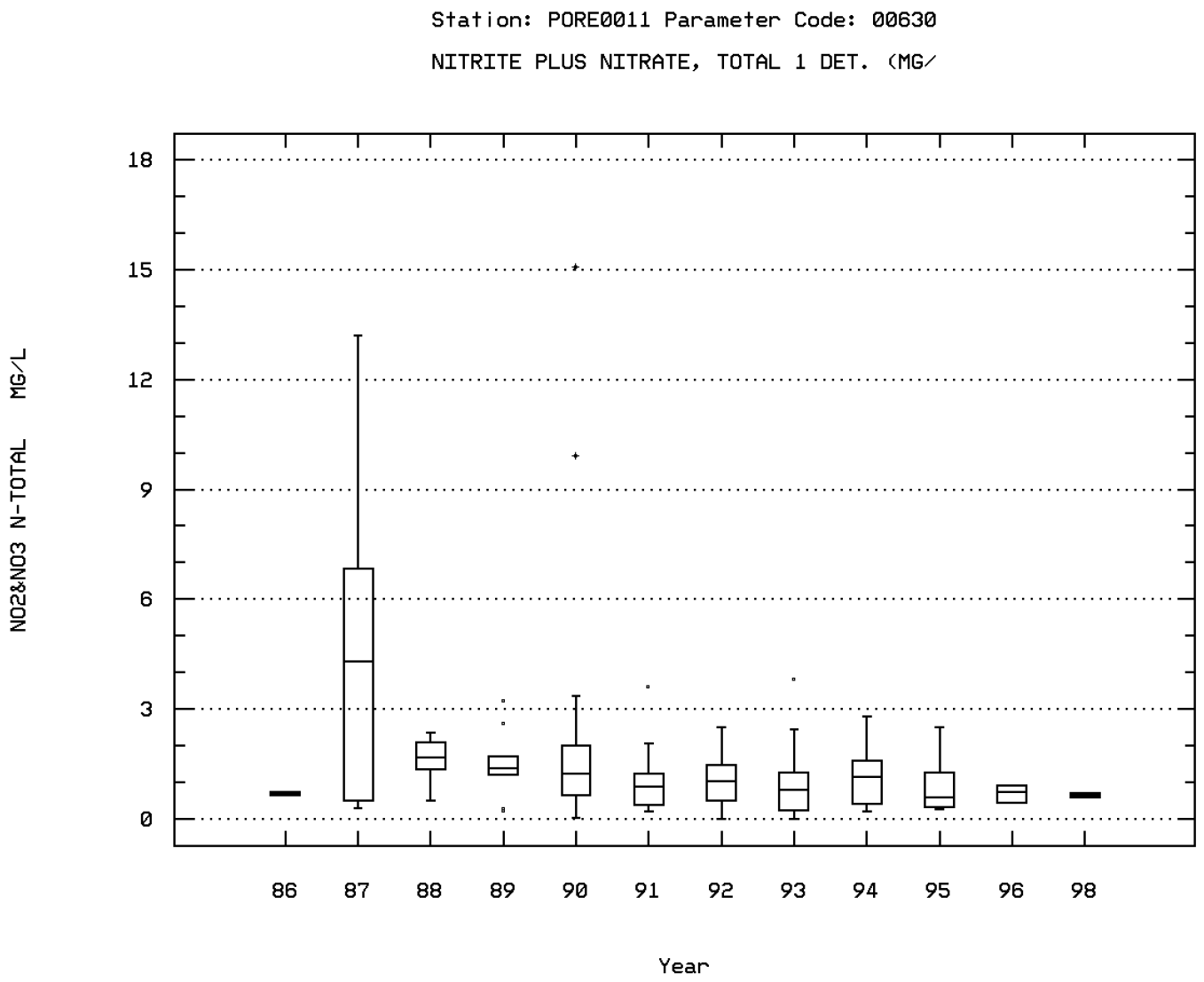
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0011 Parameter Code: 00610

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



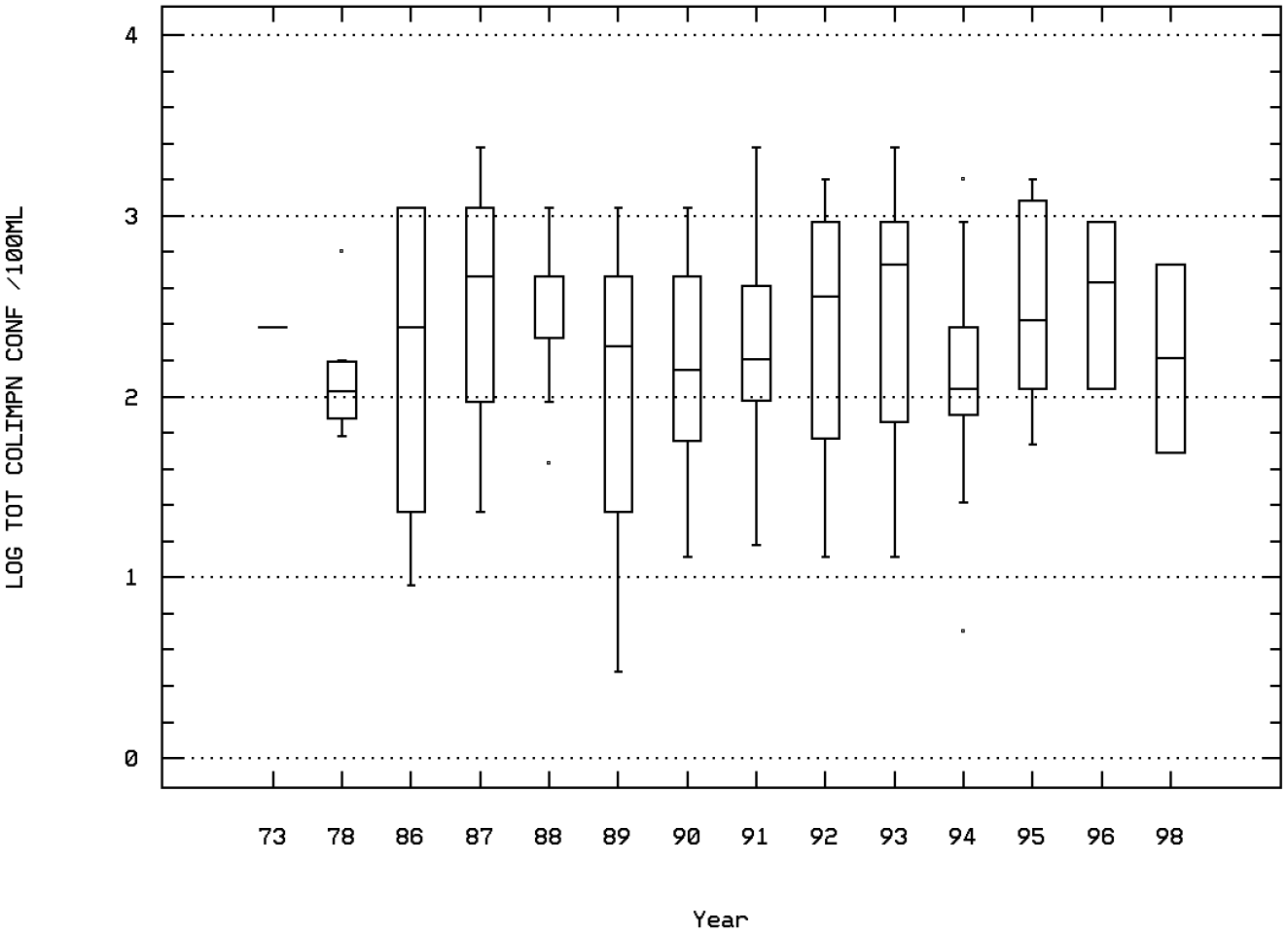
EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS



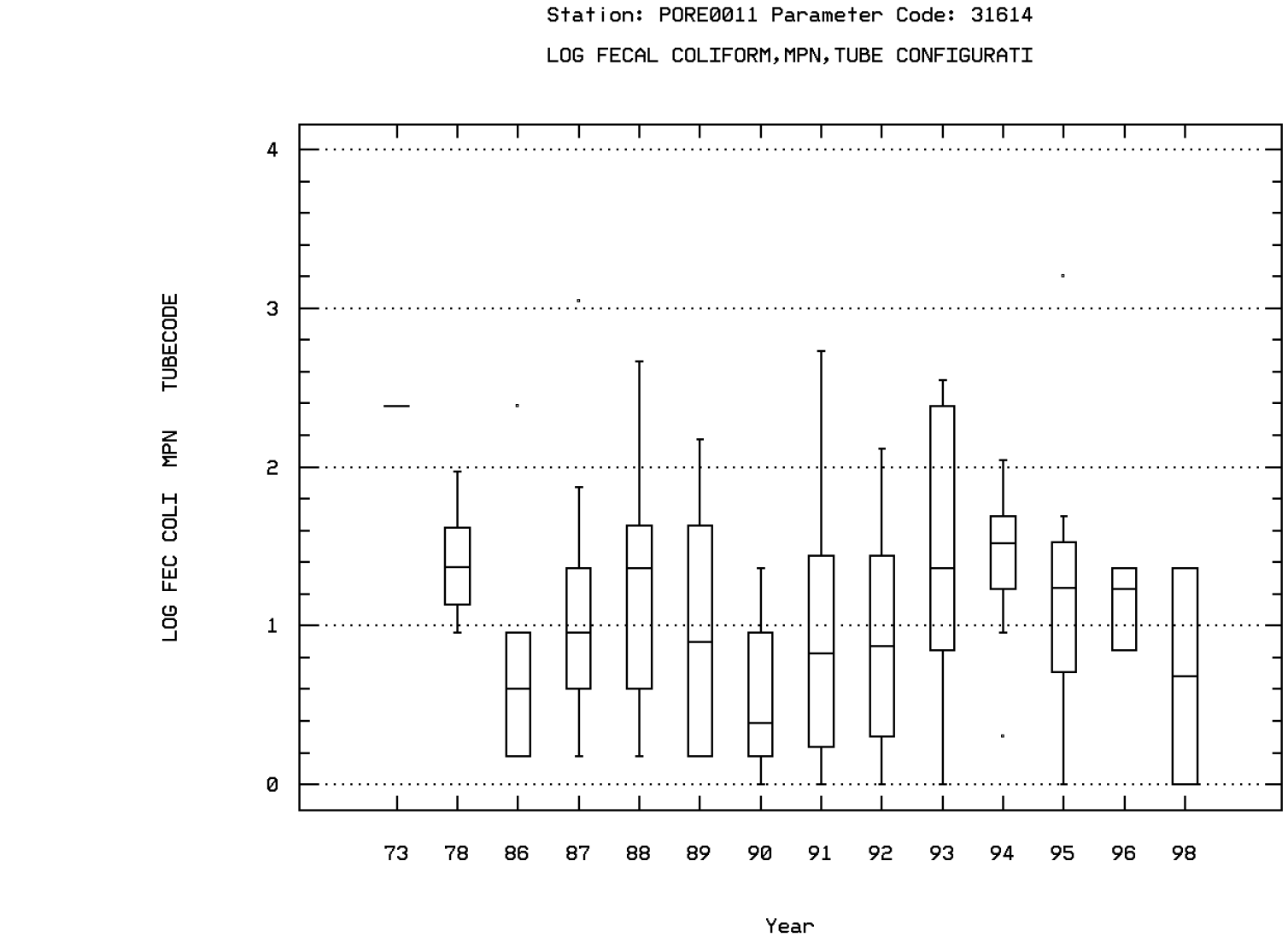
EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS

Station: PORE0011 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	58	0.05	0.083	0.56	0.	0.008	0.09	0.019	0.04	0.1	0.191
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	54	0.735	1.067	6.84	0.	1.313	1.146	0.03	0.3	1.348	2.525
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	47	210.	401.106	1600.	3.	205433.662	453.248	21.4	70.	633.	1100.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	47	2.322	2.244	3.204	0.477	0.425	0.652	1.325	1.845	2.801	3.041
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			175.275								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	47	11.	36.043	350.	1.	4792.879	69.231	1.5	4.	31.	97.2
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	47	1.041	1.061	2.544	0.	0.444	0.667	0.176	0.602	1.491	1.987
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			11.501								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	10 ##	0.025	0.021	0.025	0.01	0.	0.006	0.01	0.013	0.025	0.025

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	39	0.1	0.252	3.7	0.	0.423	0.65	0.027	0.05	0.18	0.225
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	34	1.2	1.968	13.2	0.205	7.282	2.698	0.373	0.75	2.1	4.82
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	23	240.	568.87	2400.	21.	388383.028	623.204	31.	79.	920.	1400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	23	2.38	2.403	3.38	1.322	0.408	0.639	1.47	1.898	2.964	3.139
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			252.864								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	23	13.	132.37	1600.	1.5	119930.619	346.31	1.5	5.	49.	464.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	23	1.114	1.293	3.204	0.176	0.664	0.815	0.176	0.699	1.69	2.657
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			19.613								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

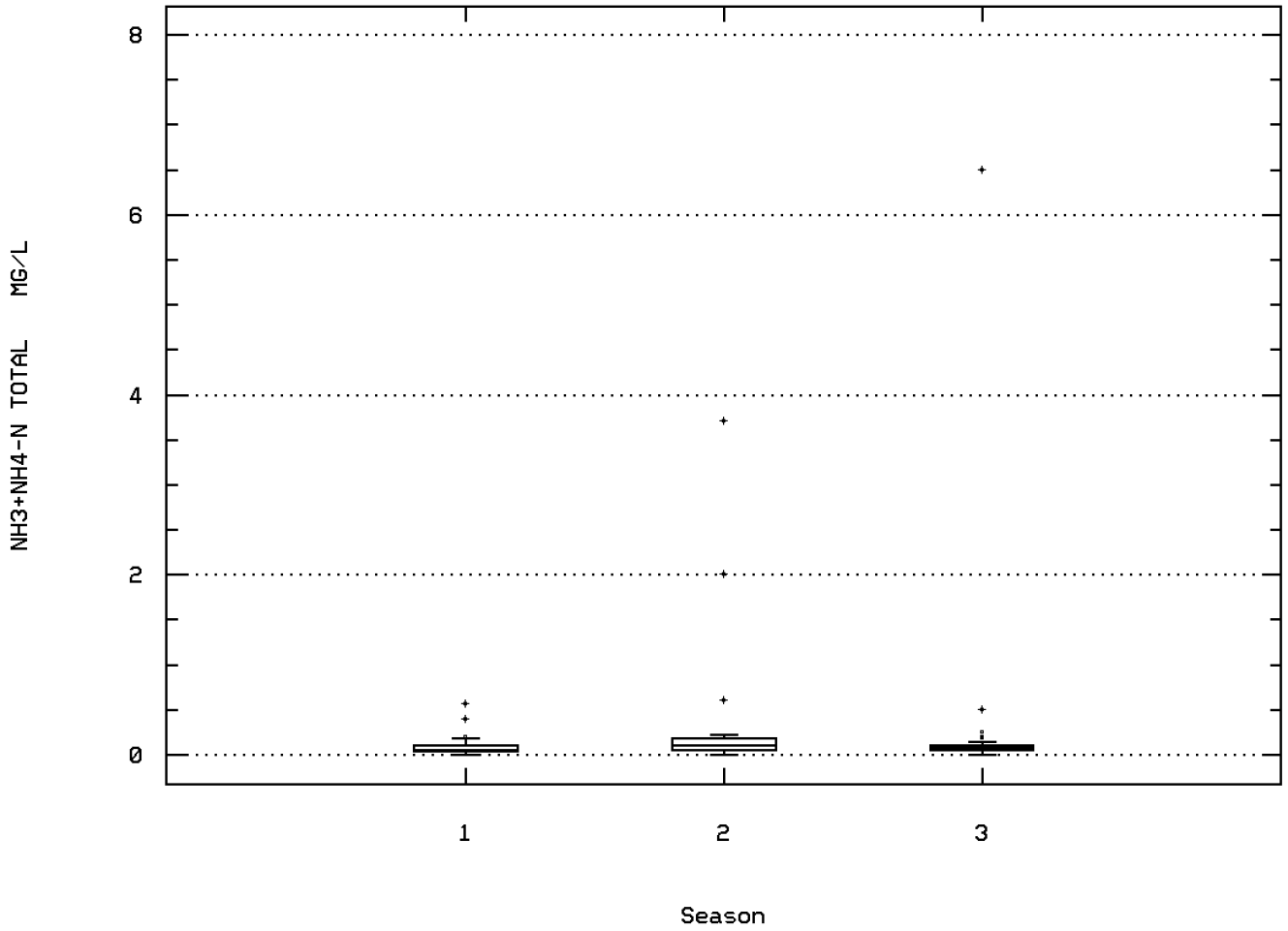
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	68	0.08	0.185	6.5	0.	0.612	0.782	0.01	0.05	0.1	0.191
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	66	1.25	1.447	15.05	0.2	3.412	1.847	0.358	0.573	1.7	2.252
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	49	240.	480.204	2400.	5.	340532.416	583.552	22.	86.	540.	1600.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	49	2.38	2.316	3.38	0.699	0.451	0.671	1.342	1.933	2.732	3.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			207.181								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	49	9.	62.071	1100.	1.	29438.708	171.577	1.5	1.5	46.	170.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	49	0.954	1.018	3.041	0.	0.658	0.811	0.176	0.176	1.662	2.23
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			10.423								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	11 ##	0.025	0.023	0.025	0.013	0.	0.005	0.013	0.025	0.025	0.025

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

Station: PORE0011 Parameter Code: 00610

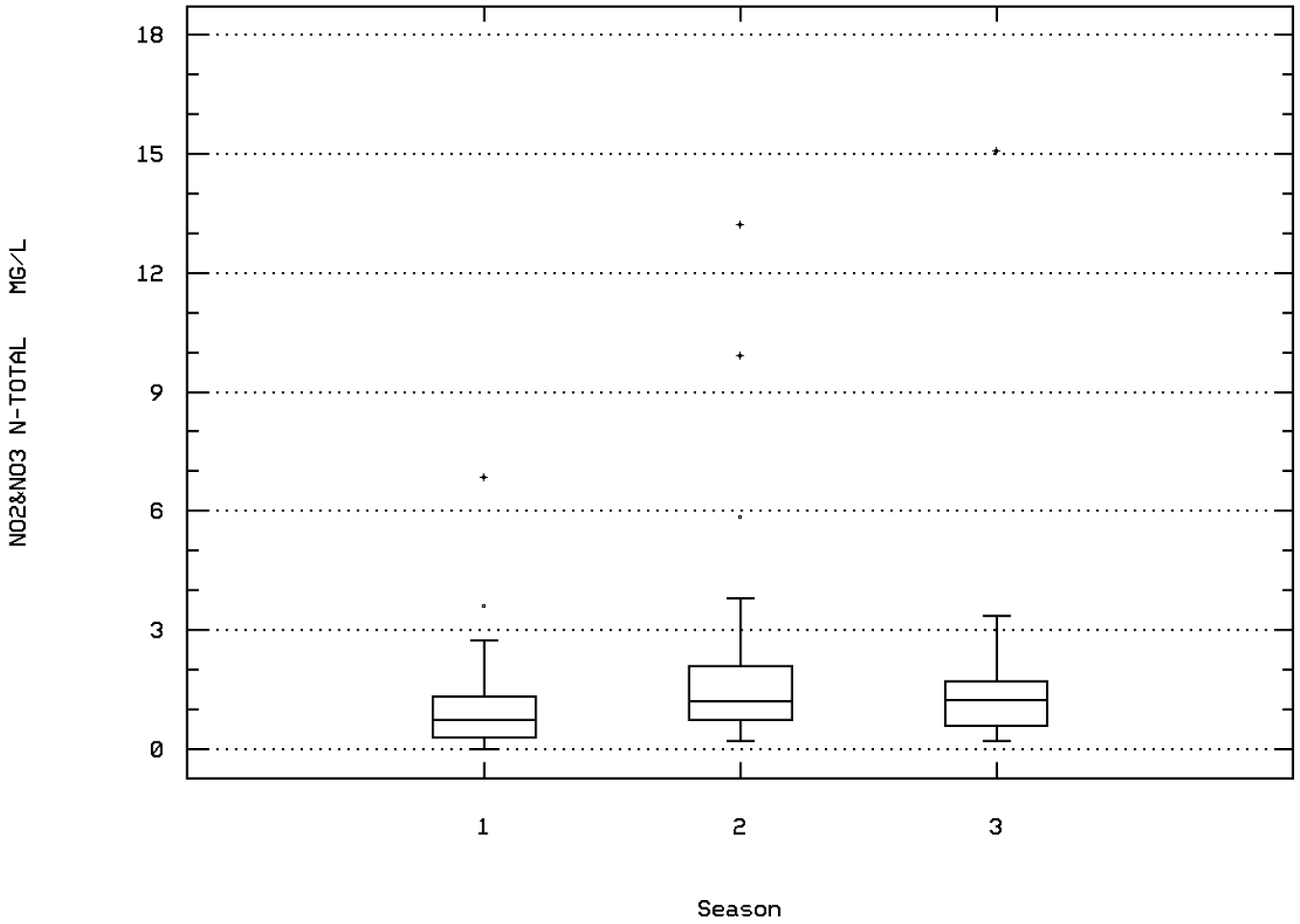
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS

Station: PORE0011 Parameter Code: 00630

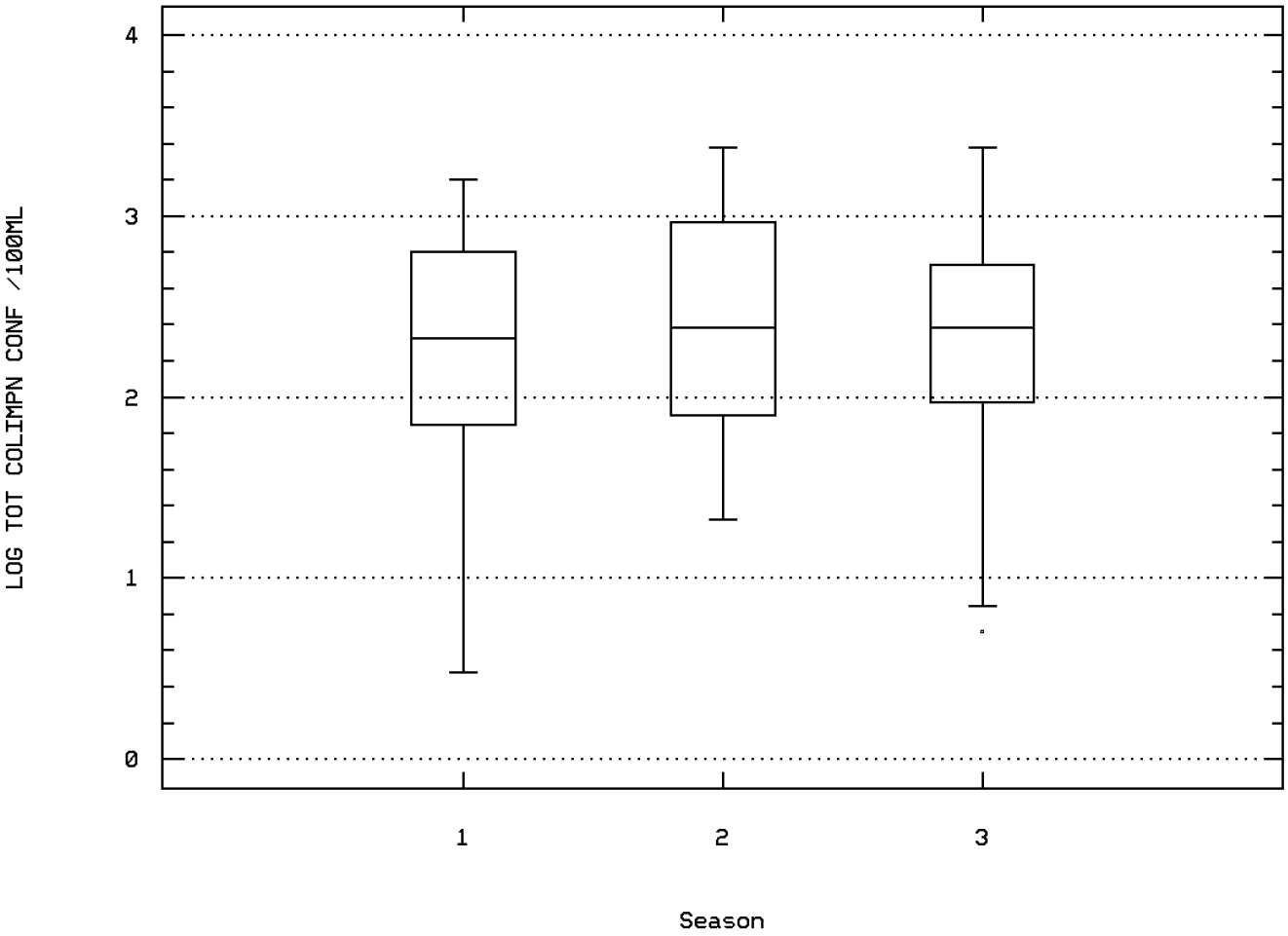
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS

Station: PORE0011 Parameter Code: 31505

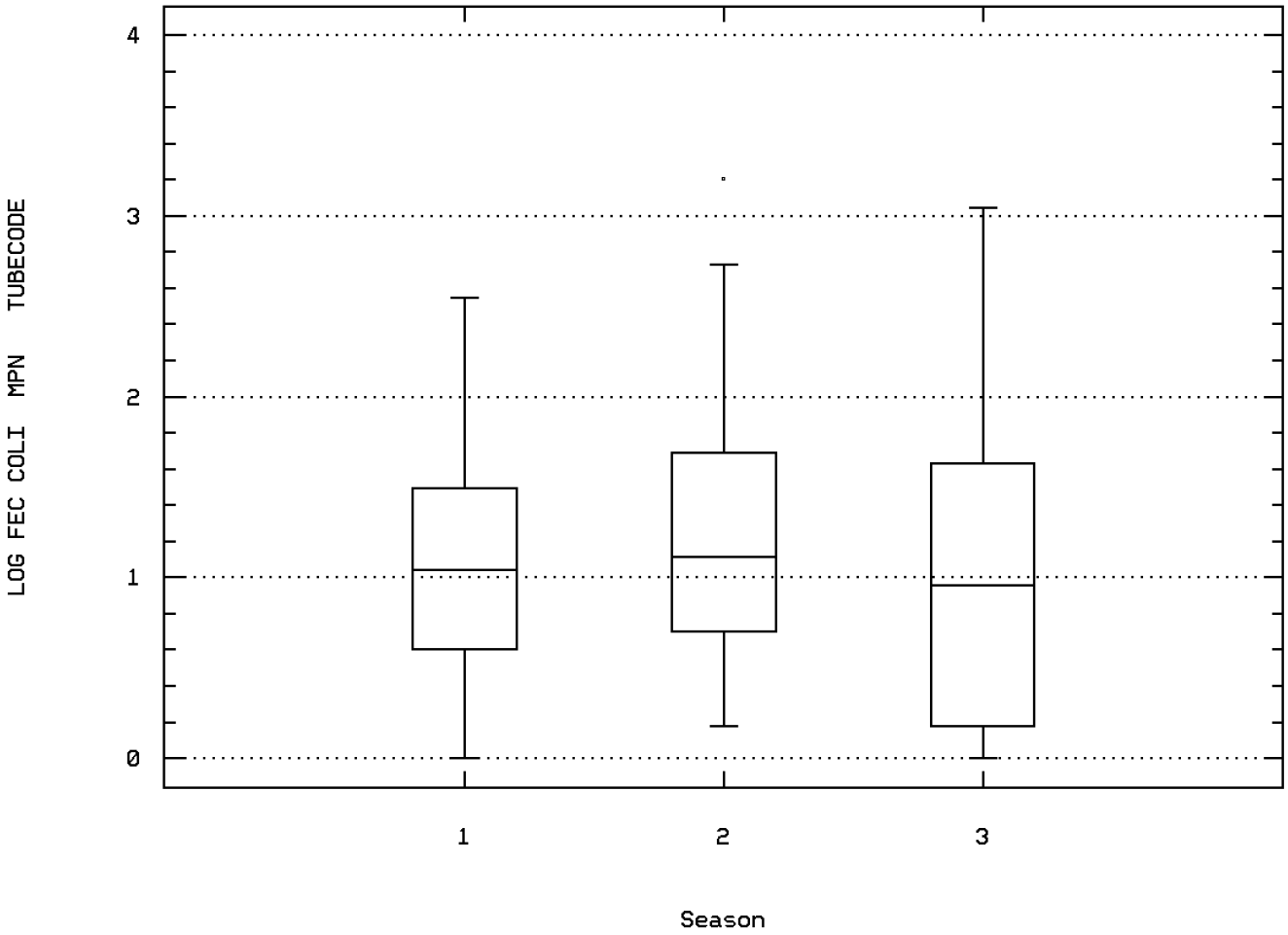
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS

Station: PORE0011 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



EASKOOT CREEK NEAR BRIDGE ON MATT DAVIS

Station Inventory for Station: PORE0012

NPS Station ID: PORE0012 LAT/LON: 37.905698/-122.650838 Agency: 11NPSWRD Date Created: 04/03/99
Location: BOLINAS LAGOON NEAR EASKOOT CREEK INLET FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_SBWD_S6
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BOLINAS LAGOON NEAR THE EASKOOT CREEK INLET AND IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	162	0.2	0.636	4.5	0.	0.991	0.995	0.077	0.1	0.65	1.74
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	9	0.3	0.447	1.2	0.	0.146	0.382	0.	0.135	0.675	1.2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/94-06/02/98	3	0.9	0.867	1.1	0.6	0.063	0.252	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	161	0.7	1.062	7.2	0.	1.266	1.125	0.068	0.4	1.4	2.5
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	131	2400.	4710.164	24000.	1.5	33250298.252	5766.307	258.	930.	5400.	15000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	131	3.38	3.302	4.38	0.176	0.516	0.718	2.408	2.968	3.732	4.172
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2005.471								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	132	330.	1018.045	16000.	1.5	3937091.277	1984.21	45.1	131.75	930.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	132	2.519	2.526	4.204	0.176	0.502	0.709	1.653	2.12	2.968	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			335.564								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	02/18/87-02/06/96	23 ##	0.025	0.024	0.071	0.01	0.	0.012	0.013	0.025	0.025	0.025

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

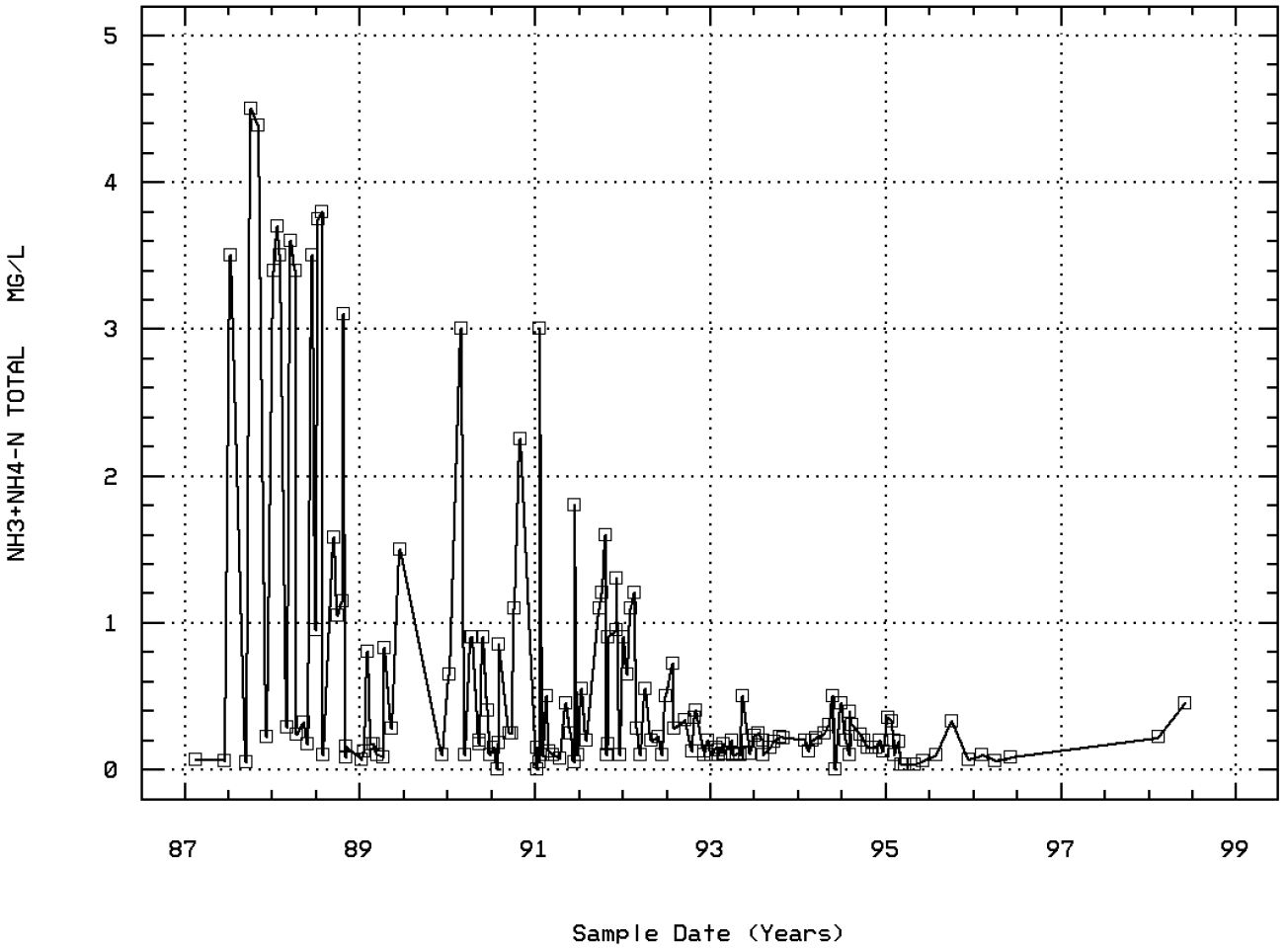
EPA Water Quality Criteria Analysis for Station: PORE0012

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	131	95	0.73	54	41	0.76	23	19	0.83	54	35	0.65			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	132	92	0.70	54	43	0.80	24	19	0.79	54	30	0.56			

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

Station: PORE0012 Parameter Code: 00610

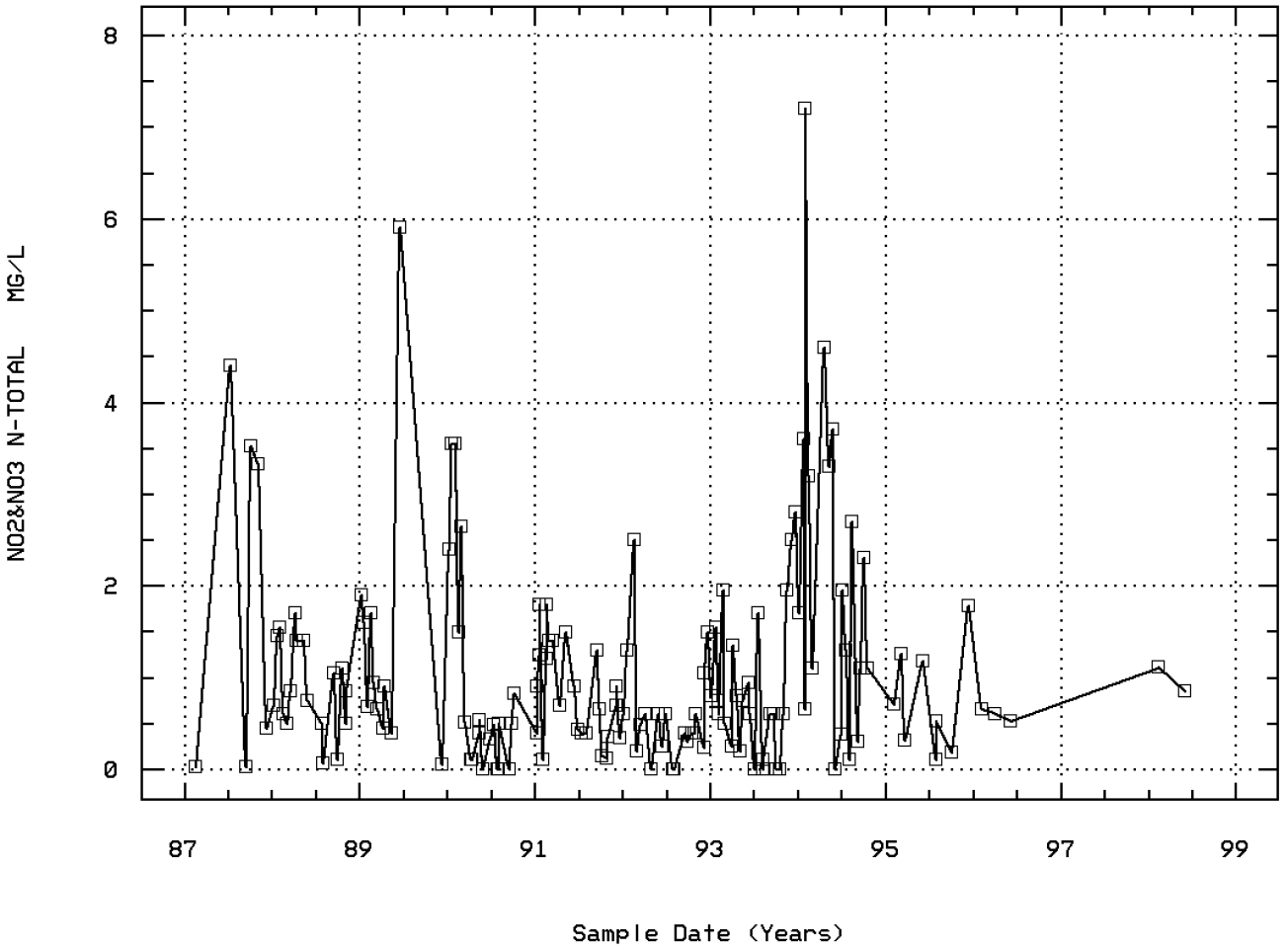
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 00630

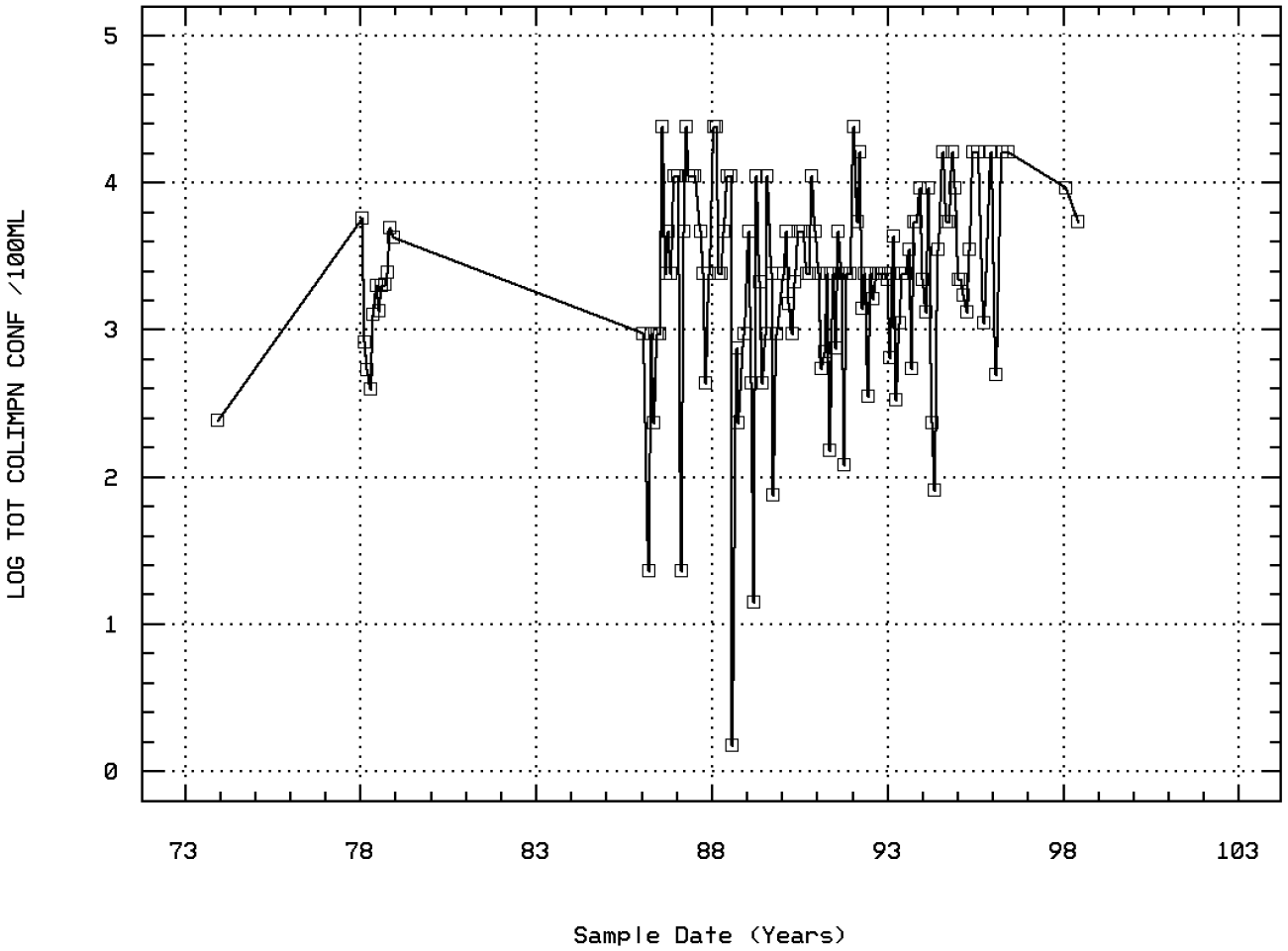
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 31505

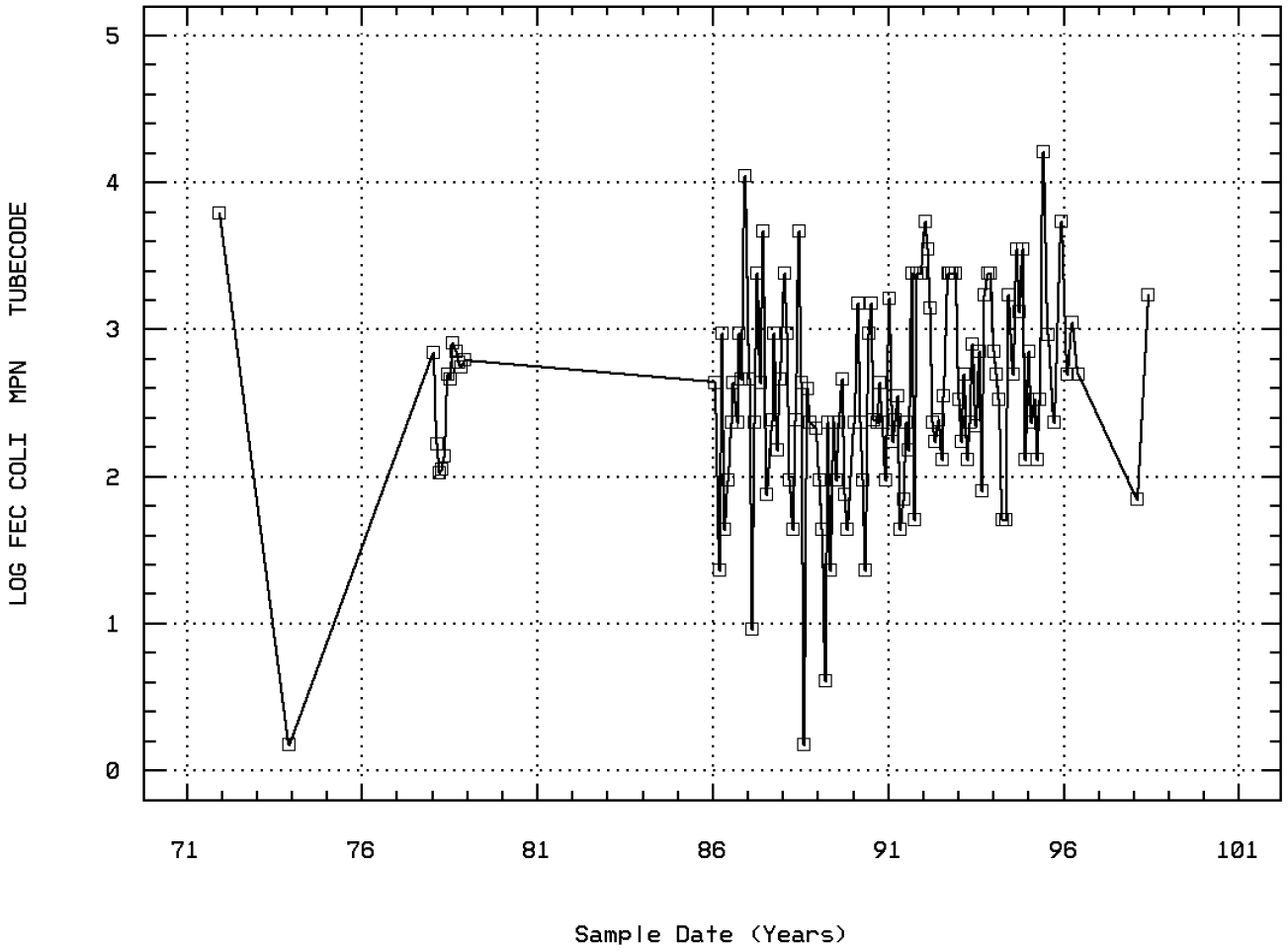
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Annual Analysis for 1971 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	1	6200.	6200.	6200.	6200.	0.	0.	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	1	3.792	3.792	3.792	3.792	0.	0.	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			6200.								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			240.								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.5								

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

Annual Analysis for 1978 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	1978.	2298.75	5720.	393.	3020691.477	1738.014	433.8	931.25	3781.5	5462.6
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	3.296	3.235	3.757	2.594	0.134	0.366	2.633	2.961	3.567	3.736
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1717.411								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	526.5	453.75	804.	106.	65659.477	256.241	107.5	144.25	673.25	772.5
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.721	2.557	2.905	2.025	0.117	0.342	2.031	2.158	2.828	2.887
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			360.946								

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

Annual Analysis for 1986 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	930.	4397.545	24000.	23.	52047056.273	7214.365	64.4	930.	4600.	21400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	2.968	3.131	4.38	1.362	0.662	0.814	1.562	2.968	3.663	4.312
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1352.404								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	430.	1345.364	11000.	23.	10351799.055	3217.421	27.	93.	930.	8986.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.633	2.509	4.041	1.362	0.524	0.724	1.416	1.968	2.968	3.827
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			322.592								

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

Annual Analysis for 1987 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	7	0.22	1.827	4.5	0.05	4.744	2.178	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	7	1.	1.819	4.4	0.025	3.47	1.863	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	4600.	7495.727	24000.	23.	49598022.818	7042.586	104.4	2400.	11000.	21400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	3.663	3.512	4.38	1.362	0.735	0.857	1.616	3.38	4.041	4.312
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3247.415								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	430.	907.636	4600.	9.	1946986.455	1395.345	22.2	150.	930.	4160.

** - Less than 9 observations ## - Computed with 50% or 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 PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.633	2.52	3.663	0.954	0.533	0.73	1.138	2.176	2.968	3.606
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			330.977								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	20	1.365	1.892	3.8	0.08	2.469	1.571	0.106	0.253	3.5	3.745
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	18	0.85	0.892	1.7	0.06	0.231	0.48	0.096	0.5	1.4	1.565
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	2400.	7391.955	24000.	1.5	82710939.023	9094.555	47.2	750.	11000.	24000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	3.38	3.241	4.38	0.176	1.447	1.203	0.613	2.875	4.041	4.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1740.623								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	240.	869.773	4600.	1.5	1996544.968	1412.991	9.8	93.	930.	4160.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	2.38	2.371	3.663	0.176	0.869	0.932	0.468	1.968	2.968	3.606
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			234.825								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	11	0.17	0.384	1.5	0.07	0.214	0.463	0.072	0.1	0.8	1.366
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	11	0.9	1.381	5.9	0.055	2.586	1.608	0.124	0.45	1.7	5.1
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11	930.	3082.636	11000.	14.	17090630.455	4134.082	26.2	430.	4600.	11000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11	2.968	2.97	4.041	1.146	0.782	0.884	1.292	2.633	3.663	4.041
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			933.853								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	93.	138.545	460.	4.	18632.273	136.5	7.8	43.	230.	414.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	11	1.968	1.89	2.663	0.602	0.335	0.579	0.754	1.633	2.362	2.603
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			77.636								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	18	0.325	0.686	3.	0.	0.635	0.797	0.09	0.169	0.9	2.325
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	20	0.5	0.947	3.55	0.	1.345	1.16	0.	0.1	1.375	3.46
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	3500.	3810.833	11000.	930.	7030499.242	2651.509	1101.	2175.	4600.	9080.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	3.521	3.497	4.041	2.968	0.081	0.284	3.031	3.337	3.663	3.928
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3139.671								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	230.	477.417	1500.	23.	281973.356	531.012	44.	127.25	805.	1500.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.362	2.423	3.176	1.362	0.276	0.525	1.544	2.067	2.885	3.176
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			265.051								

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

Annual Analysis for 1991 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	27	0.25	0.608	3.	0.	0.504	0.71	0.05	0.1	1.	1.64
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	27	0.9	0.851	1.8	0.1	0.245	0.495	0.144	0.4	1.25	1.56
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	2400.	1771.667	4600.	120.	1766851.515	1329.23	129.	580.	2400.	3940.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	3.38	3.054	3.663	2.079	0.264	0.514	2.108	2.761	3.38	3.578
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1133.237								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	235.	841.917	2400.	43.	1057069.538	1028.139	45.1	90.	2200.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.371	2.518	3.38	1.633	0.441	0.664	1.653	1.928	3.336	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			329.536								

** - 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 1992 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	20	0.31	0.422	1.2	0.1	0.113	0.336	0.1	0.14	0.625	1.08
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	21	0.49	0.62	2.5	0.	0.349	0.591	0.	0.245	0.8	1.46
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	2400.	5262.5	24000.	350.	51639602.273	7186.07	665.	1800.	4650.	21600.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	3.38	3.458	4.38	2.544	0.229	0.478	2.725	3.248	3.644	4.327
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2868.748								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	1900.	1751.667	5400.	130.	2715342.424	1647.83	142.	232.5	2400.	4830.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	3.263	2.964	3.732	2.114	0.345	0.587	2.149	2.366	3.38	3.676
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			921.481								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	21	0.15	0.173	0.5	0.1	0.008	0.09	0.1	0.105	0.205	0.246
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	25	0.605	0.876	2.8	0.	0.629	0.793	0.	0.225	1.45	2.17
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	2400.	3117.5	9200.	330.	6859493.182	2619.063	393.	755.	5125.	8060.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	3.38	3.317	3.964	2.519	0.204	0.451	2.583	2.865	3.708	3.894
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2076.283								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	410.	803.25	2400.	79.	753083.114	867.804	94.3	182.5	1472.5	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.604	2.657	3.38	1.898	0.248	0.498	1.963	2.258	3.147	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			454.332								

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

Annual Analysis for 1994 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	20	0.2	0.222	0.5	0.	0.014	0.12	0.102	0.15	0.288	0.444
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	19	1.7	2.12	7.2	0.	3.368	1.835	0.105	0.655	3.3	4.6
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	4450.	5710.	16000.	10.	33380927.273	5777.623	31.	497.5	9200.	16000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	3.638	3.255	4.204	1.	1.008	1.004	1.271	2.55	3.964	4.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1800.893								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	490.	1020.833	3500.	10.	1606899.242	1267.635	22.	70.	1600.	3500.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	12	2.69	2.557	3.544	1.	0.63	0.793	1.21	1.803	3.201	3.544
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			360.884								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	13	0.1	0.149	0.35	0.033	0.014	0.119	0.033	0.049	0.265	0.342
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	8	0.617	0.756	1.78	0.105	0.356	0.596	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	9	2200.	6666.667	16000.	1100.	49465000.	7033.136	1100.	1500.	16000.	16000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	9	3.342	3.581	4.204	3.041	0.239	0.489	3.041	3.172	4.204	4.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3808.766								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	330.	2696.667	16000.	130.	27673600.	5260.57	130.	230.	3160.	16000.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	9	2.519	2.847	4.204	2.114	0.483	0.695	2.114	2.362	3.348	4.204
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			702.502								

** - 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 1996 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	3	0.084	0.08	0.1	0.055	0.001	0.023	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	3	0.6	0.592	0.655	0.52	0.005	0.068	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	3	16000.	10830.	16000.	490.	80186700.	8954.703	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	3	4.204	3.699	4.204	2.69	0.764	0.874	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5005.86								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	3	490.	693.333	1100.	490.	124033.333	352.184	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	3	2.69	2.807	3.041	2.69	0.041	0.203	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			641.596								

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

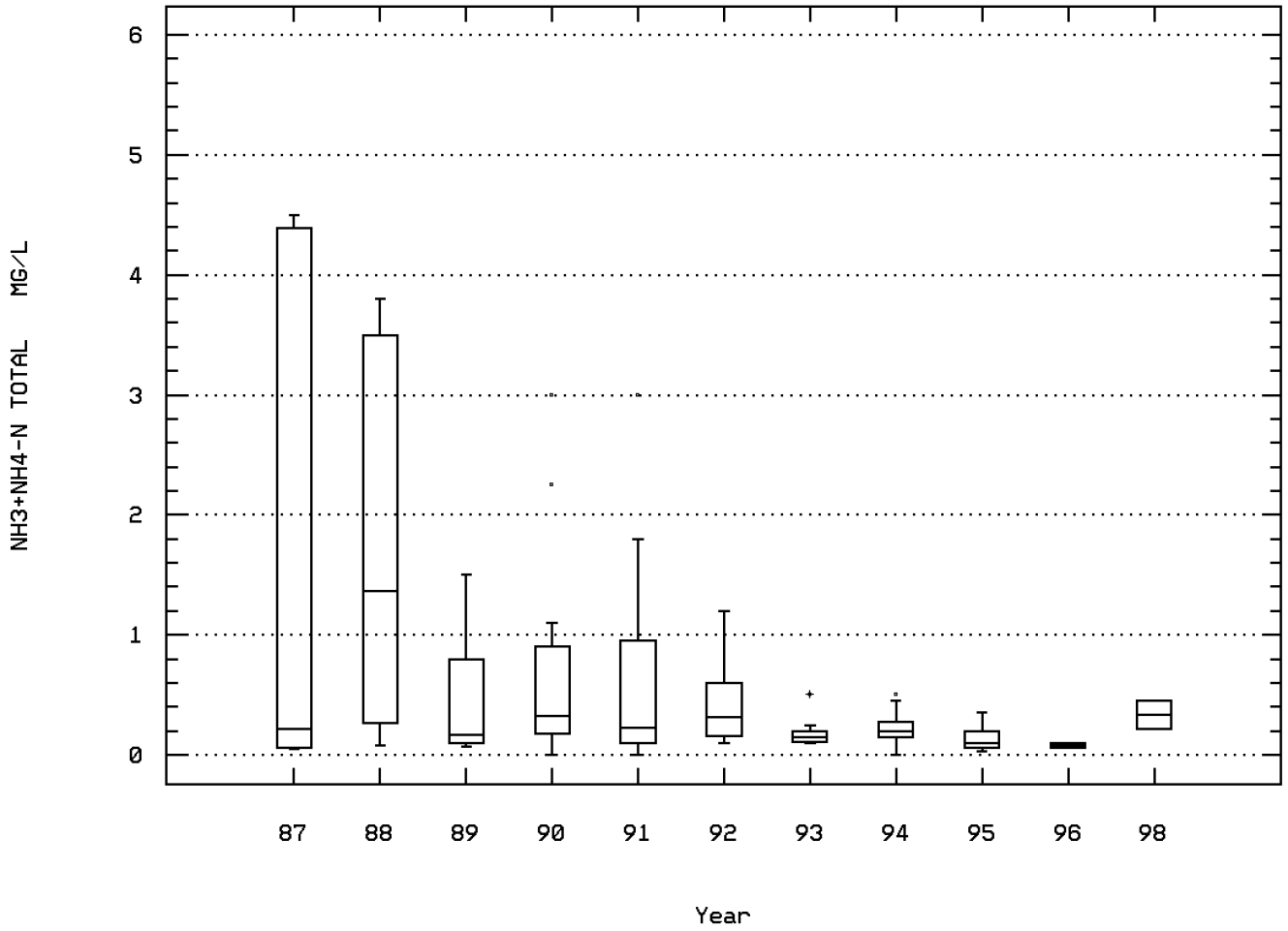
Annual Analysis for 1998 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	2	0.335	0.335	0.45	0.22	0.026	0.163	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	2	0.985	0.985	1.12	0.85	0.036	0.191	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	2	7300.	7300.	9200.	5400.	7220000.	2687.006	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	2	3.848	3.848	3.964	3.732	0.027	0.164	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7048.404								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	885.	885.	1700.	70.	1328450.	1152.584	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	2	2.538	2.538	3.23	1.845	0.96	0.98	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			344.964								

** - 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: PORE0012 Parameter Code: 00610

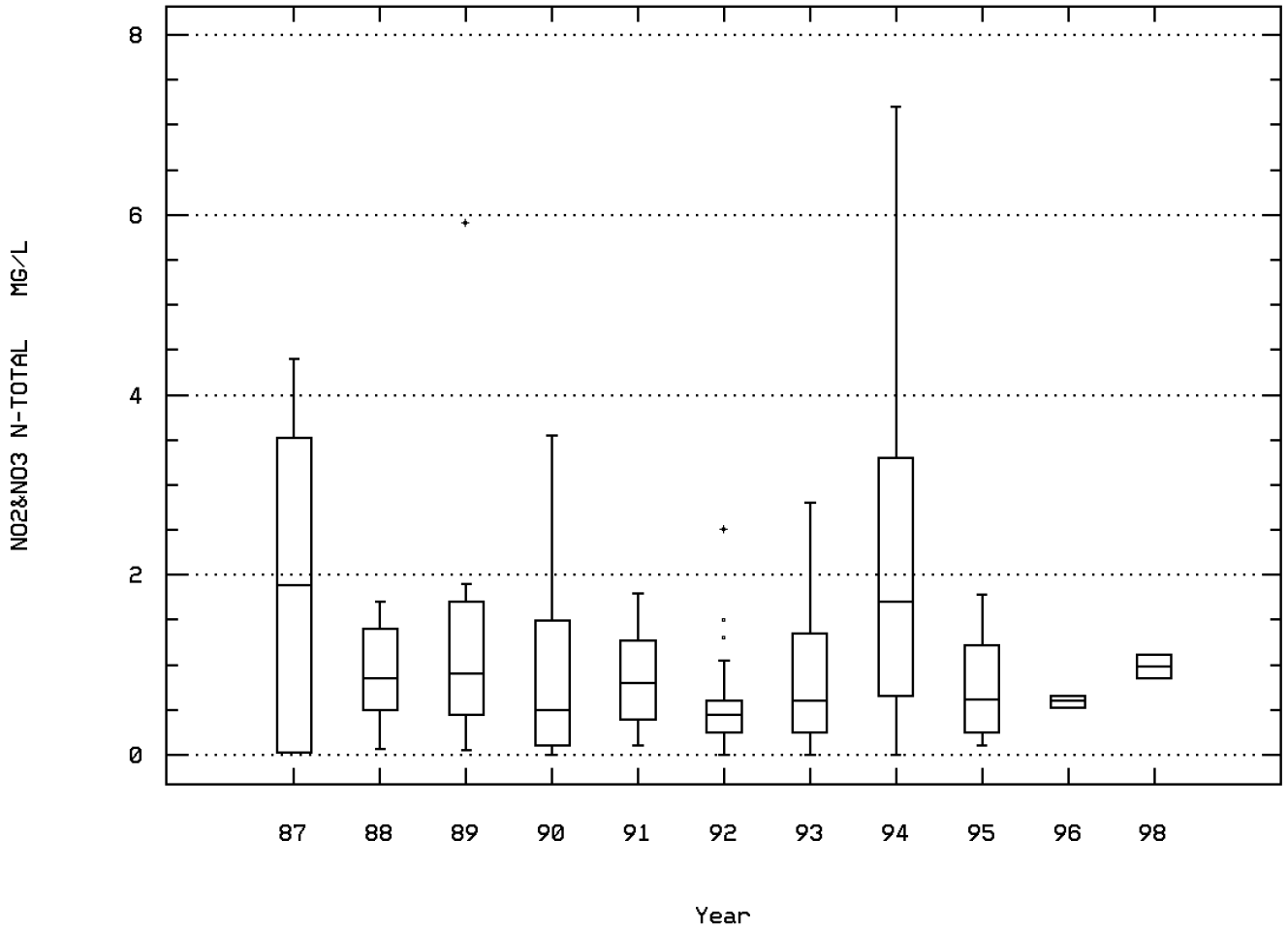
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 00630

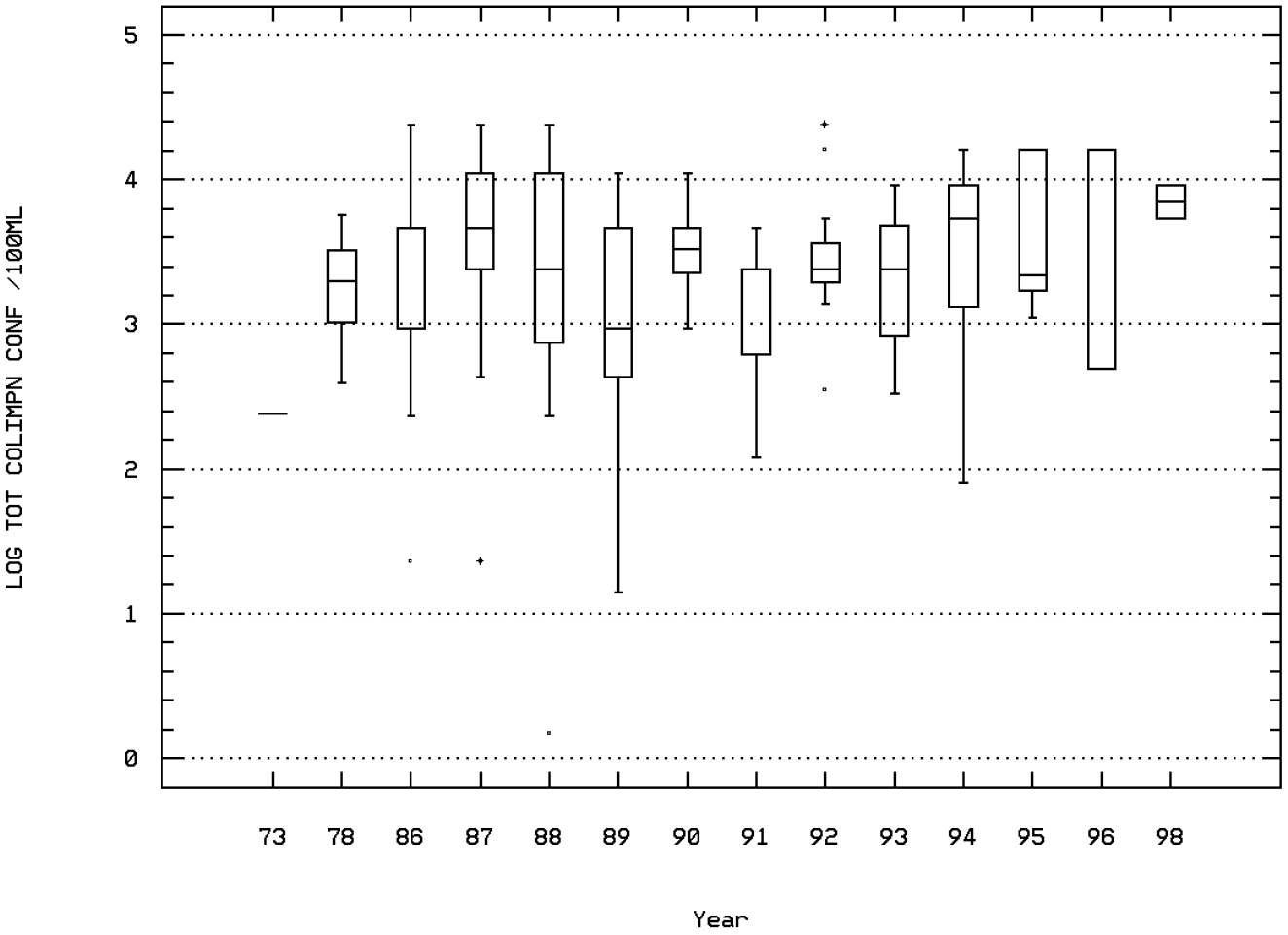
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 31505

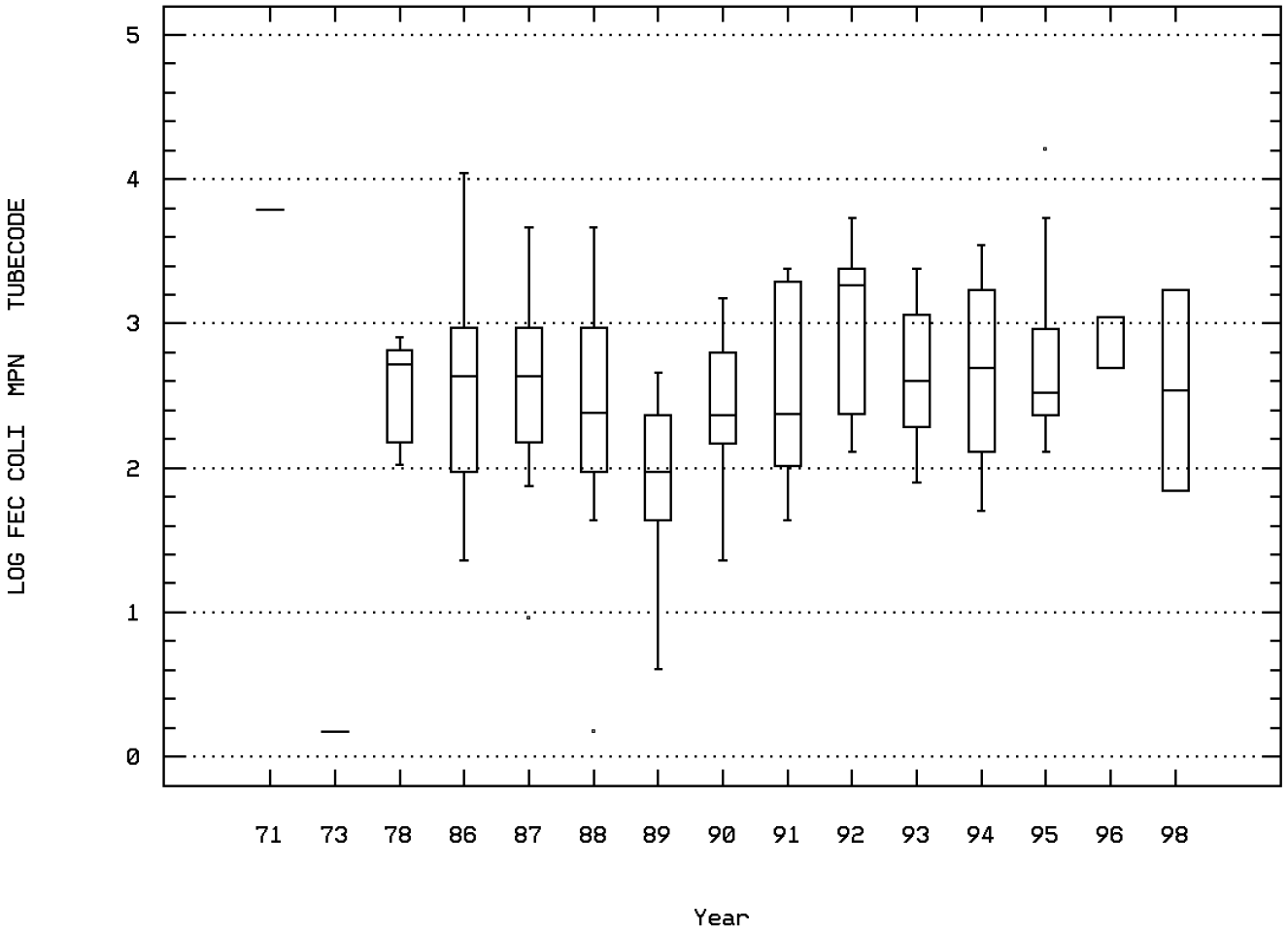
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	62	0.25	0.686	4.5	0.	1.049	1.024	0.067	0.108	0.863	1.734
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	62	0.51	0.834	5.9	0.	1.255	1.12	0.	0.105	1.	2.195
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	54	2400.	4565.25	24000.	1.5	27258560.073	5220.973	290.	1057.5	5400.	13500.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	54	3.38	3.309	4.38	0.176	0.576	0.759	2.453	3.023	3.732	4.123
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2036.446								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	430.	1095.046	16000.	1.5	5367155.512	2316.712	75.	230.	930.	2400.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	2.633	2.606	4.204	0.176	0.443	0.666	1.875	2.362	2.968	3.38
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			403.948								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	02/18/87-02/06/96	9 ##	0.025	0.022	0.025	0.01	0.	0.006	0.01	0.019	0.025	0.025

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	37	0.2	0.669	4.39	0.	1.065	1.032	0.078	0.11	0.9	2.42
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	35	0.85	1.028	3.32	0.	0.658	0.811	0.192	0.4	1.5	2.44
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	23	2400.	5000.565	16000.	240.	22317189.893	4724.107	630.	2200.	9200.	14000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	23	3.38	3.495	4.204	2.38	0.221	0.47	2.767	3.342	3.964	4.139
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3126.131								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	24	661.5	1882.771	11000.	1.5	6638714.826	2576.57	68.	215.	2400.	5800.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	24	2.82	2.801	4.041	0.176	0.709	0.842	1.801	2.332	3.38	3.762
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			632.007								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	02/18/87-02/06/96	4 ##	0.019	0.03	0.071	0.013	0.001	0.028	**	**	**	**

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

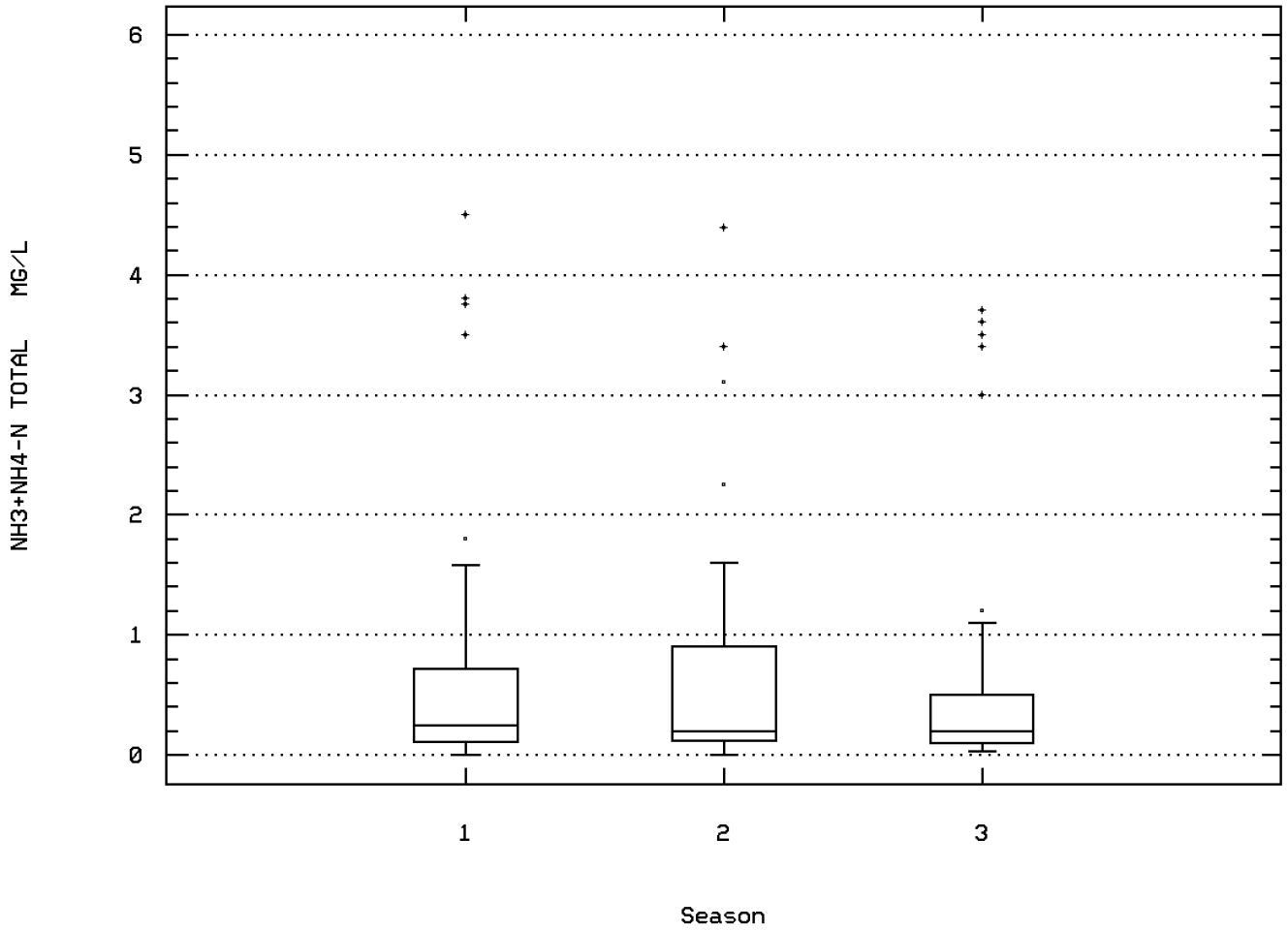
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/18/87-06/02/98	63	0.2	0.566	3.7	0.033	0.914	0.956	0.072	0.1	0.5	2.28
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/87-06/02/98	64	0.975	1.3	7.2	0.	1.535	1.239	0.2	0.518	1.55	3.25
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	54	2100.	4731.389	24000.	14.	44976583.487	6706.458	190.	615.	4800.	16000.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	54	3.322	3.213	4.38	1.146	0.574	0.758	2.269	2.788	3.68	4.204
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1634.727								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	230.	556.722	5400.	4.	921714.506	960.06	33.	93.	490.	1550.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/71-06/02/98	54	2.362	2.323	3.732	0.602	0.408	0.639	1.498	1.968	2.69	3.19
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			210.39								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	02/18/87-02/06/96	10 ##	0.025	0.024	0.025	0.013	0.	0.004	0.014	0.025	0.025	0.025

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

Station: PORE0012 Parameter Code: 00610

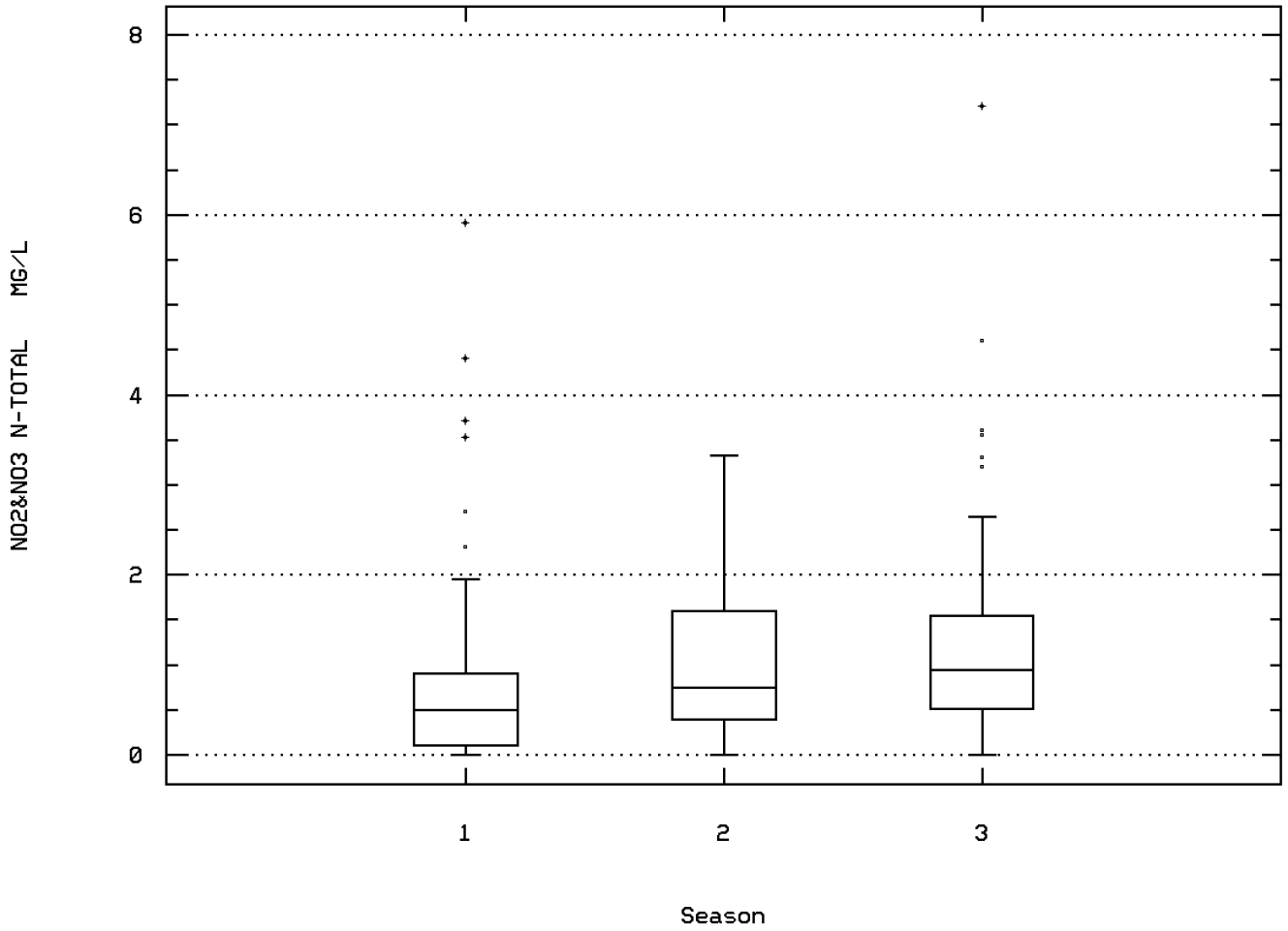
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 00630

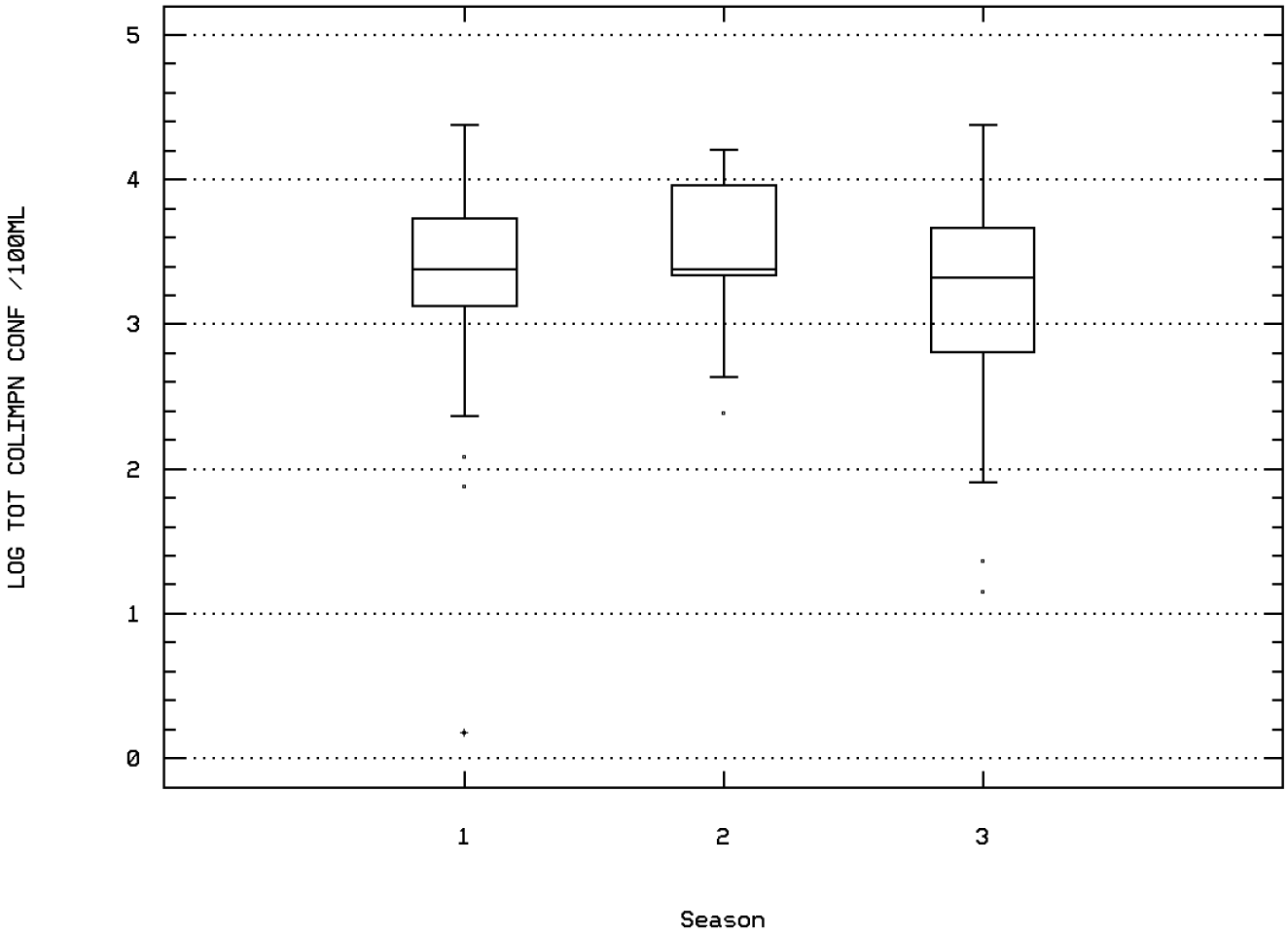
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 31505

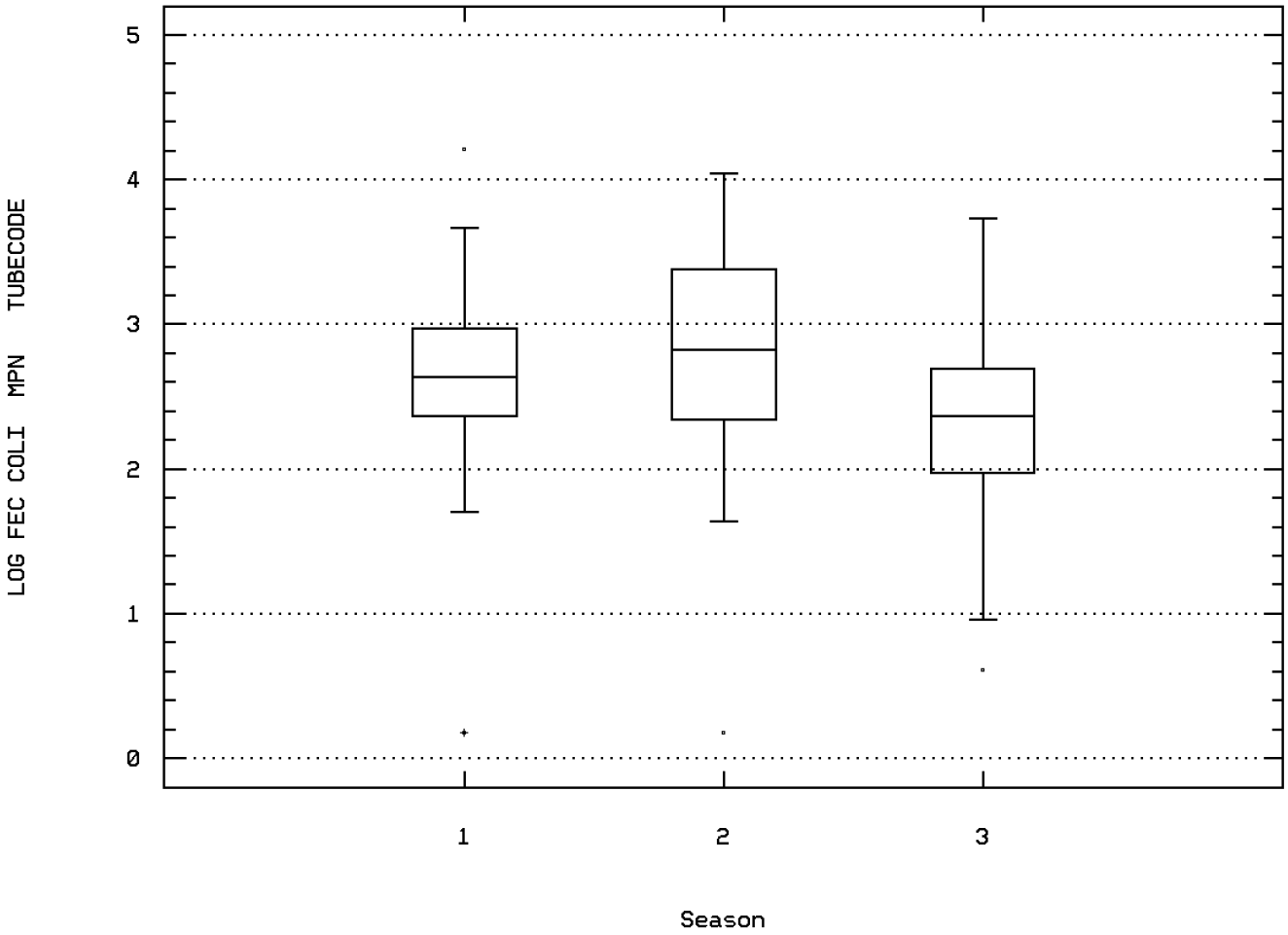
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station: PORE0012 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



BOLINAS LAGOON NEAR EASKOOT CREEK INLET

Station Inventory for Station: PORE0013

NPS Station ID: PORE0013 LAT/LON: 37.905472/-122.654427 Agency: 11NPSWRD Date Created: 04/03/99
Location: INNER SEADRIFT LAGOON; 141 SEADRIFT ROAD FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_SBWD_S7D
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE AT THE INNER SEADRIFT LAGOON NEAR 141 SEADRIFT ROAD AND IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/04/93-06/02/98	19	2.	16.421	110.	1.	693.813	26.34	1.	1.	33.	33.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/04/93-06/02/98	19	0.301	0.672	2.041	0.	0.552	0.743	0.	0.	1.519	1.519
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.696								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	19 ##	1.	6.947	79.	1.	329.608	18.155	1.	1.	4.	23.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	19 ##	0.	0.319	1.898	0.	0.278	0.527	0.	0.	0.602	1.362
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.086								

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

EPA Water Quality Criteria Analysis for Station: PORE0013

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	19	0	0.00	13	0	0.00	3	0	0.00	3	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	19	0	0.00	13	0	0.00	3	0	0.00	3	0	0.00			

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

Station Inventory for Station: PORE0014

NPS Station ID: PORE0014 LAT/LON: 37.906792/-122.658722 Agency: 11NPSWRD Date Created: 04/03/99
Location: INNER SEADRIFT LAGOON; 175 SEADRIFT ROAD FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_SBWD_S7A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE AT THE INNER SEADRIFT LAGOON NEAR 175 SEADRIFT ROAD AND IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. THIS SITE WAS ALSO REFERRED TO AS SITE S7. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	151	0.1	0.726	4.51	0.	1.443	1.201	0.04	0.06	0.85	3.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/94-06/02/98	8	0.315	0.36	0.9	0.	0.089	0.299	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/94-06/02/98	2 ##	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	156	0.725	1.044	10.	0.	1.472	1.213	0.055	0.2	1.5	2.165
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	149 ##	1.5	24.574	1600.	1.	18933.643	137.6	1.	1.	5.	23.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	149 ##	0.176	0.478	3.204	0.	0.394	0.627	0.	0.	0.699	1.362
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.005								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	149 ##	1.5	15.473	1600.	1.	17433.209	132.035	1.	1.	1.75	5.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	149 ##	0.176	0.259	3.204	0.	0.201	0.448	0.	0.	0.239	0.699
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.817								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	23 ##	0.025	0.034	0.09	0.01	0.001	0.023	0.013	0.025	0.052	0.078

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

EPA Water Quality Criteria Analysis for Station: PORE0014

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	149	1	0.01	66	0	0.00	26	1	0.04	57	0	0.00			

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

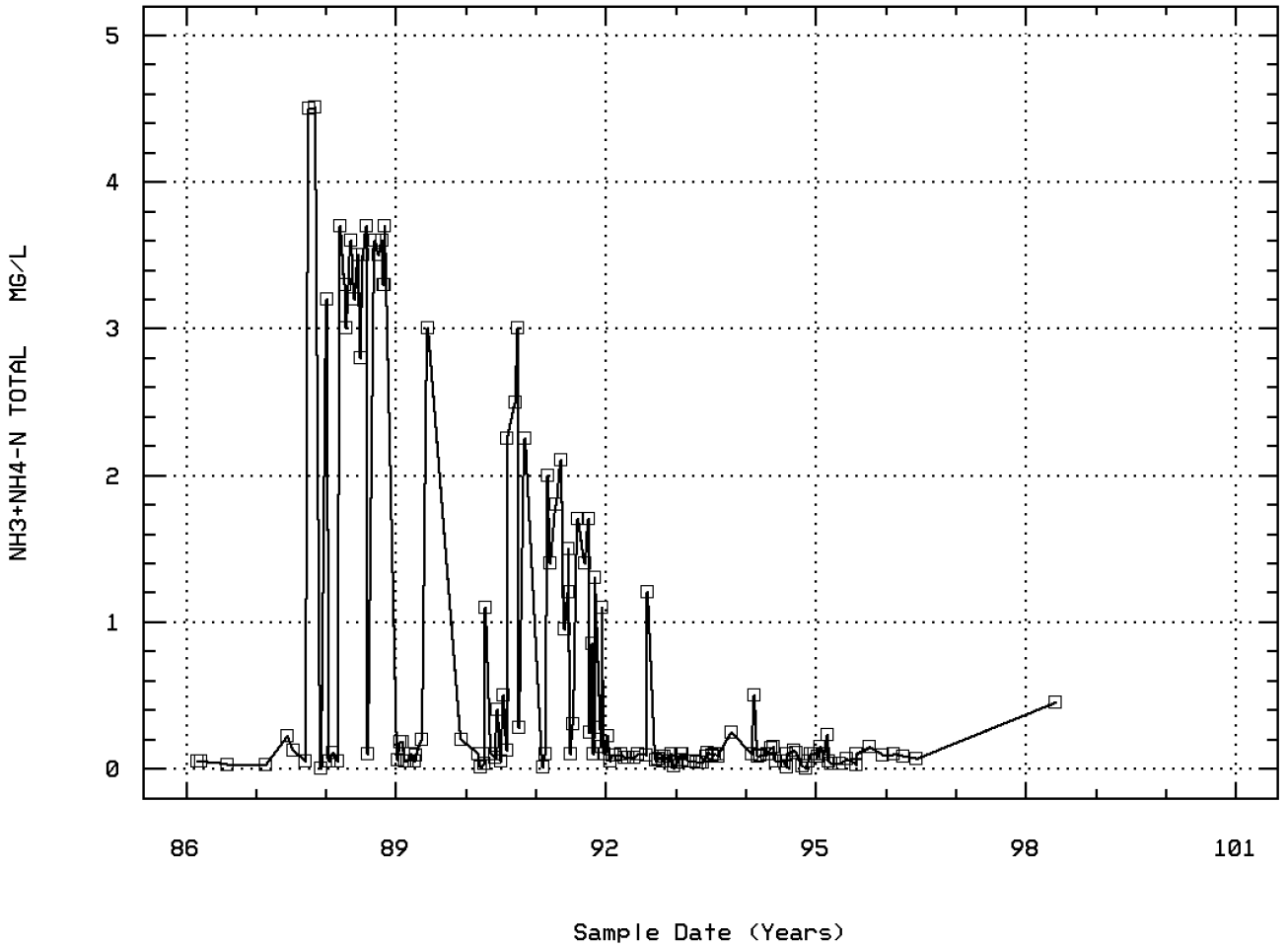
EPA Water Quality Criteria Analysis for Station: PORE0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	149	1	0.01	65	0	0.00	27	1	0.04	57	0	0.00			

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

Station: PORE0014 Parameter Code: 00610

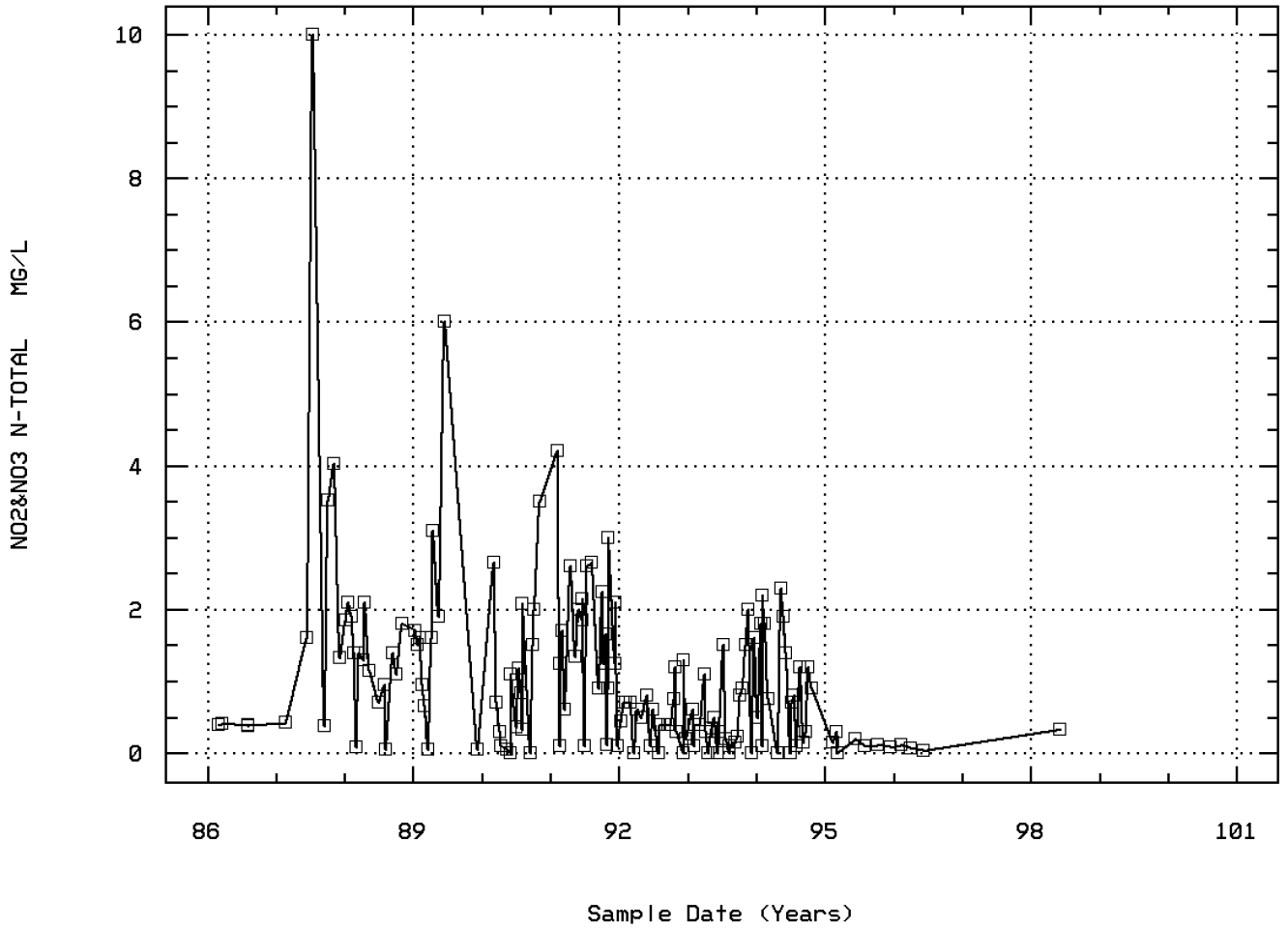
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station: PORE0014 Parameter Code: 00630

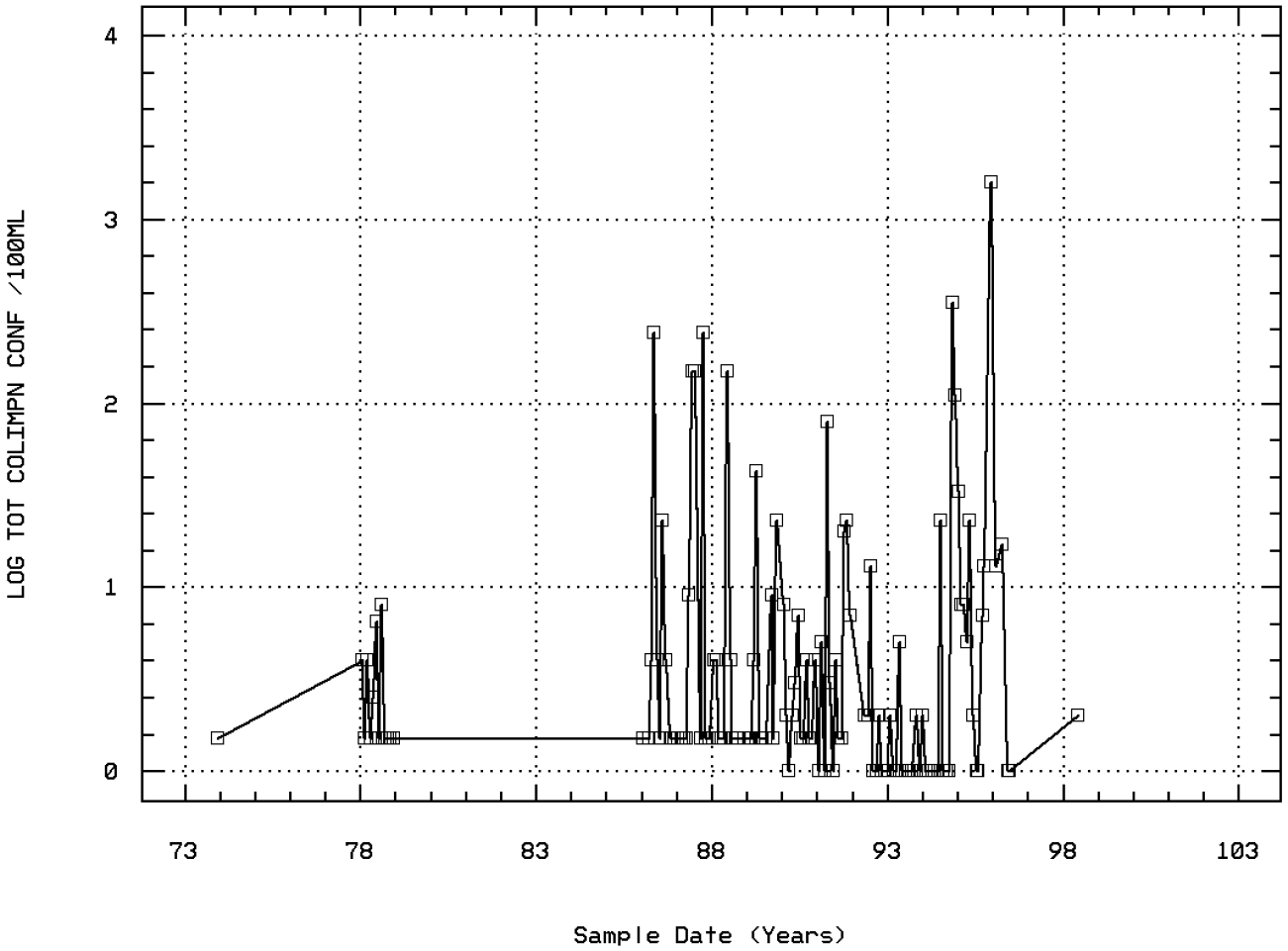
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



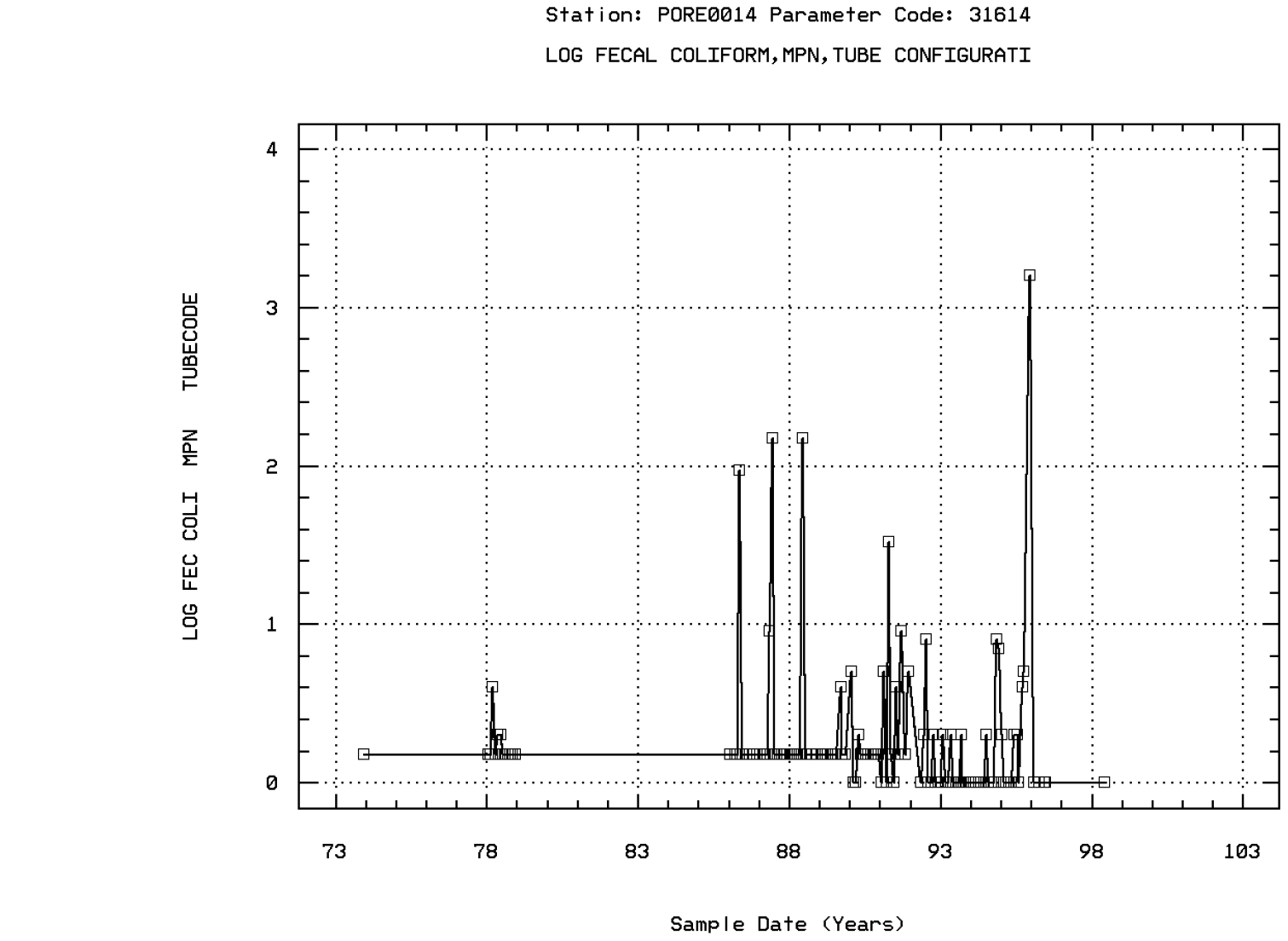
INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station: PORE0014 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Annual Analysis for 1973 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.5								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.5								

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

Annual Analysis for 1978 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12 ##	1.5	2.958	8.	1.5	5.021	2.241	1.5	1.5	4.	7.55
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12 ##	0.176	0.379	0.903	0.176	0.077	0.278	0.176	0.176	0.602	0.876
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.395								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12 ##	1.5	1.792	4.	1.5	0.521	0.722	1.5	1.5	1.875	3.4
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12 ##	0.176	0.232	0.602	0.176	0.016	0.126	0.176	0.176	0.27	0.512
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.708								

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

Annual Analysis for 1986 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	4 ##	0.038	0.038	0.05	0.025	0.	0.014	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	4	0.4	0.395	0.41	0.37	0.	0.017	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	10 ##	2.75	28.25	240.	1.5	5578.625	74.69	1.5	1.5	8.75	218.3
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	10 ##	0.389	0.643	2.38	0.176	0.514	0.717	0.176	0.176	0.792	2.278
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.394								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	9 ##	1.5	11.667	93.	1.5	930.25	30.5	1.5	1.5	1.5	93.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	9 ##	0.176	0.375	1.968	0.176	0.357	0.597	0.176	0.176	0.176	1.968
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.373								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	7	0.12	1.346	4.51	0.	4.661	2.159	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	7	1.6	3.037	10.	0.38	11.434	3.381	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11 ##	1.5	50.864	240.	1.5	7423.855	86.162	1.5	1.5	150.	222.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11 ##	0.176	0.811	2.38	0.176	0.903	0.95	0.176	0.176	2.176	2.339
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.469								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11 ##	1.5	15.682	150.	1.5	1989.614	44.605	1.5	1.5	1.5	121.8
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11 ##	0.176	0.429	2.176	0.176	0.39	0.625	0.176	0.176	0.176	1.932
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.683								

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

Annual Analysis for 1988 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	20	3.3	2.741	3.7	0.05	1.922	1.386	0.055	2.85	3.6	3.7
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	18	1.225	1.238	2.1	0.055	0.353	0.594	0.078	0.988	1.813	2.1
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	11 ##	1.5	15.682	150.	1.5	1985.864	44.563	1.5	1.5	4.	120.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	11 ##	0.176	0.474	2.176	0.176	0.357	0.597	0.176	0.176	0.602	1.861
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.979								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11 ##	1.5	15.	150.	1.5	2004.75	44.774	1.5	1.5	1.5	120.3
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	11 ##	0.176	0.358	2.176	0.176	0.364	0.603	0.176	0.176	0.176	1.776
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.28								

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

Annual Analysis for 1989 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	11	0.1	0.378	3.	0.05	0.76	0.872	0.05	0.05	0.2	2.44
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	11	1.6	1.737	6.	0.055	2.761	1.662	0.055	0.65	1.9	5.42
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	10 ##	1.5	8.8	43.	1.5	190.456	13.801	1.5	1.5	12.5	41.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	10 ##	0.176	0.561	1.633	0.176	0.315	0.561	0.176	0.176	1.056	1.606
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.638								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	10 ##	1.5	1.75	4.	1.5	0.625	0.791	1.5	1.5	1.5	3.75
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	10 ##	0.176	0.219	0.602	0.176	0.018	0.135	0.176	0.176	0.176	0.559
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.655								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	16	0.198	0.803	3.	0.005	1.12	1.058	0.023	0.081	1.963	2.65
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	16	0.765	1.043	3.5	0.	1.105	1.051	0.	0.15	1.875	2.905
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	2.	3.083	8.	1.	5.265	2.295	1.15	1.5	4.	7.7
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	0.301	0.395	0.903	0.	0.084	0.289	0.053	0.176	0.602	0.886
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.481								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12 ##	1.5	1.75	5.	1.	1.114	1.055	1.	1.5	1.5	4.1
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12 ##	0.176	0.201	0.699	0.	0.031	0.177	0.	0.176	0.176	0.58
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.588								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	23	0.95	0.891	2.1	0.01	0.528	0.727	0.1	0.1	1.5	1.92
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	23	1.65	1.595	4.2	0.105	1.108	1.052	0.105	0.9	2.25	2.86
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	12	3.5	12.25	79.	1.	497.795	22.311	1.	1.125	16.75	62.2
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	12	0.54	0.628	1.898	0.	0.388	0.623	0.	0.044	1.187	1.737
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.246								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12 ##	2.75	6.125	33.	1.	81.415	9.023	1.	1.125	8.	26.1
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	12 ##	0.389	0.5	1.519	0.	0.241	0.491	0.	0.044	0.89	1.363
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			3.163								

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

Annual Analysis for 1992 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	19	0.08	0.141	1.2	0.02	0.067	0.26	0.05	0.06	0.1	0.225
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	21	0.5	0.529	1.3	0.	0.136	0.369	0.	0.25	0.725	1.16
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	8 ##	1.5	2.875	13.	1.	16.982	4.121	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	8 ##	0.151	0.252	1.114	0.	0.143	0.379	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.787								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	8 ##	1.	2.125	8.	1.	5.839	2.416	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	8 ##	0.	0.188	0.903	0.	0.102	0.319	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.542								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	16	0.08	0.083	0.25	0.04	0.003	0.052	0.04	0.043	0.1	0.152
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	25	0.4	0.577	2.	0.	0.33	0.574	0.	0.128	0.95	1.54
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	23 ##	1.	2.261	10.	1.	7.292	2.7	1.	1.	2.	8.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	23 ##	0.	0.187	1.	0.	0.111	0.333	0.	0.	0.301	0.88
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.538								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	24 ##	1.	1.958	10.	1.	6.303	2.51	1.	1.	2.	6.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	24 ##	0.	0.146	1.	0.	0.084	0.291	0.	0.	0.301	0.651
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.4								

** - 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 1994 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	18	0.1	0.104	0.5	0.	0.012	0.108	0.009	0.05	0.113	0.185
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	19	0.8	0.953	2.3	0.	0.594	0.77	0.	0.15	1.8	2.2
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	21 ##	1.	25.	350.	1.	6127.8	78.28	1.	1.	2.	92.6
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	21 ##	0.	0.377	2.544	0.	0.577	0.76	0.	0.	0.301	1.905
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.381								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	21 ##	1.	1.714	8.	1.	3.814	1.953	1.	1.	1.	6.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	21 ##	0.	0.112	0.903	0.	0.072	0.269	0.	0.	0.	0.736
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.294								

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

Annual Analysis for 1995 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	13	0.092	0.093	0.23	0.022	0.003	0.058	0.026	0.043	0.125	0.198
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	8	0.113	0.13	0.3	0.	0.008	0.088	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	13	7.	131.077	1600.	1.	194887.077	441.46	1.	1.5	18.	973.2
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	13	0.845	0.858	3.204	0.	0.76	0.872	0.	0.151	1.238	2.53
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7.207								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	13	2.	124.846	1600.	1.	196453.141	443.23	1.	1.	3.	962.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	13	0.301	0.439	3.204	0.	0.748	0.865	0.	0.	0.452	2.202
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.749								

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

Annual Analysis for 1996 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	3	0.086	0.084	0.1	0.065	0.	0.018	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	3	0.06	0.07	0.11	0.04	0.001	0.036	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	4 ##	7.	8.	17.	1.	68.	8.246	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	4 ##	0.557	0.586	1.23	0.	0.46	0.678	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.856								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			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

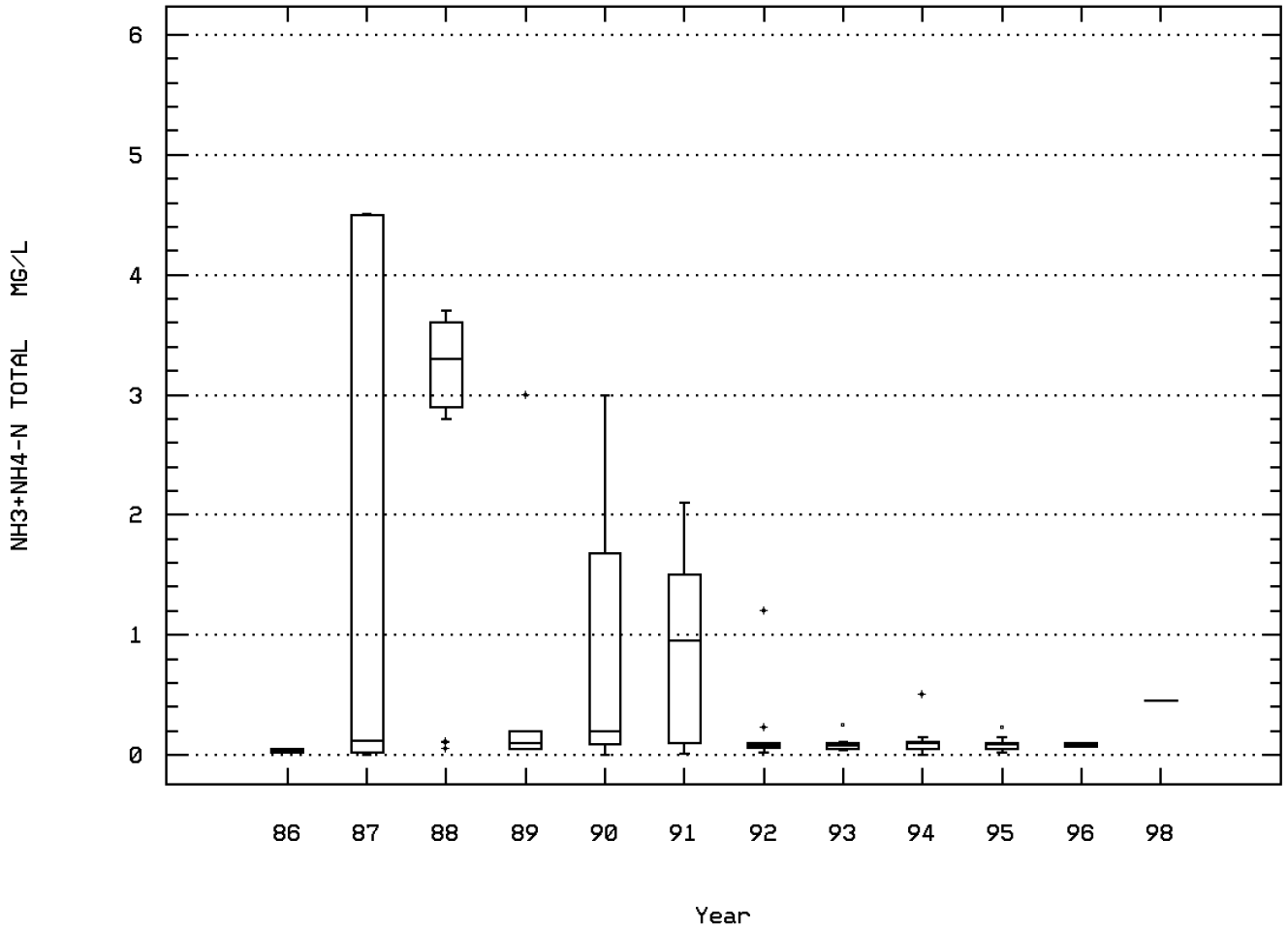
Annual Analysis for 1998 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			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: PORE0014 Parameter Code: 00610

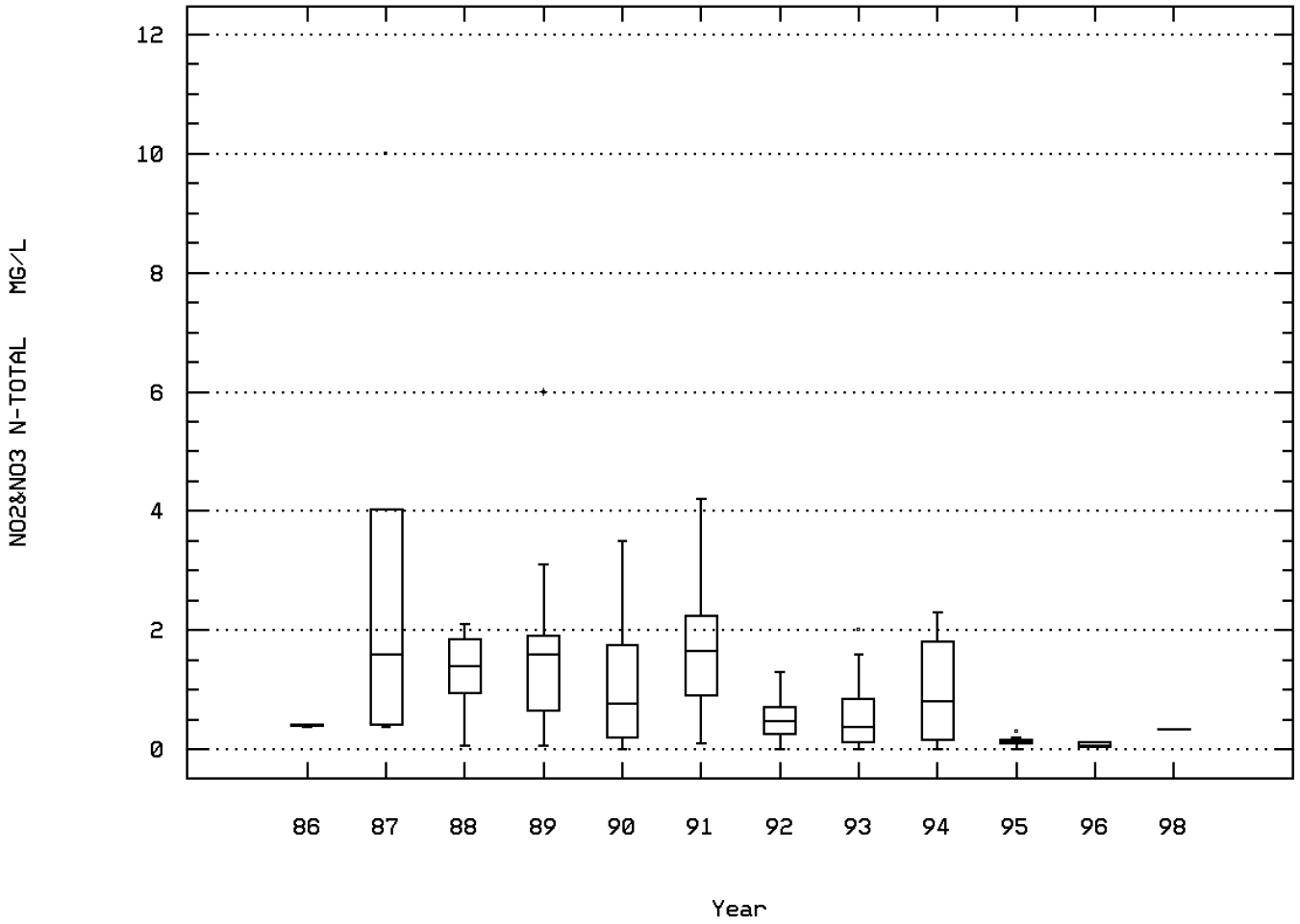
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station: PORE0014 Parameter Code: 00630

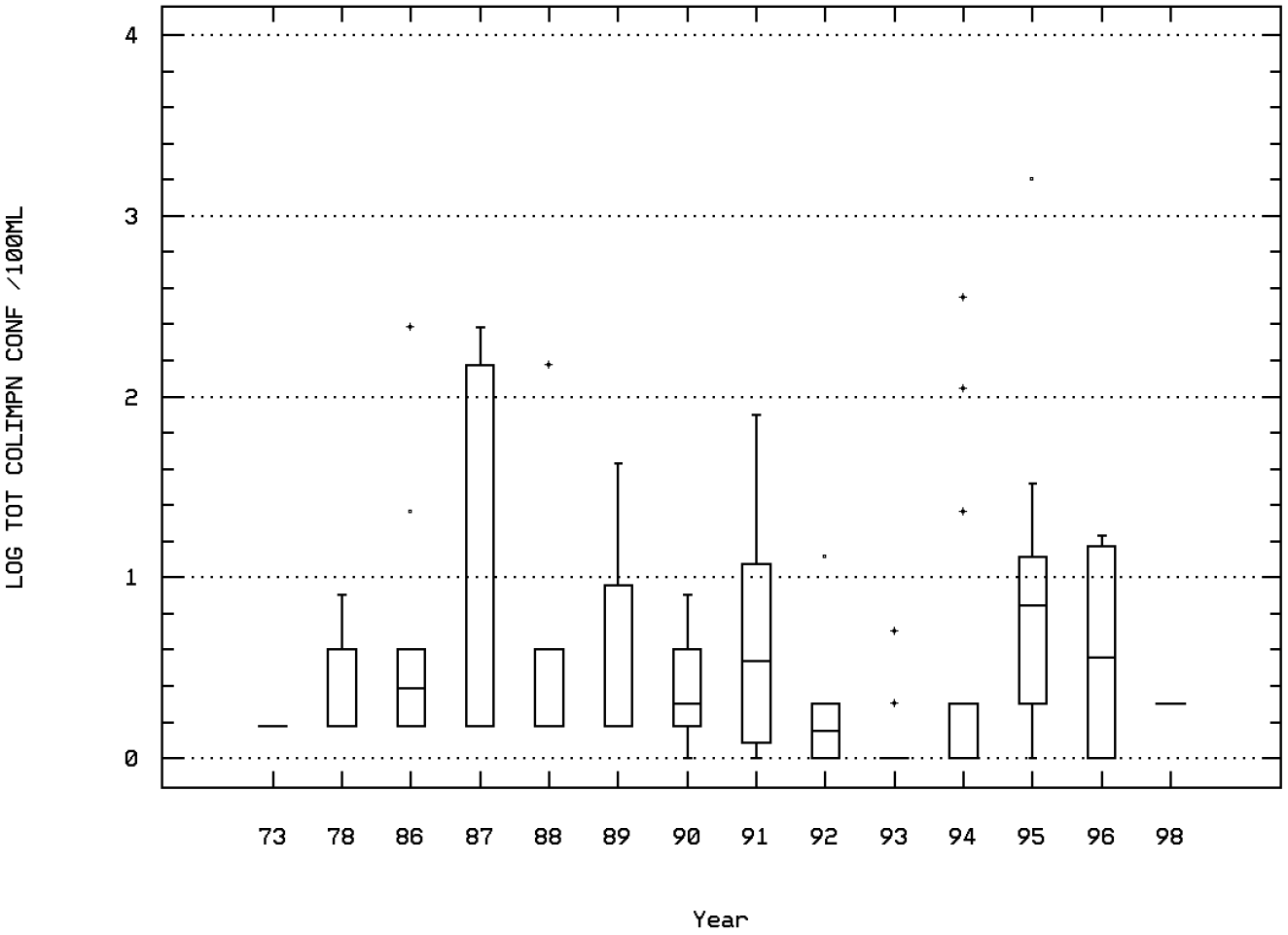
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station: PORE0014 Parameter Code: 31505

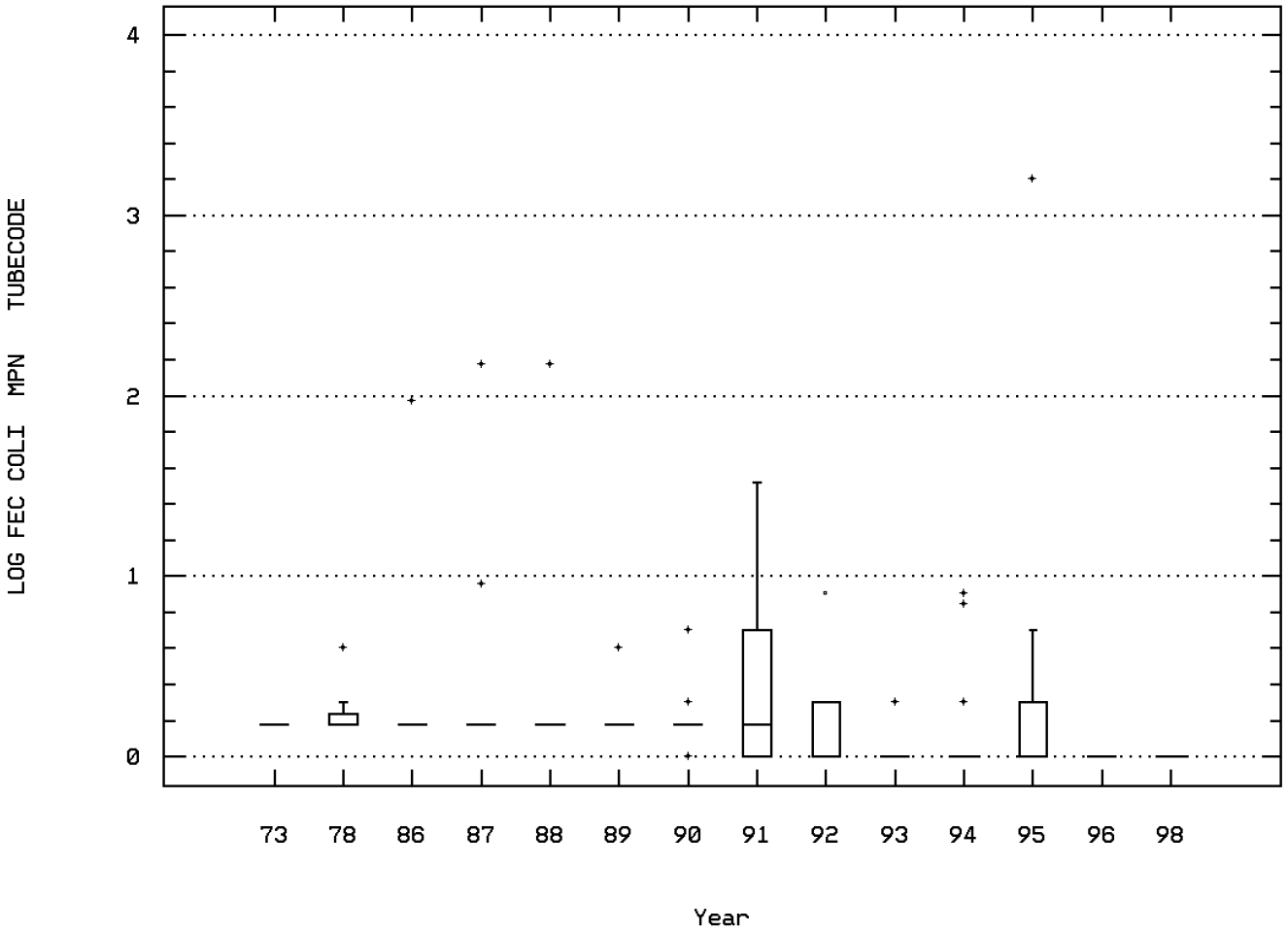
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station: PORE0014 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	60	0.12	0.898	4.5	0.01	1.655	1.286	0.05	0.076	1.475	3.47
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	65	0.6	1.042	10.	0.	2.32	1.523	0.024	0.15	1.4	2.19
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	66 ##	1.5	14.235	240.	1.	1764.548	42.007	1.	1.	6.625	23.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	66 ##	0.176	0.458	2.38	0.	0.375	0.612	0.	0.	0.821	1.362
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.87								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	65 ##	1.5	6.746	150.	1.	666.712	25.821	1.	1.	2.	8.4
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	65 ##	0.176	0.284	2.176	0.	0.188	0.434	0.	0.	0.301	0.924
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.924								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	9 ##	0.025	0.035	0.09	0.01	0.001	0.025	0.01	0.019	0.051	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: 10/10 to 1/14 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	33	0.1	0.889	4.51	0.	1.936	1.392	0.02	0.055	1.2	3.48
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	32	1.	1.189	4.02	0.	0.991	0.996	0.063	0.338	1.688	2.73
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	26 ##	1.5	83.673	1600.	1.	100592.779	317.164	1.	1.375	11.	182.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	26 ##	0.176	0.614	3.204	0.	0.75	0.866	0.	0.132	0.974	2.192
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.112								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	27 ##	1.5	61.111	1600.	1.	94590.218	307.555	1.	1.	1.5	7.2
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	27 ##	0.176	0.299	3.204	0.	0.398	0.631	0.	0.	0.176	0.857
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.989								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	2 ##	0.053	0.053	0.08	0.025	0.002	0.039	**	**	**	**

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

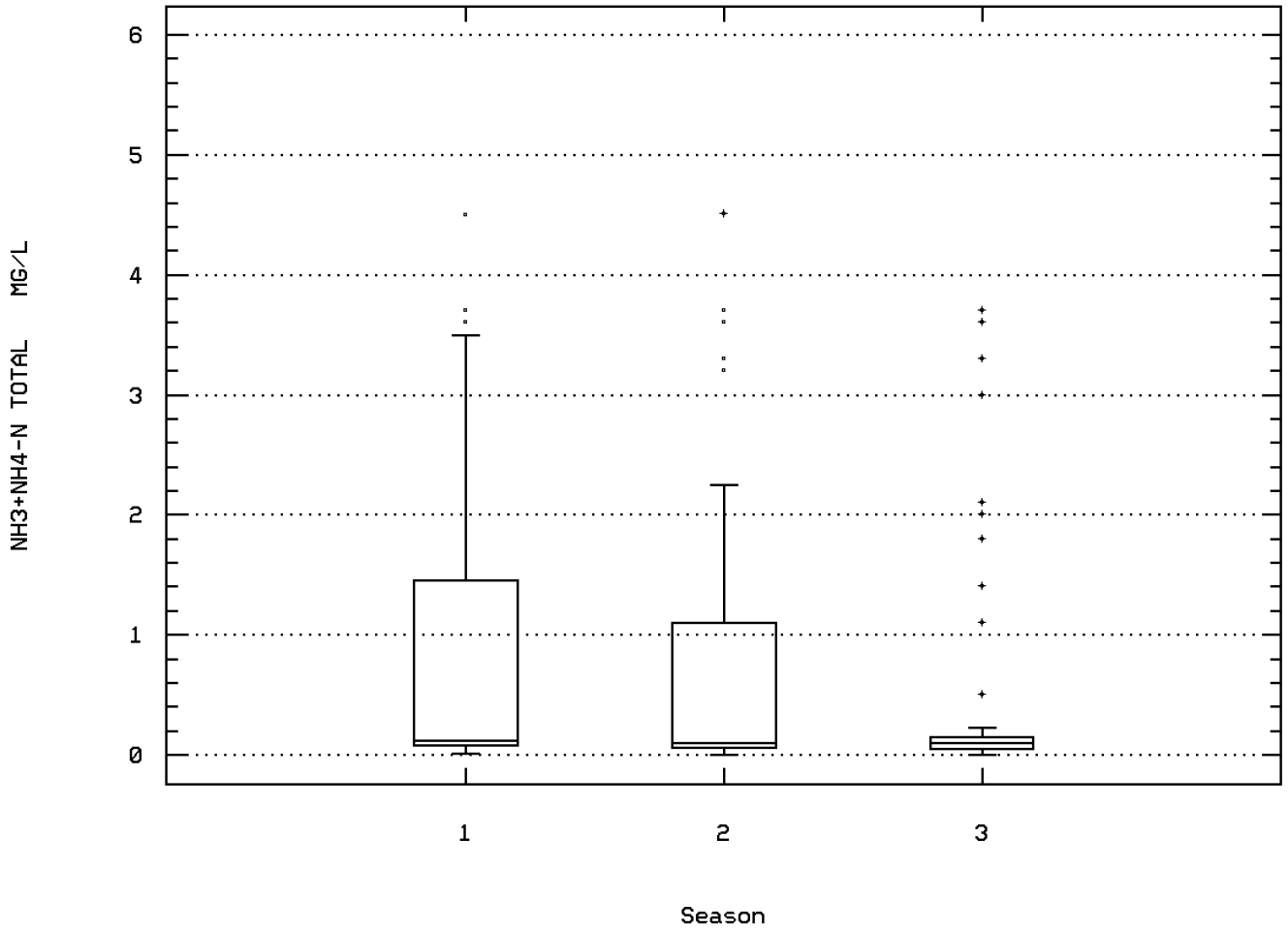
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/02/86-06/02/98	58	0.1	0.457	3.7	0.005	0.876	0.936	0.036	0.05	0.158	2.01
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/02/86-06/02/98	59	0.7	0.967	4.2	0.	0.827	0.909	0.055	0.3	1.6	2.2
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/08/73-06/02/98	57 ##	1.5	9.588	240.	1.	1107.09	33.273	1.	1.	4.5	13.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/08/73-06/02/98	57 ##	0.176	0.439	2.38	0.	0.26	0.51	0.	0.	0.651	1.137
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.747								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	57 ##	1.5	3.807	93.	1.	163.489	12.786	1.	1.	1.5	4.2
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	12/08/73-06/02/98	57 ##	0.176	0.213	1.968	0.	0.126	0.356	0.	0.	0.176	0.621
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.632								
81646	LINER ALKYLATE SULFONATE IN WATER MG/L	03/02/86-02/06/96	12 ##	0.025	0.031	0.075	0.013	0.	0.019	0.013	0.016	0.045	0.068

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

Station: PORE0014 Parameter Code: 00610

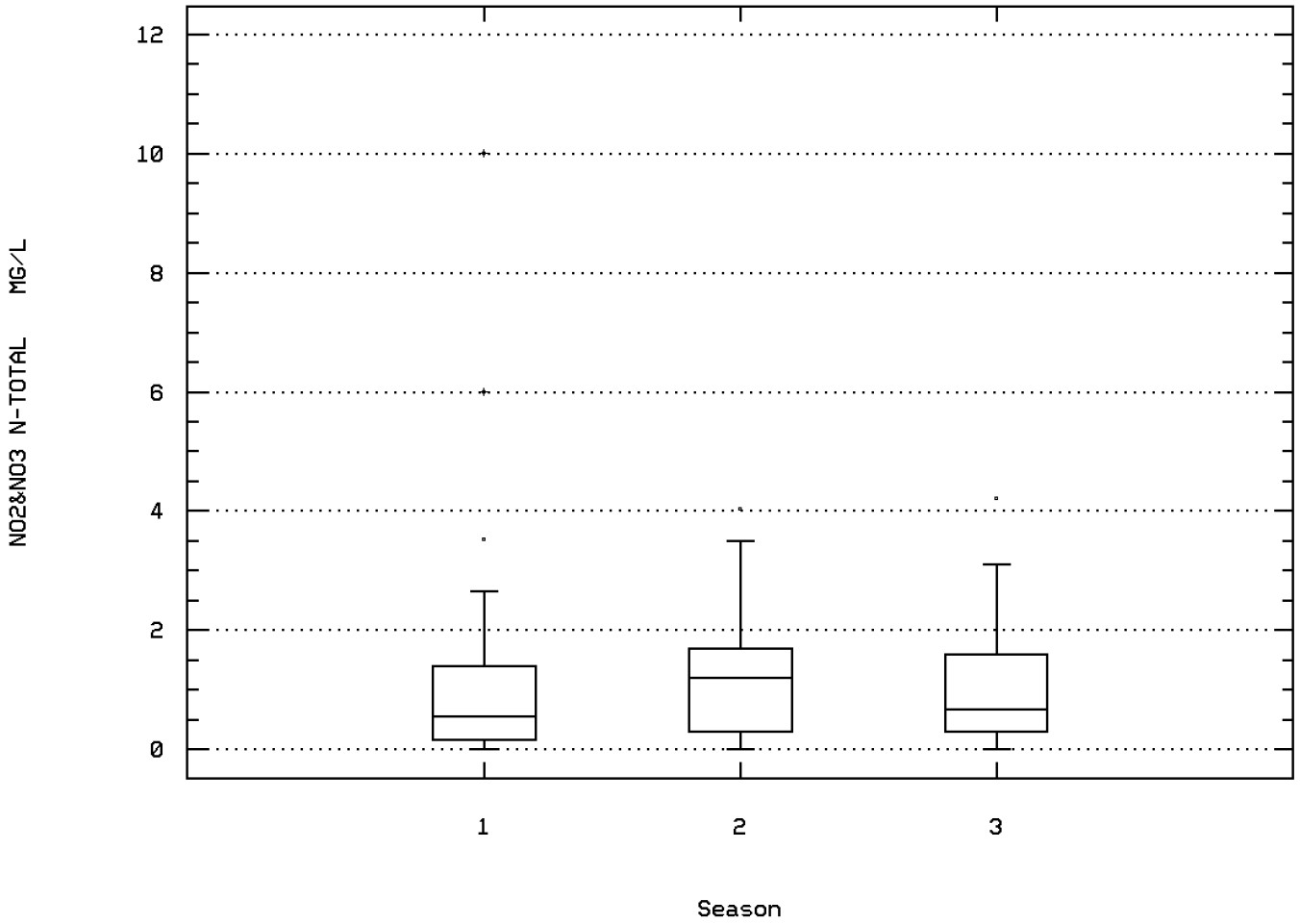
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station: PORE0014 Parameter Code: 00630

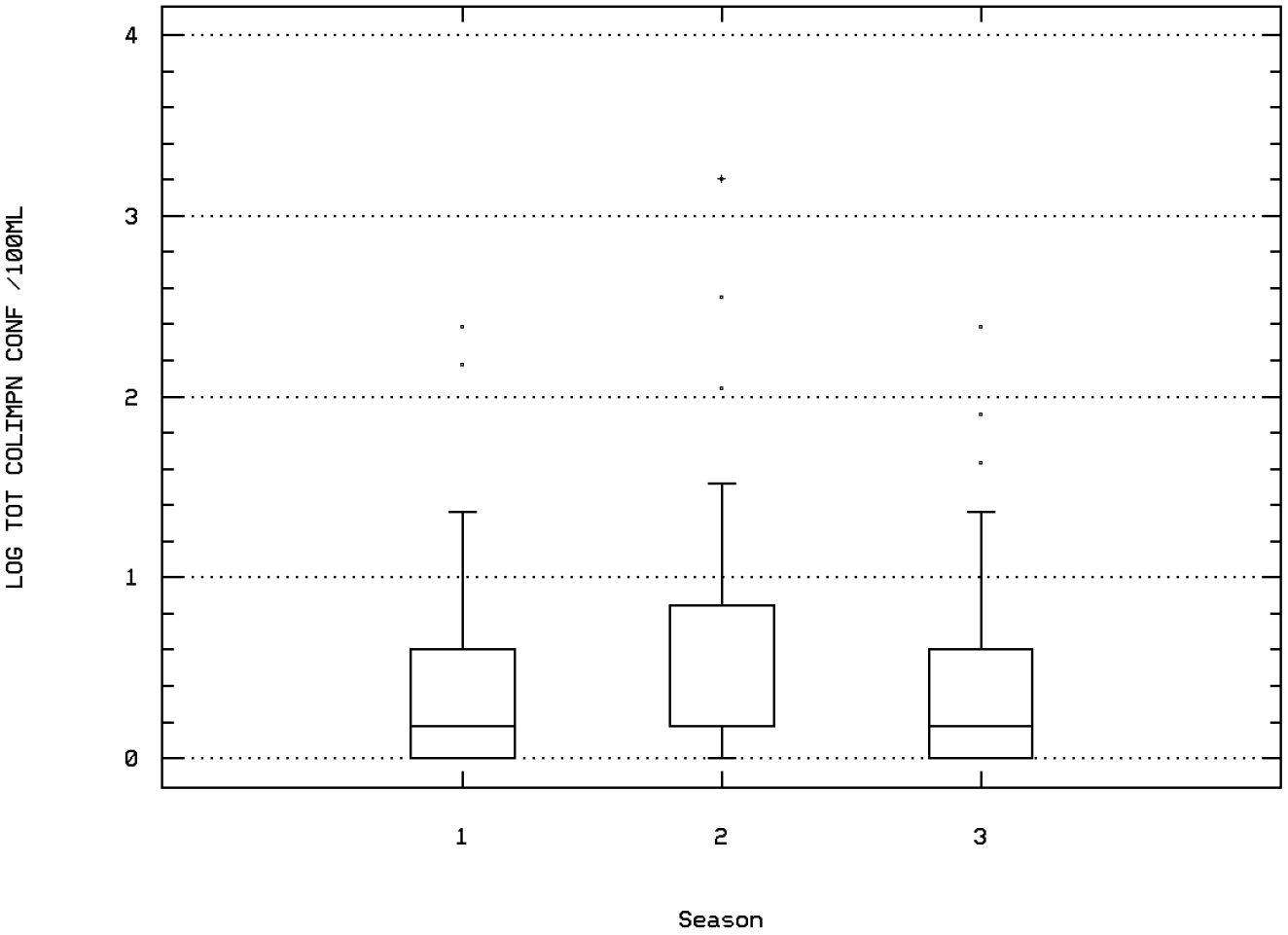
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station: PORE0014 Parameter Code: 31505

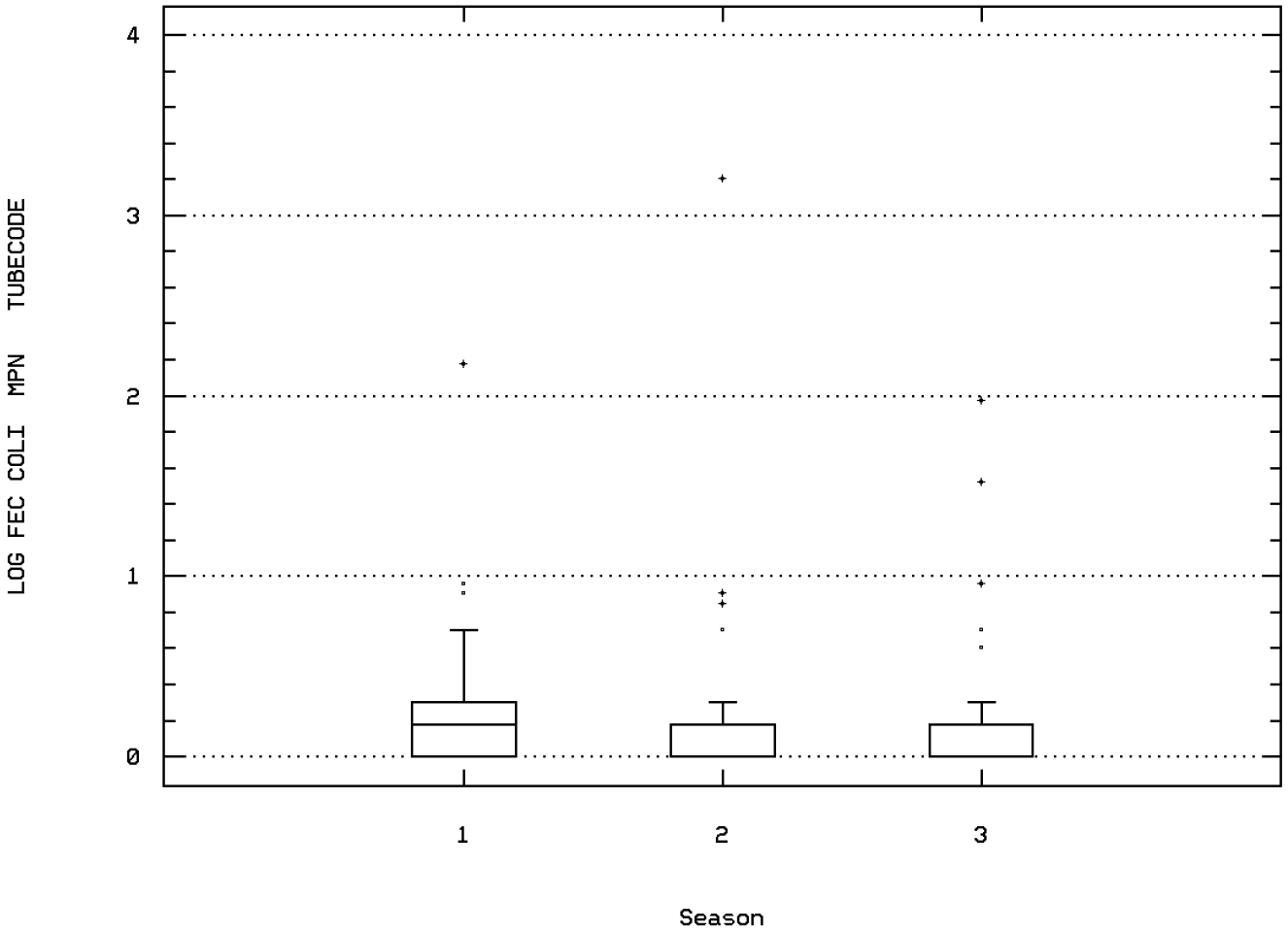
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station: PORE0014 Parameter Code: 31614

LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



INNER SEADRIFT LAGOON; 175 SEADRIFT ROA

Station Inventory for Station: PORE0015

NPS Station ID: PORE0015 LAT/LON: 37.906475/-122.655061 Agency: 11NPSWRD Date Created: 04/03/99
Location: INNER SEADRIFT LAGOON; 77 DIPSEA ROAD FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_SBWD_S7C
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE AT THE INNER SEADRIFT LAGOON NEAR 77 DIPSEA ROAD AND IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/04/93-06/02/98	19 ##	1.	2.526	11.	1.	8.819	2.97	1.	1.	2.	8.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/04/93-06/02/98	19 ##	0.	0.215	1.041	0.	0.134	0.365	0.	0.	0.301	0.903
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.642								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	18 ##	1.	1.5	7.	1.	2.029	1.425	1.	1.	1.25	2.5
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	18 ##	0.	0.097	0.845	0.	0.048	0.219	0.	0.	0.075	0.355
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.251								

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

EPA Water Quality Criteria Analysis for Station: PORE0015

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	19	0	0.00	14	0	0.00	3	0	0.00	2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	18	0	0.00	13	0	0.00	3	0	0.00	2	0	0.00			

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

Station Inventory for Station: PORE0016

NPS Station ID: PORE0016 LAT/LON: 37.907289/-122.661836 Agency: 11NPSWRD Date Created: 04/03/99
Location: INNER SEADRIFT LAGOON; 271 SEADRIFT ROAD FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_SBWD_S7B
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE AT THE INNER SEADRIFT LAGOON NEAR 271 SEADRIFT ROAD AND IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM THE STINSON BEACH COUNTY WATER DISTRICT'S ANNUAL ONSITE WASTEWATER MANAGEMENT PROGRAM REPORTS. GROUNDWATER AND SURFACE WATER SAMPLING WERE CONDUCTED AS MANDATED BY THE REGIONAL WATER QUALITY CONTROL BOARD TO MONITOR FOR ANY INDICATORS OF SEPTIC CONTAMINATION. LABORATORY ANALYSES WERE PERFORMED BY NORTH MARIN WATER DISTRICT LABORATORY (NOVATO CA) AND BRELJE AND RACE LABORATORIES (SANTA ROSA CA). SOME SAMPLING DATES HAVE BEEN ESTIMATED. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/10/98-02/10/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/10/98-02/10/98	1	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/10/98-02/10/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/10/98-02/10/98	1 ##	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/04/93-06/02/98	19 ##	1.	22.263	350.	1.	6331.871	79.573	1.	1.	8.	22.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/04/93-06/02/98	19 ##	0.	0.431	2.544	0.	0.463	0.68	0.	0.	0.903	1.342
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.695								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	19 ##	1.	4.842	49.	1.	137.14	11.711	1.	1.	2.	22.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/04/93-06/02/98	19 ##	0.	0.223	1.69	0.	0.226	0.476	0.	0.	0.301	1.342
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.671								

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

EPA Water Quality Criteria Analysis for Station: PORE0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	19	0	0.00	14	0	0.00	3	0	0.00	2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	19	0	0.00	14	0	0.00	3	0	0.00	2	0	0.00			

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

Station Inventory for Station: PORE0017

NPS Station ID: PORE0017
LAT/LON: 37.917226/-122.717893
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-005 WOODRAT RESERVOIR 2-RUNOFF & CREEK WATER
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/005-WR2-RAW
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 10.20
On/Off RF1:
RF3 Index: 18050005016600.00
RF3 Mile Point: 0.42
Distance from RF3: 0.07
On/Off RF3:
Description:
DIST 04 BOLINAS CPUD

Parameter Inventory for Station: PORE0017

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: PORE0018

NPS Station ID: PORE0018
LAT/LON: 37.918531/-122.711810
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-005 WOODRAT RESERVOIR 1-RUNOFF & CREEK WATER
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/005-WR1-RAW
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 7.80
On/Off RF1:
RF3 Index: 18050005016500.54
RF3 Mile Point: 1.37
Distance from RF3: 0.12
On/Off RF3:
Description:
DIST 04 BOLINAS CPUD

Parameter Inventory for Station: PORE0018

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: PORE0019

NPS Station ID: PORE0019
LAT/LON: 37.918615/-122.691949
Agency: 112WRD
Date Created: / /
Location: PINE C A BOLINAS CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11460170
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 1.80
On/Off RF1:
RF3 Index: 18050002000219.29
RF3 Mile Point: 20.71
Distance from RF3: 0.14
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/68-01/24/70	19	12.5	12.421	14.	9.	2.73	1.652	9.	11.	14.	14.
00060	FLOW, STREAM, MEAN DAILY CFS	01/29/68-01/24/70	19	144.	186.053	838.	3.	45317.83	212.88	3.	45.	210.	660.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/29/68-01/27/69	3	73.	59.333	81.	24.	952.333	30.86	**	**	**	**
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/29/68-01/27/69	3	77.	68.	87.	40.	613.	24.759	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/29/68-01/27/69	3	86.	78.333	93.	56.	386.333	19.655	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/29/68-01/27/69	3	100.	97.667	100.	93.	16.333	4.041	**	**	**	**
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/27/69-01/27/69	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/29/68-01/24/70	14	23.5	24.857	44.	6.	78.747	8.874	12.	20.75	31.5	39.
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/29/68-01/24/70	14	32.	33.429	48.	24.	50.725	7.122	25.5	27.	37.	47.5
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/29/68-01/24/70	14	40.5	43.	60.	33.	66.154	8.134	33.5	37.25	48.	58.5
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/29/68-01/24/70	14	50.	52.5	70.	40.	76.115	8.724	41.5	46.75	57.25	69.5
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/29/68-01/24/70	14	58.5	61.	78.	49.	75.846	8.709	50.	55.5	66.5	77.
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	01/30/68-01/24/70	12	71.	71.75	85.	58.	63.841	7.99	59.2	67.	79.	83.8
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	01/30/68-01/24/70	12	87.	87.417	94.	76.	26.629	5.16	78.4	84.25	92.5	94.
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	01/30/68-01/24/70	12	97.	96.417	100.	91.	8.083	2.843	91.9	94.	99.	100.
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	01/30/68-01/24/70	10	100.	99.2	100.	96.	1.956	1.398	96.2	98.	100.	100.
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	01/13/69-01/21/70	3	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/29/68-01/24/70	15	1150.	1383.133	4400.	77.	1786996.838	1336.786	120.2	290.	1900.	4322.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/29/68-01/24/70	15	519.	1494.34	9960.	9.1	9019786.734	3003.296	17.44	38.	600.	8550.
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11/04/68-12/19/69	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11/04/68-12/19/69	4	2.5	2.5	4.	1.	1.667	1.291	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11/04/68-12/19/69	4	8.5	9.75	18.	4.	42.917	6.551	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11/04/68-12/19/69	4	19.5	21.75	37.	11.	139.583	11.815	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	11/04/68-12/19/69	4	33.5	32.5	44.	19.	153.667	12.396	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	11/04/68-12/19/69	4	46.5	45.75	60.	30.	188.25	13.72	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	11/04/68-12/19/69	4	60.5	60.75	73.	49.	124.25	11.147	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	11/04/68-12/19/69	4	78.5	78.5	87.	70.	68.333	8.266	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	11/04/68-12/19/69	4	93.	93.	98.	88.	27.333	5.228	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	11/04/68-12/19/69	4	100.	99.5	100.	98.	1.	1.	**	**	**	**

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

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

Station Inventory for Station: PORE0020

NPS Station ID: PORE0020 | LAT/LON: 37.919032/-122.691838 | Agency: 11NPSWRD | Date Created: 07/24/99
Location: PINE GULCH CREEK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_NPS_PGC
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT PINE GULCH CREEK OUTSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." SAMPLE FRACTIONS ANALYZED WERE NOT STATED BY THE REPORT; THEREFORE; THEY WERE ASSUMED. FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/17/54-01/17/54	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/17/54-01/17/54	1	337.	337.	337.	337.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/17/54-01/17/54	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/17/54-01/17/54	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/17/54-01/17/54	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/17/54-01/17/54	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	01/17/54-01/17/54	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/17/54-01/17/54	1	104.	104.	104.	104.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/17/54-01/17/54	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/17/54-01/17/54	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/17/54-01/17/54	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/17/54-01/17/54	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	01/17/54-01/17/54	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/17/54-01/17/54	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/17/54-01/17/54	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/17/54-01/17/54	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/17/54-01/17/54	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/17/54-01/17/54	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/17/54-01/17/54	1	60.	60.	60.	60.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/17/54-01/17/54	1	201.	201.	201.	201.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/17/54-01/17/54	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0021

NPS Station ID: PORE0021
LAT/LON: 37.919170/-122.669170
Agency: 112WRD
Date Created: / /
Location: MORSES C A BOLINAS CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11460160
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 1.50
On/Off RF1:
RF3 Index: 18050005016700.00
RF3 Mile Point: 0.70
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/18/67-07/07/69	73	11.	11.538	21.1	7.	4.696	2.167	9.	11.	12.	14.24
00060	FLOW, STREAM, MEAN DAILY CFS	05/18/67-07/07/69	73	2.	4.198	21.	0.	25.831	5.082	0.034	0.6	6.	12.6
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/13/69-02/15/69	2	48.	48.	52.	44.	32.	5.657	**	**	**	**
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/13/69-02/15/69	2	66.5	66.5	70.	63.	24.5	4.95	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/13/69-02/15/69	2	85.5	85.5	89.	82.	24.5	4.95	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/13/69-02/15/69	2	96.5	96.5	99.	94.	12.5	3.536	**	**	**	**
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/13/69-02/15/69	2	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	12/28/68-02/15/69	2	11.	11.	11.	11.	0.	0.	**	**	**	**
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	12/28/68-02/15/69	2	21.5	21.5	28.	15.	84.5	9.192	**	**	**	**
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	12/28/68-02/15/69	2	31.5	31.5	33.	30.	4.5	2.121	**	**	**	**
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	12/28/68-02/15/69	2	37.	37.	41.	33.	32.	5.657	**	**	**	**
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	12/28/68-02/15/69	2	41.	41.	47.	35.	72.	8.485	**	**	**	**
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	12/28/68-12/28/68	1	64.	64.	64.	64.	0.	0.	**	**	**	**
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	12/28/68-12/28/68	1	78.	78.	78.	78.	0.	0.	**	**	**	**
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	12/28/68-12/28/68	1	87.	87.	87.	87.	0.	0.	**	**	**	**
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	12/28/68-12/28/68	1	93.	93.	93.	93.	0.	0.	**	**	**	**
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	12/28/68-12/28/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/18/67-07/07/69	71	10.	20.901	171.	1.	881.519	29.69	2.	4.	26.	57.6
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/18/67-07/07/69	71	0.04	0.439	5.6	0.	1.119	1.058	0.	0.	0.18	1.08
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11/04/68-11/04/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11/04/68-01/13/69	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11/04/68-01/13/69	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11/04/68-01/13/69	2	10.	10.	12.	8.	8.	2.828	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	11/04/68-01/13/69	2	18.	18.	22.	14.	32.	5.657	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	11/04/68-01/13/69	2	26.5	26.5	31.	22.	40.5	6.364	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	11/04/68-01/13/69	2	36.	36.	41.	31.	50.	7.071	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	11/04/68-01/13/69	2	53.	53.	57.	49.	32.	5.657	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	11/04/68-01/13/69	2	76.5	76.5	80.	73.	24.5	4.95	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	11/04/68-01/13/69	2	96.	96.	100.	92.	32.	5.657	**	**	**	**

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

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

Station Inventory for Station: PORE0022

NPS Station ID: PORE0022
LAT/LON: 37.924005/-122.717531
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-005 ARROYO HONDO CREEK-RAW
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/005-AH-RAW
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 17.60
On/Off RF1:
RF3 Index: 18050002040000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.16
On/Off RF3:
Description:
DIST 04 BOLINAS CPUD

Parameter Inventory for Station: PORE0022

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: PORE0023

NPS Station ID: PORE0023
LAT/LON: 37.924448/-122.672504
Agency: 21CAL-1
Date Created: 01/19/80
Location: BOLINAS LAG,UN-CR,NO MORSES GUL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1022501 /2013001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005001
RF1 Mile Point: 17.730
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005002100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.05
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 2 ;
STATION NAME: BOLINAS LAG, UN-CR, NO MORSES GUL; DWR COUNTY CODE: 21; LATITUDE: 375528; LONGITUDE: 1224021;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01N, RANGE 07, SECTION 19ABASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/07/54-01/07/54	1	55.4	55.4	55.4	55.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/07/54-01/07/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/07/54-01/07/54	1	392.	392.	392.	392.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/07/54-01/07/54	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/07/54-01/07/54	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/07/54-01/07/54	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/07/54-01/07/54	1	126.	126.	126.	126.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/07/54-01/07/54	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/07/54-01/07/54	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/07/54-01/07/54	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/07/54-01/07/54	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/07/54-01/07/54	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/07/54-01/07/54	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/07/54-01/07/54	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/07/54-01/07/54	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/07/54-01/07/54	1	90.	90.	90.	90.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/07/54-01/07/54	1	104.	104.	104.	104.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/07/54-01/07/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: PORE0024

NPS Station ID: PORE0024
LAT/LON: 37.929726/-122.680838
Agency: 112WRD
Date Created: / /
Location: AUDUBON C NR BOLINAS CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11460165
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.80
On/Off RF1:
RF3 Index: 18050005017400.00
RF3 Mile Point: 0.02
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/18/67-07/07/69	83	11.	11.786	21.7	3.	6.653	2.579	9.	11.	12.	15.
00060	FLOW, STREAM, MEAN DAILY CFS	05/18/67-07/07/69	83	1.	4.517	30.	0.01	38.442	6.2	0.074	0.2	9.	13.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/29/68-01/13/69	2	62.5	62.5	98.	27.	2520.5	50.205	**	**	**	**
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/29/68-01/13/69	2	71.	71.	99.	43.	1568.	39.598	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/29/68-01/13/69	2	89.	89.	100.	78.	242.	15.556	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/13/69-01/13/69	1	98.	98.	98.	98.	0.	0.	**	**	**	**
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/13/69-01/13/69	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/29/68-01/29/68	1	46.	46.	46.	46.	0.	0.	**	**	**	**
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/29/68-01/29/68	1	60.	60.	60.	60.	0.	0.	**	**	**	**
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/29/68-01/13/69	2	41.	41.	77.	5.	2592.	50.912	**	**	**	**
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/29/68-01/13/69	2	48.5	48.5	87.	10.	2964.5	54.447	**	**	**	**
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/29/68-01/13/69	2	54.	54.	91.	17.	2738.	52.326	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/18/67-07/07/69	81	5.	20.123	226.	1.	1708.335	41.332	1.	2.	13.5	66.2
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/18/67-07/07/69	81	0.02	0.501	7.4	0.	1.651	1.285	0.	0.	0.24	1.44
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11/04/68-11/04/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11/04/68-11/04/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11/04/68-01/13/69	2	4.	4.	7.	1.	18.	4.243	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11/04/68-01/13/69	2	8.5	8.5	15.	2.	84.5	9.192	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	11/04/68-01/13/69	2	11.5	11.5	20.	3.	144.5	12.021	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	11/04/68-01/13/69	2	15.	15.	25.	5.	200.	14.142	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	11/04/68-01/13/69	2	21.	21.	32.	10.	242.	15.556	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	11/04/68-01/13/69	2	36.5	36.5	45.	28.	144.5	12.021	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	11/04/68-01/13/69	2	63.5	63.5	69.	58.	60.5	7.778	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	11/04/68-01/13/69	2	85.5	85.5	87.	84.	4.5	2.121	**	**	**	**

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

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

Station Inventory for Station: PORE0025

NPS Station ID: PORE0025
LAT/LON: 37.941337/-122.638559
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-002 ALPINE LAKE DAM AT 10FT DEPTH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D21/002-ALPN-LK
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 3.00
On/Off RF1:
RF3 Index: 18050005013900.00
RF3 Mile Point: 0.37
Distance from RF3: 0.38
On/Off RF3:
Description:
DIST 04 MARIN MUNICIPAL WATER DISTRICT

Parameter Inventory for Station: PORE0025

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: PORE0026

NPS Station ID: PORE0026
LAT/LON: 37.949115/-122.713726
Agency: 11NPSWRD
Date Created: 07/24/99
Location: PINE GULCH CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_PINE
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT PINE GULCH CREEK INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/25/65-10/01/65	6	54.5	55.333	59.	51.	9.867	3.141	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	05/25/65-10/01/65	6	319.	471.167	1160.	193.	138550.567	372.224	**	**	**	**

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

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

Station Inventory for Station: PORE0027

NPS Station ID: PORE0027
LAT/LON: 37.956809/-122.777310
Agency: 11NPSWRD
Date Created: 07/24/99
Location: ALAMEA CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_ALAM
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DOUBLE POINT CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT ALAMEA CREEK INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/25/65-10/01/65	6	53.5	53.667	57.	51.	3.867	1.966	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	05/25/65-10/01/65	6	361.	469.	947.	308.	59422.8	243.768	**	**	**	**

** - Less than 9 observations ## - 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: PORE0028

NPS Station ID: PORE0028
LAT/LON: 37.966670/-122.866671
Agency: 111WS
Date Created: 05/19/78
Location: CONTRA COSTA CO.WATER DEPT.
FIPS State/County: 06013 CALIFORNIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 071
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 999
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
NATL.ORGANICS RECONNAISSANCE SURVEY OFF.OF RESEARCH & DEVEL.CINN,OHIO BOLLMAN PLANT,CONCORD

Parameter Inventory for Station: PORE0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/13/75-03/13/75	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/13/75-03/13/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/13/75-03/13/75	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	03/13/75-03/13/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	03/13/75-03/13/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	03/13/75-03/13/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
81280	NONPURGEABLE ORGANIC CARBON MG/L	03/13/75-03/13/75	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0028

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------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: PORE0029

NPS Station ID: PORE0029
LAT/LON: 37.990781/-122.696366
Agency: 11NPSWRD
Date Created: 07/11/98
Location: CENTER OF KENT LAKE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_USGS_KL
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON KENT LAKE APPROXIMATELY 2 MILES SOUTHWEST OF SAN GERONIMO AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE EXACT SAMPLING LOCATION WAS NOT SPECIFIED IN THE REPORT; SO THE APPROXIMATE CENTER OF THE LAKE WAS DIGITIZED TO DETERMINE THE LATITUDE AND LONGITUDE FOR THE SITE. ONE SAMPLE FOR THIS SITE WAS COLLECTED ON 8 AUGUST 1972. THE RESULTS ARE IN "LIMNOLOGICAL DATA FROM SELECTED LAKES IN THE SAN FRANCISCO BAY REGION; CALIFORNIA" BY LINDA BRITTON; RODGER F. FERREIRA; AND ROBERT C. AVERETT (UNITED STATES GEOLOGICAL SURVEY-WATER RESOURCES DIVISION "OPEN-FILE REPORT;" 25 JUNE 1974). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: PORE0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/72-08/08/72	1	188.	188.	188.	188.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/08/72-08/08/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/08/72-08/08/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/72-08/08/72	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/72-08/08/72	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/08/72-08/08/72	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/08/72-08/08/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/08/72-08/08/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/72-08/08/72	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/08/72-08/08/72	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/08/72-08/08/72	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/08/72-08/08/72	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/08/72-08/08/72	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/08/72-08/08/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/08/72-08/08/72	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/08/72-08/08/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/08/72-08/08/72	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/08/72-08/08/72	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/08/72-08/08/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PORE0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/08/72-08/08/72	1	110.	110.	110.	110.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0029

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0030

NPS Station ID: PORE0030
LAT/LON: 37.995198/-122.753920
Agency: 11NPSWRD
Date Created: 08/14/99
Location: BLUE LINE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_MMWD_OLM1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DOUBLE POINT CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE BLUE LINE SITE IS AT A STREAM NEAR FIVE BROOKS AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	1	384.	384.	384.	384.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-04/16/97	1	2.584	2.584	2.584	2.584	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			384.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	20.	20.	20.	20.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00												
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0031

NPS Station ID: PORE0031
LAT/LON: 37.996865/-122.984866
Agency: 11NPSWRD
Date Created: 08/14/99
Location: A RANCH PERENNIAL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_MMWD_DBY3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY OE S; CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE A RANCH PERENNIAL SITE IS AT A STREAM AT POINT REYES AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/98-03/10/98	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/10/98-03/10/98	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/10/98-03/10/98	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/10/98-03/10/98	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-03/10/98	2 ##	0.087	0.087	0.125	0.05	0.003	0.053	**	**	**	**
00612	AMMONIA, UNIONZED (MG/L AS N)	03/10/98-03/10/98	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1	1.06	1.06	1.06	1.06	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-03/10/98	2	1730.	1730.	1860.	1600.	33800.	183.848	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-03/10/98	2	3.237	3.237	3.27	3.204	0.002	0.046	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1725.109								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/98-03/10/98	1	920.	920.	920.	920.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/98-03/10/98	1	2.964	2.964	2.964	2.964	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			920.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-03/10/98	2	198.	198.	360.	36.	52488.	229.103	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	52.	52.	52.	52.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	6.	6.	6.	6.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	2	2	1.00							2	2	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0032

NPS Station ID: PORE0032 | LAT/LON: 37.997226/-122.733338 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: OLEMA CREEK 1 KM UPSTREAM OF STEWART RANCH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_SFSU_1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BOLINAS CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT OLEMA CREEK APPROXIMATELY 1 KILOMETER UPSTREAM OF STEWART RANCH. A TOTAL OF 10 SAMPLES WERE COLLECTED AT THIS SITE FROM 6 SEPTEMBER 1978 THROUGH 14 JANUARY 1979. FIVE SAMPLES WERE TAKEN BEFORE THE RAINY SEASON ON SEPT. 6; 12; 18; 28; AND OCT. 5. THE OTHER FIVE SAMPLES WERE COLLECTED DURING THE RAINY SEASON ON NOV. 19; 24; DEC. 18; JAN. 8 AND JAN 24. THE RESULTS ARE IN "AGRICULTURAL RUNOFF ASSESSMENT: USE OF SPECIES DIVERSITY INDICES; INDICATOR ORGANISMS; AND CHEMICAL PARAMETER INDEX" BY BRUCE WILLIAM SCHWENNEKER (THESIS FOR THE DEGREE MASTER OF ARTS-SAN FRANCISCO STATE UNIVERSITY; MAY 1979). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0032

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0033

NPS Station ID: PORE0033
LAT/LON: 37.997253/-122.703116
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-002 KENT LAKE DAM AT 10FT DEPTH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D21/002-KENT-LK
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 8.70
On/Off RF1:
RF3 Index: 18050002056500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.30
On/Off RF3:
Description:
DIST 04 MMWD

Parameter Inventory for Station: PORE0033

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: PORE0034

NPS Station ID: PORE0034 | LAT/LON: 37.999003/-122.755616 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: GIACOMINI GULCH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_MMWD_OLM2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DOUBLE POINT CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE GIACOMINI GULCH SITE IS AT A STREAM NEAR FIVE BROOKS AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	1	1203.	1203.	1203.	1203.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-04/16/97	1	3.08	3.08	3.08	3.08	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1203.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	194.	194.	194.	194.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	0.77	0.77	0.77	0.77	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0035

NPS Station ID: PORE0035 | LAT/LON: 38.002476/-122.760004 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: OLEMA CREEK 1/2 KM UPSTREAM OF STEWART RANCH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_SFSU_2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT OLEMA CREEK APPROXIMATELY 1/2 KILOMETER UPSTREAM OF STEWART RANCH. A TOTAL OF 10 SAMPLES WERE COLLECTED AT THIS SITE FROM 6 SEPTEMBER 1978 THROUGH 14 JANUARY 1979. FIVE SAMPLES WERE TAKEN BEFORE THE RAINY SEASON ON SEPT. 6; 12; 18; 28; AND OCT. 5. THE OTHER FIVE SAMPLES WERE COLLECTED DURING THE RAINY SEASON ON NOV. 19; 24; DEC. 18; JAN. 8 AND JAN 24. THE RESULTS ARE IN "AGRICULTURAL RUNOFF ASSESSMENT: USE OF SPECIES DIVERSITY INDICES; INDICATOR ORGANISMS; AND CHEMICAL PARAMETER INDEX" BY BRUCE WILLIAM SCHWENNEKER (THESIS FOR THE DEGREE MASTER OF ARTS-SAN FRANCISCO STATE UNIVERSITY; MAY 1979). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0035

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0036

NPS Station ID: PORE0036 LAT/LON: 38.004198/-122.707588 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK UPSTREAM OF SHAFTER BRIDGE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_MMWD_SB
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LAGUNITAS CREEK IMMEDIATELY UPSTREAM OF SHAFTER BRIDGE AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. WATER TEMPERATURE AND DISSOLVED OXYGEN WERE MEASURED AT THIS SITE TWICE WEEKLY FROM 6 JULY 1983 THROUGH 6 NOVEMBER 1984. MINIMUM AND MAXIMUM WATER TEMPERATURES THAT OCURRED BETWEEN MEASUREMENTS WERE NOTED FROM RECORDING THERMOMETERS. THE RESULTS ARE IN "SUMMARY OF STUDY RESULTS AND PROPOSED MITIGATION MEASURES-LAGUNITAS CREEK BASIN MARIN COUNTY CALIFORNIA" BY BRATOVICH AND KELLEY (OCTOBER 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: PORE0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/06/83-11/06/84	52	58.	57.904	67.	52.	9.657	3.108	54.	56.	60.	62.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/83-11/06/84	51	8.6	8.502	11.	7.2	0.742	0.862	7.4	7.8	9.1	9.6
85334	TEMPERATURE-DEG F, MINIMUM WATER	07/06/83-11/06/84	48	56.	55.167	59.	46.	7.004	2.646	52.7	54.	57.	58.
85335	TEMPERATURE- DEG F , MAXIMUM WATER	07/06/83-11/06/84	46	61.	61.152	67.	56.	6.743	2.597	57.7	59.875	63.125	64.3

** - 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: PORE0036

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	51	0	0.00	44	0	0.00	7	0	0.00						

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

Station Inventory for Station: PORE0037

NPS Station ID: PORE0037
LAT/LON: 38.009142/-122.764893
Agency: 11NPSWRD
Date Created: 07/18/98
Location: OLEMA CREEK AT STEWART RANCH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_SFSU_3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT OLEMA CREEK AT STEWART RANCH. A TOTAL OF 10 SAMPLES WERE COLLECTED FROM 6 SEPTEMBER 1978 TO 14 JANUARY 1979. FIVE SAMPLES WERE TAKEN BEFORE THE RAINY SEASON ON SEPT. 6; 12; 18; 28; AND OCT. 5. THE OTHER FIVE SAMPLES WERE COLLECTED DURING THE RAINY SEASON ON NOV. 19; 24; DEC. 18; JAN. 8 AND JAN 24. THE RESULTS ARE IN "AGRICULTURAL RUNOFF ASSESSMENT: USE OF SPECIES DIVERSITY INDICES; INDICATOR ORGANISMS; AND CHEMICAL PARAMETER INDEX" BY BRUCE WILLIAM SCHWENNEKER (THESIS FOR THE DEGREE MASTER OF ARTS-SAN FRANCISCO STATE UNIVERSITY; MAY 1979). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0037

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0038

NPS Station ID: PORE0038 LAT/LON: 38.011253/-122.711227 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE DOWNSTREAM OF SHAFTER FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_4_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE DOWNSTREAM OF SHAFTER. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.35	8.45	9.	8.1	0.163	0.404	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	15.	15.5	17.	15.	1.	1.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0038

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0039

NPS Station ID: PORE0039 LAT/LON: 38.011253/-122.711227 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE DOWNSTREAM OF SHAFTER FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_4_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE DOWNSTREAM OF SHAFTER. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0039

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	7.9	7.95	8.4	7.6	0.117	0.342	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	16.5	16.25	17.	15.	0.917	0.957	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0039

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0040

NPS Station ID: PORE0040 LAT/LON: 38.011253/-122.711227 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE DOWNSTREAM OF SHAFTER FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_4_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE DOWNSTREAM OF SHAFTER. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.3	8.2	8.6	7.6	0.187	0.432	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	15.	15.5	17.	15.	1.	1.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0040

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0041

NPS Station ID: PORE0041 LAT/LON: 38.011253/-122.711227 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE DOWNSTREAM OF SHAFTER FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_4_4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE DOWNSTREAM OF SHAFTER. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	7.75	7.425	8.2	6.	0.962	0.981	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	16.	16.	17.	15.	1.333	1.155	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0041

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0042

NPS Station ID: PORE0042 LAT/LON: 38.012198/-122.657560 Agency: 11NPSWRD Date Created: 07/18/98
Location: SAN GERONIMO CREEK 3/4 MI DOWNSTREAM OF WOODACRE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_SG_1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON SAN GERONIMO CREEK APPROXIMATELY 3/4 MILE DOWNSTREAM OF WOODACRE. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	3	12.	11.833	12.5	11.	0.583	0.764	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	6	9.	8.3	11.	4.8	7.42	2.724	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	3	13.	12.667	13.	12.	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 time series plot

EPA Water Quality Criteria Analysis for Station: PORE0042

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	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: PORE0043

NPS Station ID: PORE0043 LAT/LON: 38.012198/-122.657560 Agency: 11NPSWRD Date Created: 07/18/98
Location: SAN GERONIMO CREEK 3/4 MI DOWNSTREAM OF WOODACRE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_SG_2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON SAN GERONIMO CREEK APPROXIMATELY 3/4 MILE DOWNSTREAM OF WOODACRE. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	3	12.5	12.167	13.	11.	1.083	1.041	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	6	9.	9.25	10.4	8.	0.863	0.929	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	3	13.	12.333	13.	11.	1.333	1.155	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0043

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	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: PORE0044

NPS Station ID: PORE0044 LAT/LON: 38.012198/-122.657560 Agency: 11NPSWRD Date Created: 07/18/98
Location: SAN GERONIMO CREEK 3/4 MI DOWNSTREAM OF WOODACRE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_SG_3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON SAN GERONIMO CREEK APPROXIMATELY 3/4 MILE DOWNSTREAM OF WOODACRE. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	3	12.	11.667	12.	11.	0.333	0.577	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	6	9.3	8.45	10.4	3.1	7.583	2.754	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	3	13.	12.333	13.	11.	1.333	1.155	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0044

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	1	0.17	2	0	0.00				4	1	0.25			

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

Station Inventory for Station: PORE0045

NPS Station ID: PORE0045 LAT/LON: 38.016670/-122.722449 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_LC_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF CAMP TAYLOR. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	3	14.5	14.	14.5	13.	0.75	0.866	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	6	9.9	9.167	11.2	5.6	5.223	2.285	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	3	14.	14.	15.	13.	1.	1.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0045

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	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: PORE0046

NPS Station ID: PORE0046 LAT/LON: 38.016670/-122.722449 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_LC_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF CAMP TAYLOR. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	3	15.	14.333	15.	13.	1.333	1.155	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	6	10.1	10.	11.	8.8	0.928	0.963	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	3	15.	14.333	15.	13.	1.333	1.155	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0046

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	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: PORE0047

NPS Station ID: PORE0047 LAT/LON: 38.016670/-122.722449 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_LC_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF CAMP TAYLOR. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	3	15.	14.333	15.	13.	1.333	1.155	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	6	9.8	9.733	10.6	8.6	0.699	0.836	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	3	15.	14.333	15.	13.	1.333	1.155	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0047

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	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: PORE0048

NPS Station ID: PORE0048 LAT/LON: 38.016670/-122.722477 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_3_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF CAMP TAYLOR. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.2	8.3	8.6	8.2	0.04	0.2	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	14.	14.	15.	13.	0.667	0.816	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0048

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0049

NPS Station ID: PORE0049 LAT/LON: 38.016670/-122.722477 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_3_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF CAMP TAYLOR. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.5	8.45	8.6	8.2	0.037	0.191	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	14.5	14.25	15.	13.	0.917	0.957	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0049

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0050

NPS Station ID: PORE0050 LAT/LON: 38.016670/-122.722477 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF CAMP TAYLOR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_3_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF CAMP TAYLOR. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.3	8.25	8.8	7.6	0.243	0.493	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	14.5	14.5	16.	13.	1.667	1.291	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0050

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0051

NPS Station ID: PORE0051 | LAT/LON: 38.016670/-122.771087 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: OLEMA CREEK 1/2 KM DOWNSTREAM OF STEWART RANCH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_SFSU_4
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT OLEMA CREEK APPROXIMATELY 1/2 KILOMETER DOWNSTREAM OF STEWART RANCH. A TOTAL OF 10 SAMPLES WERE COLLECTED AT THIS SITE FROM 6 SEPTEMBER 1978 THROUGH 14 JANUARY 1979. FIVE SAMPLES WERE TAKEN BEFORE THE RAINY SEASON ON SEPT. 6; 12; 18; 28; AND OCT. 5. THE OTHER FIVE SAMPLES WERE COLLECTED DURING THE RAINY SEASON ON NOV. 19; 24; DEC. 18; JAN. 8 AND JAN 24. THE RESULTS ARE IN "AGRICULTURAL RUNOFF ASSESSMENT: USE OF SPECIES DIVERSITY INDICES; INDICATOR ORGANISMS; AND CHEMICAL PARAMETER INDEX" BY BRUCE WILLIAM SCHWENNEKER (THESIS FOR THE DEGREE MASTER OF ARTS-SAN FRANCISCO STATE UNIVERSITY; MAY 1979). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0051

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0052

NPS Station ID: PORE0052 LAT/LON: 38.018392/-122.723782 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK UPSTREAM OF IRVING BRIDGE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_MMWD_IB
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LAGUNITAS CREEK IMMEDIATELY UPSTREAM OF IRVING BRIDGE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. WATER TEMPERATURE AND DISSOLVED OXYGEN WERE MEASURED AT THIS SITE TWICE WEEKLY FROM 6 JULY 1983 THROUGH 17 OCTOBER 1983. MINIMUM AND MAXIMUM WATER TEMPERATURES THAT OCCURRED BETWEEN MEASUREMENTS WERE NOTED FROM RECORDING THERMOMETERS. THE RESULTS ARE IN "SUMMARY OF STUDY RESULTS AND PROPOSED MITIGATION MEASURES-LAGUNITAS CREEK BASIN MARIN COUNTY CALIFORNIA" BY BRATOVICH AND KELLEY (OCTOBER 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: PORE0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/06/83-10/17/83	25	58.	57.92	63.	52.	9.743	3.121	53.	55.5	60.	62.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/83-10/17/83	24	9.9	9.95	10.9	9.1	0.183	0.427	9.4	9.625	10.275	10.6
85334	TEMPERATURE-DEG F, MINIMUM WATER	07/06/83-10/17/83	23	56.	56.078	59.	50.	4.086	2.021	54.	55.	58.	58.
85335	TEMPERATURE- DEG F , MAXIMUM WATER	07/06/83-10/17/83	23	64.	63.117	66.	58.5	4.403	2.098	60.	61.	65.	65.8

** - 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: PORE0052

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	24	0	0.00	21	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: PORE0053

NPS Station ID: PORE0053
LAT/LON: 38.024115/-122.734726
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-300 BARNABY CREEK DIVERSION
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/300-BARNABY
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 1.00
On/Off RF1:
RF3 Index: 18050005000302.29
RF3 Mile Point: 3.11
Distance from RF3: 0.08
On/Off RF3:
Description:
DIST 04 SAMUEL P TAYLOR STATE PARK

Parameter Inventory for Station: PORE0053

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: PORE0054

NPS Station ID: PORE0054 | LAT/LON: 38.028115/-122.962948 | Agency: 11NPSWRD | Date Created: 07/24/99
Location: DRAKE BEACH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /RESERV/TYPA/AMBNT | STORET Station ID(s): PORE_NPS_DRAK
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT DRAKE BEACH INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." SAMPLE FRACTIONS ANALYZED WERE NOT STATED BY THE REPORT; THEREFORE; THEY WERE ASSUMED. FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/28/64-09/28/64	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/28/64-09/28/64	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/28/64-09/28/64	1	175.	175.	175.	175.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/64-09/28/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	1	1.00	1	1	1.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0055

NPS Station ID: PORE0055
LAT/LON: 38.028503/-122.740031
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-300 DEADMAN CREEK WATER AT COLLECTION BOX
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/300-DMAN CR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 1.70
On/Off RF1:
RF3 Index: 18050005000404.49
RF3 Mile Point: 5.01
Distance from RF3: 0.01
On/Off RF3:
Description:
DIST 04 SAMUEL P TAYLOR STATE PARK

Parameter Inventory for Station: PORE0055

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: PORE0056

NPS Station ID: PORE0056
LAT/LON: 38.028503/-122.740031
Agency: 21CAL-3G
Date Created: 11/21/87
Location: 21-300 INFILTRATION GALLERY
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/300-INFILBX
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 26.30
On/Off RF1:
RF3 Index: 18050005018500.00
RF3 Mile Point: 0.95
Distance from RF3: 0.07
On/Off RF3:
Description:
DIST 04 SAMUEL P TAYLOR STATE PARK

Parameter Inventory for Station: PORE0056

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: PORE0057

NPS Station ID: PORE0057
Location: 21-300 SIDESPRING
Station Type: /TYPA/MUN/INTAKE/AMBNT/SPRING
RMI-Indexes:
RMI-Miles:
HUC: 18050005
Major Basin: CALIFORNIA
Minor Basin: SAN FRANCISCO BAY REGION
RF1 Index: 18050005
RF3 Index: 18050005000403.37
Description:
DIST 04 SAMUEL P TAYLOR STATE PARK

LAT/LON: 38.028503/-122.740031

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 5.99

Agency: 21CAL-3G
FIPS State/County: 06041 CALIFORNIA/MARIN
STORET Station ID(s): D21/300-SIDESPR
Within Park Boundary: Yes

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.60
Distance from RF3: 0.06

Date Created: 11/21/87

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: PORE0057

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: PORE0058

NPS Station ID: PORE0058 LAT/LON: 38.029143/-122.735476 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK UPSTREAM OF DEVILS GULCH CREEK FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_MMWD_DGC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LAGUNITAS CREEK IMMEDIATELY UPSTREAM OF DEVILS GULCH CREEK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. WATER TEMPERATURE AND DISSOLVED OXYGEN WERE MEASURED AT THIS SITE TWICE WEEKLY FROM 6 JULY 1983 THROUGH 6 NOVEMBER 1984. MINIMUM AND MAXIMUM WATER TEMPERATURES THAT OCCURRED BETWEEN MEASUREMENTS WERE NOTED FROM RECORDING THERMOMETERS. THE RESULTS ARE IN "SUMMARY OF STUDY RESULTS AND PROPOSED MITIGATION MEASURES-LAGUNITAS CREEK BASIN MARIN COUNTY CALIFORNIA" BY BRATOVICH AND KELLEY (OCTOBER 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: PORE0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/06/83-11/06/84	52	60.	59.885	66.	53.	9.163	3.027	55.	58.	62.	64.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/83-11/06/84	50	9.1	9.142	11.	7.2	0.634	0.796	8.	8.775	9.625	10.1
85334	TEMPERATURE-DEG F, MINIMUM WATER	07/06/83-11/06/84	52	55.	54.275	62.	43.8	12.174	3.489	49.	53.	56.	58.
85335	TEMPERATURE- DEG F , MAXIMUM WATER	07/06/83-11/06/84	50	64.	63.776	70.	54.	13.023	3.609	58.2	62.	66.	67.9

** - 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: PORE0058

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	50	0	0.00	44	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: PORE0059

NPS Station ID: PORE0059 LAT/LON: 38.030059/-122.801227 Agency: 11NPSWRD Date Created: 07/24/99
Location: BEAR VALLEY CREEK UPSTREAM FROM TRIBUTARY 2 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PORE_NPS_BVUT
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BEAR VALLEY CREEK UPSTREAM FROM TRIBUTARY 2 IS LOCATED INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-10/01/65	10	52.5	52.3	55.	49.	4.233	2.058	49.1	50.75	54.25	55.
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/01/65	12	100.5	135.	422.	65.	9967.273	99.836	65.9	74.5	140.75	359.9

** - 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

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

Station Inventory for Station: PORE0060

NPS Station ID: PORE0060 LAT/LON: 38.032004/-122.741392 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF JEWELL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_2_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF JEWELL. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.2	8.2	8.4	8.	0.027	0.163	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	12.5	12.5	13.	12.	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 time series plot

EPA Water Quality Criteria Analysis for Station: PORE0060

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0061

NPS Station ID: PORE0061 LAT/LON: 38.032004/-122.741392 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF JEWELL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_2_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF JEWELL. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0061

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	9.	8.95	9.2	8.6	0.063	0.252	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	13.	13.	14.	12.	0.667	0.816	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0061

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0062

NPS Station ID: PORE0062 LAT/LON: 38.032004/-122.741392 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF JEWELL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_2_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF JEWELL. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0062

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.35	7.75	8.7	5.6	2.097	1.448	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	13.	13.	14.	12.	0.667	0.816	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0062

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0063

NPS Station ID: PORE0063 LAT/LON: 38.032004/-122.741392 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/2 MILE UPSTREAM OF JEWELL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_2_4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/2 MILE UPSTREAM OF JEWELL. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.55	8.45	8.6	8.1	0.057	0.238	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	13.	13.	14.	12.	0.667	0.816	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0063

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0064

NPS Station ID: PORE0064
LAT/LON: 38.032031/-122.805755
Agency: 11NPSWRD
Date Created: 07/24/99
Location: BEAR VALLEY CREEK TRIBUTARY 2
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_BVT2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BEAR VALLEY CREEK TRIBUTARY 2 INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-10/22/64	4	53.5	53.75	55.	53.	0.917	0.957	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	6	23.	24.667	37.	16.	81.867	9.048	**	**	**	**

** - Less than 9 observations ## - 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: PORE0065

NPS Station ID: PORE0065
LAT/LON: 38.032503/-122.870837
Agency: 21CAL-1
Date Created: 01/19/80
Location: LAGUNA RANCH C 4MI SW PT REYES ST
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1815704 /2012001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005018
RF1 Mile Point: 7.120
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005018100.21
RF3 Mile Point: 0.62
Distance from RF3: 0.28
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 20 ;
STATION NAME: LAGUNA RANCH C 4MI SW PT REYES ST; DWR COUNTY CODE: 21; LATITUDE: 380157; LONGITUDE: 1225215;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 02N, RANGE 09, SECTION 08JBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/07/54-01/07/54	1	55.4	55.4	55.4	55.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/07/54-01/07/54	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/07/54-01/07/54	1	439.	439.	439.	439.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/07/54-01/07/54	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/07/54-01/07/54	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/07/54-01/07/54	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/07/54-01/07/54	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/07/54-01/07/54	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/07/54-01/07/54	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/07/54-01/07/54	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/07/54-01/07/54	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/07/54-01/07/54	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/07/54-01/07/54	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/07/54-01/07/54	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/07/54-01/07/54	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/07/54-01/07/54	1	60.	60.	60.	60.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/07/54-01/07/54	1	102.	102.	102.	102.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/07/54-01/07/54	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: PORE0066

NPS Station ID: PORE0066 | LAT/LON: 38.034809/-122.726003 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: DEVILS GULCH CREEK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_WESCO_DG_1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON DEVILS GULCH CREEK APPROXIMATELY 3/4 MILE UPSTREAM OF LAGUNITAS CREEK. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	3	13.	12.333	13.	11.	1.333	1.155	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	6	9.5	9.433	11.	8.	1.335	1.155	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	3	12.	12.	13.	11.	1.	1.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0066

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	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: PORE0067

NPS Station ID: PORE0067 | LAT/LON: 38.034809/-122.726003 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: DEVILS GULCH CREEK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_WESCO_DG_2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON DEVILS GULCH CREEK APPROXIMATELY 3/4 MILE UPSTREAM OF LAGUNITAS CREEK. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/15/91	3	12.5	12.	12.5	11.	0.75	0.866	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/15/91	6	9.45	9.05	10.6	6.2	2.687	1.639	**	**	**	**
85583	TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/15/91	3	12.	11.667	12.	11.	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 time series plot

EPA Water Quality Criteria Analysis for Station: PORE0067

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	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: PORE0068

NPS Station ID: PORE0068 | LAT/LON: 38.034809/-122.726003 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: DEVILS GULCH CREEK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_WESCO_DG_3
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON DEVILS GULCH CREEK APPROXIMATELY 3/4 MILE UPSTREAM OF LAGUNITAS CREEK. THE REDD WAS CONSTRUCTED ON 10 MAY 1991. DATA COLLECTED PRIOR TO CONSTRUCTION WERE ASSIGNED A TIME OF 1200. DATA COLLECTED IMMEDIATELY AFTER CONSTRUCTION WERE ASSIGNED A TIME OF 1201. THE OTHER DATA WERE COLLECTED ON 15 MAY 1991. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/91-05/10/91	2	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/10/91-05/10/91	4	9.4	9.275	10.1	8.2	0.863	0.929	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	05/10/91-05/10/91	2	13.	13.	13.	13.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0068

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	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: PORE0069

NPS Station ID: PORE0069
LAT/LON: 38.034865/-122.782837
Agency: 11NPSWRD
Date Created: 07/24/99
Location: OLEMA CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_OLEM
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT OLEMA CREEK INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." SAMPLE FRACTIONS ANALYZED WERE NOT STATED BY THE REPORT; THEREFORE; THEY WERE ASSUMED. FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00440	BICARBONATE ION (MG/L AS HCO3)	02/17/54-02/17/54	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/17/54-02/17/54	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	02/17/54-02/17/54	1	32.	32.	32.	32.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/17/54-02/17/54	1	70.	70.	70.	70.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: PORE0070

NPS Station ID: PORE0070 LAT/LON: 38.035920/-122.782448 Agency: 11NPSWRD Date Created: 07/18/98
Location: OLEMA CREEK 3 KM DOWNSTREAM OF STEWART RANCH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_SFSU_5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT OLEMA CREEK APPROXIMATELY 3 KILOMETER DOWNSTREAM OF STEWART RANCH. A TOTAL OF 10 SAMPLES WERE COLLECTED AT THIS SITE FROM 6 SEPTEMBER 1978 THROUGH 14 JANUARY 1979. FIVE SAMPLES WERE TAKEN BEFORE THE RAINY SEASON ON SEPT. 6; 12; 18; 28; AND OCT. 5. THE OTHER FIVE SAMPLES WERE COLLECTED DURING THE RAINY SEASON ON NOV. 19; 24; DEC. 18; JAN. 8 AND JAN 24. THE RESULTS ARE IN "AGRICULTURAL RUNOFF ASSESSMENT: USE OF SPECIES DIVERSITY INDICES; INDICATOR ORGANISMS; AND CHEMICAL PARAMETER INDEX" BY BRUCE WILLIAM SCHWENNEKER (THESIS FOR THE DEGREE MASTER OF ARTS-SAN FRANCISCO STATE UNIVERSITY; MAY 1979). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0070

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0071

NPS Station ID: PORE0071
LAT/LON: 38.036392/-122.782782
Agency: 21CAL-1
Date Created: 01/19/80
Location: OLEMA CR AB OLEMA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1111401 /2011313
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002096900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.10
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 60 ;
STATION NAME: OLEMA C AB OLEMA ; DWR COUNTY CODE: 21; LATITUDE: 380211; LONGITUDE: 1224658;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 02N, RANGE 08, SECTION 07HBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/54-02/17/54	1	53.6	53.6	53.6	53.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/17/54-02/17/54	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	02/17/54-02/17/54	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/54-02/17/54	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/17/54-02/17/54	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/17/54-02/17/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/17/54-02/17/54	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/17/54-02/17/54	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/17/54-02/17/54	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/17/54-02/17/54	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/17/54-02/17/54	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/17/54-02/17/54	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/17/54-02/17/54	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/17/54-02/17/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/17/54-02/17/54	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/17/54-02/17/54	1	130.	130.	130.	130.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	02/17/54-02/17/54	1	25.	25.	25.	25.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/17/54-02/17/54	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0072

NPS Station ID: PORE0072 | LAT/LON: 38.037866/-122.938866 | Agency: 11NPSWRD | Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #5 | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_CADHS_DE5
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE FIVE IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0072

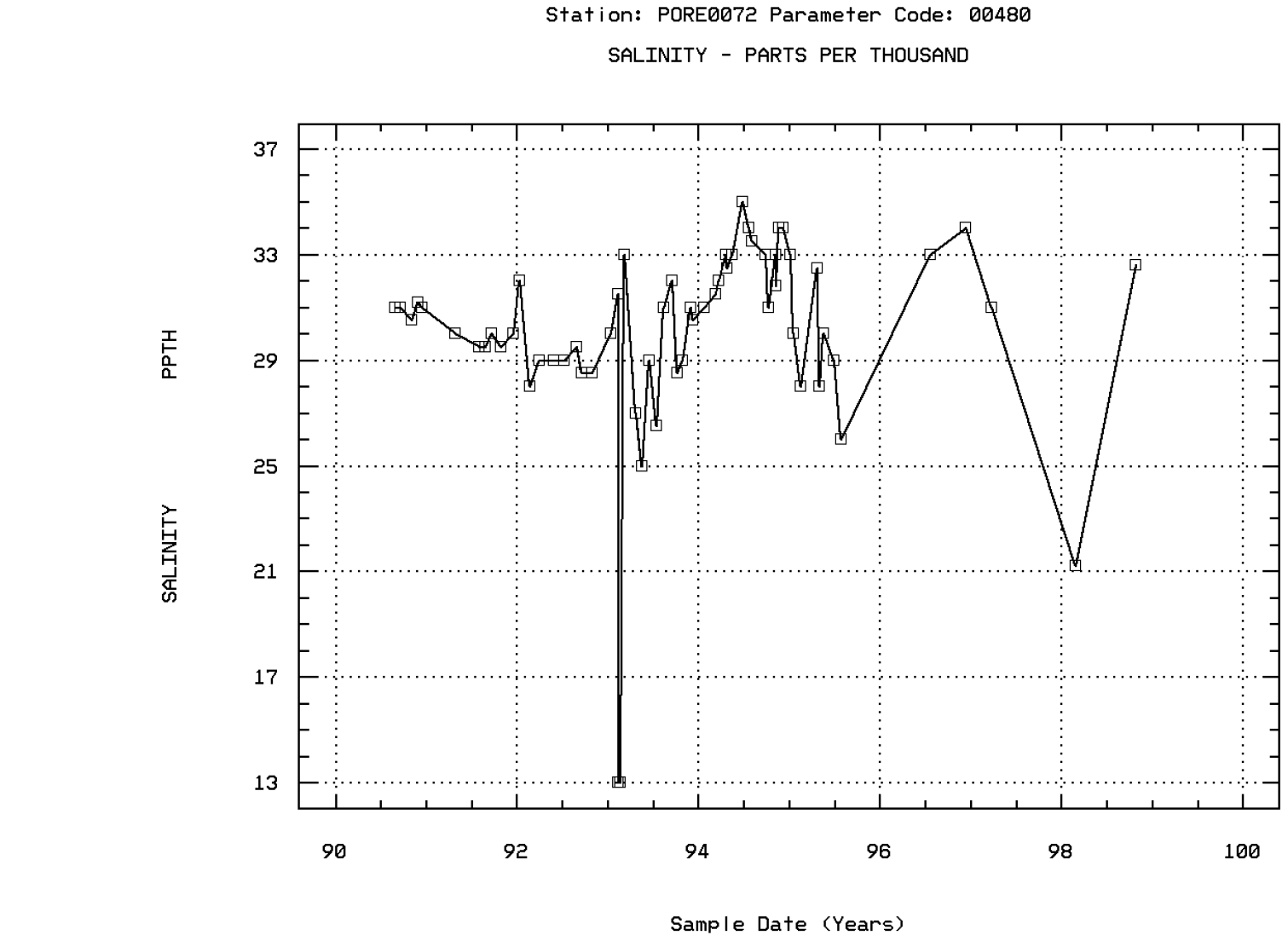
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	62	13.3	13.858	30.	8.8	12.828	3.582	10.5	12.	15.	16.85
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	62	30.75	29.956	35.	13.	15.681	3.96	26.65	29.	32.5	33.35
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	86	2.	23.686	1100.	1.	14724.1	121.343	1.	1.	5.25	37.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	86	0.301	0.474	3.041	0.	0.428	0.654	0.	0.	0.719	1.57
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.981								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	87 ##	1.	4.747	49.	1.	88.935	9.431	1.	1.	4.	11.4
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	87 ##	0.	0.317	1.69	0.	0.211	0.459	0.	0.	0.602	1.056
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.074								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	5	5.	13.8	49.	1.	411.2	20.278	**	**	**	**

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

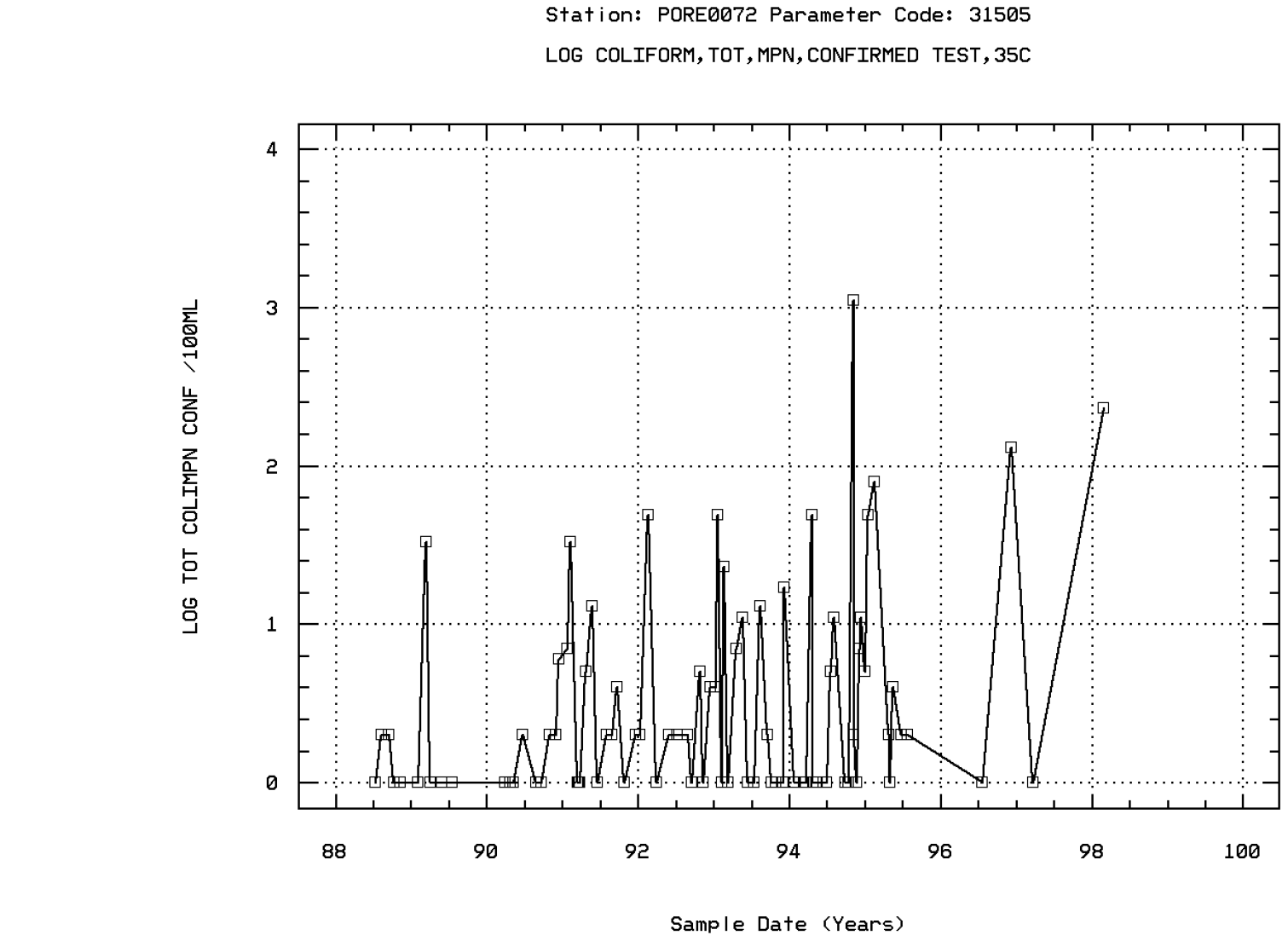
EPA Water Quality Criteria Analysis for Station: PORE0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	86	1	0.01	32	0	0.00	23	1	0.04	31	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	87	0	0.00	32	0	0.00	24	0	0.00	31	0	0.00			

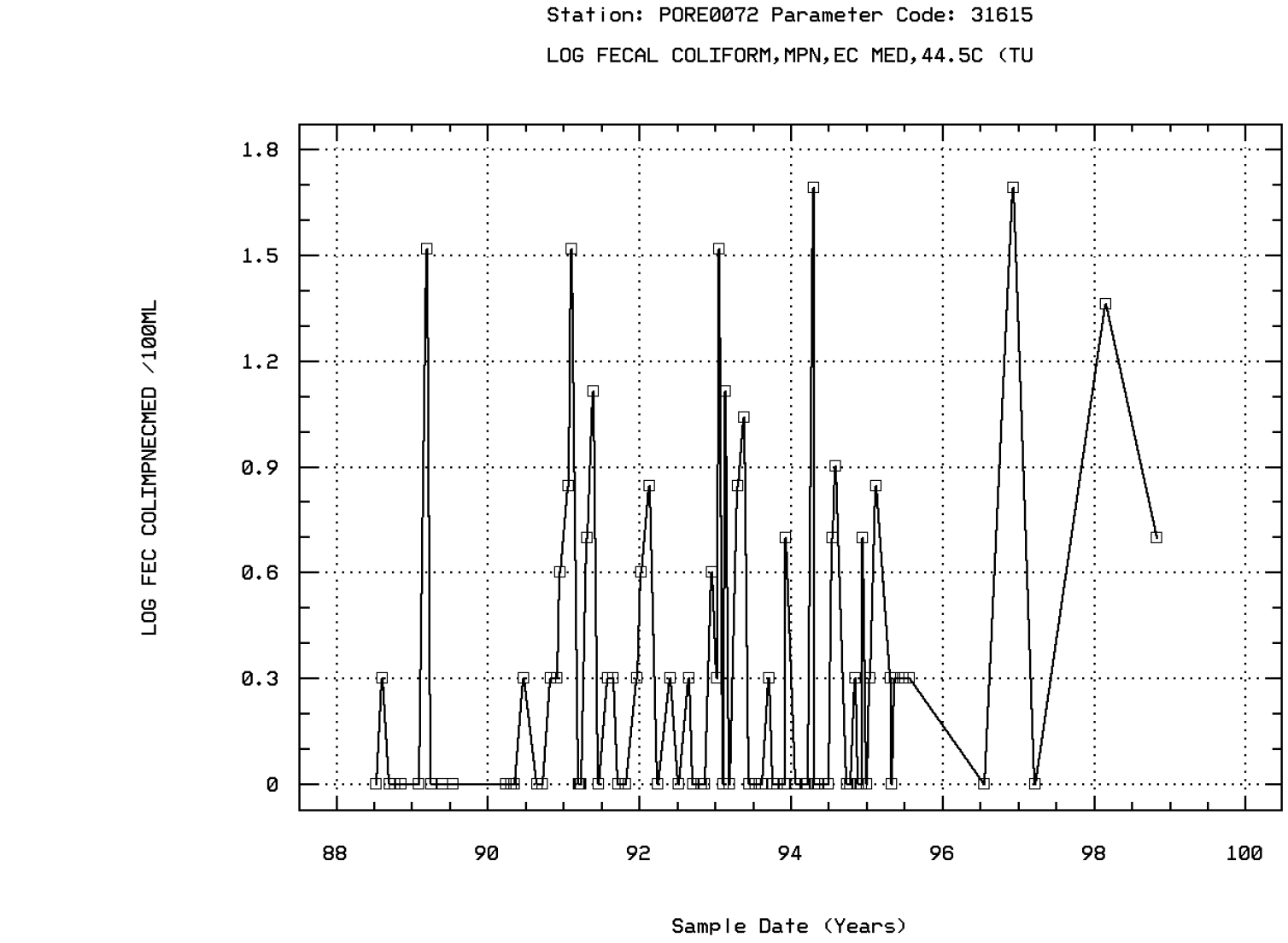
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



DRAKES ESTERO SAMPLING SITE #5



DRAKES ESTERO SAMPLING SITE #5



DRAKES ESTERO SAMPLING SITE #5

Annual Analysis for 1988 - Station PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5 ##	1.	1.4	2.	1.	0.3	0.548	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5 ##	0.	0.12	0.301	0.	0.027	0.165	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.32								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	0.	0.06	0.301	0.	0.018	0.135	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.149								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5 ##	1.	7.4	33.	1.	204.8	14.311	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5 ##	0.	0.304	1.519	0.	0.461	0.679	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.012								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	1.	7.4	33.	1.	204.8	14.311	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	0.	0.304	1.519	0.	0.461	0.679	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.012								

** - 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 1990 - Station PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9 ##	1.	1.889	6.	1.	2.611	1.616	1.	1.	2.	6.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9 ##	0.	0.187	0.778	0.	0.07	0.265	0.	0.	0.301	0.778
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.537								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	1.	1.667	4.	1.	1.	1.	1.	1.	2.	4.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	0.	0.167	0.602	0.	0.048	0.219	0.	0.	0.301	0.602
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.47								

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

Annual Analysis for 1991 - Station PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	13	2.	5.615	33.	1.	79.59	8.921	1.	1.	6.	25.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	13	0.301	0.437	1.519	0.	0.242	0.492	0.	0.	0.772	1.357
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.736								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13	2.	5.385	33.	1.	81.09	9.005	1.	1.	6.	25.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13	0.301	0.391	1.519	0.	0.253	0.503	0.	0.	0.772	1.357
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.459								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	10	2.	6.9	49.	1.	220.544	14.851	1.	1.	4.25	44.6
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	10	0.301	0.42	1.69	0.	0.257	0.507	0.	0.	0.626	1.591
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.627								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10 ##	1.5	2.4	7.	1.	4.044	2.011	1.	1.	4.	6.7
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10 ##	0.151	0.265	0.845	0.	0.102	0.319	0.	0.	0.602	0.821
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.841								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16 ##	1.5	8.375	49.	1.	164.25	12.816	1.	1.	12.5	30.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16 ##	0.151	0.512	1.69	0.	0.369	0.607	0.	0.	1.096	1.46
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.248								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	1.	5.125	33.	1.	69.983	8.366	1.	1.	6.5	19.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	0.	0.364	1.519	0.	0.26	0.51	0.	0.	0.809	1.235
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.311								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16 ##	1.	74.625	1100.	1.	74908.517	273.694	1.	1.	10.	364.3
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16 ##	0.	0.541	3.041	0.	0.726	0.852	0.	0.	0.992	2.096
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.477								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	1.	5.063	49.	1.	141.529	11.897	1.	1.	4.25	20.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	0.	0.287	1.69	0.	0.234	0.484	0.	0.	0.599	1.139
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.937								

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

Annual Analysis for 1995 - Station PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	8	3.	18.	79.	1.	872.	29.53	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	8	0.452	0.724	1.898	0.	0.484	0.696	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.297								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	8	2.	2.375	7.	1.	3.696	1.923	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	8	0.301	0.294	0.845	0.	0.068	0.261	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.967								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	2 ##	65.5	65.5	130.	1.	8320.5	91.217	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	2 ##	1.057	1.057	2.114	0.	2.234	1.495	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			11.402								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2 ##	25.	25.	49.	1.	1152.	33.941	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2 ##	0.845	0.845	1.69	0.	1.428	1.195	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			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 1997 - Station PORE0072

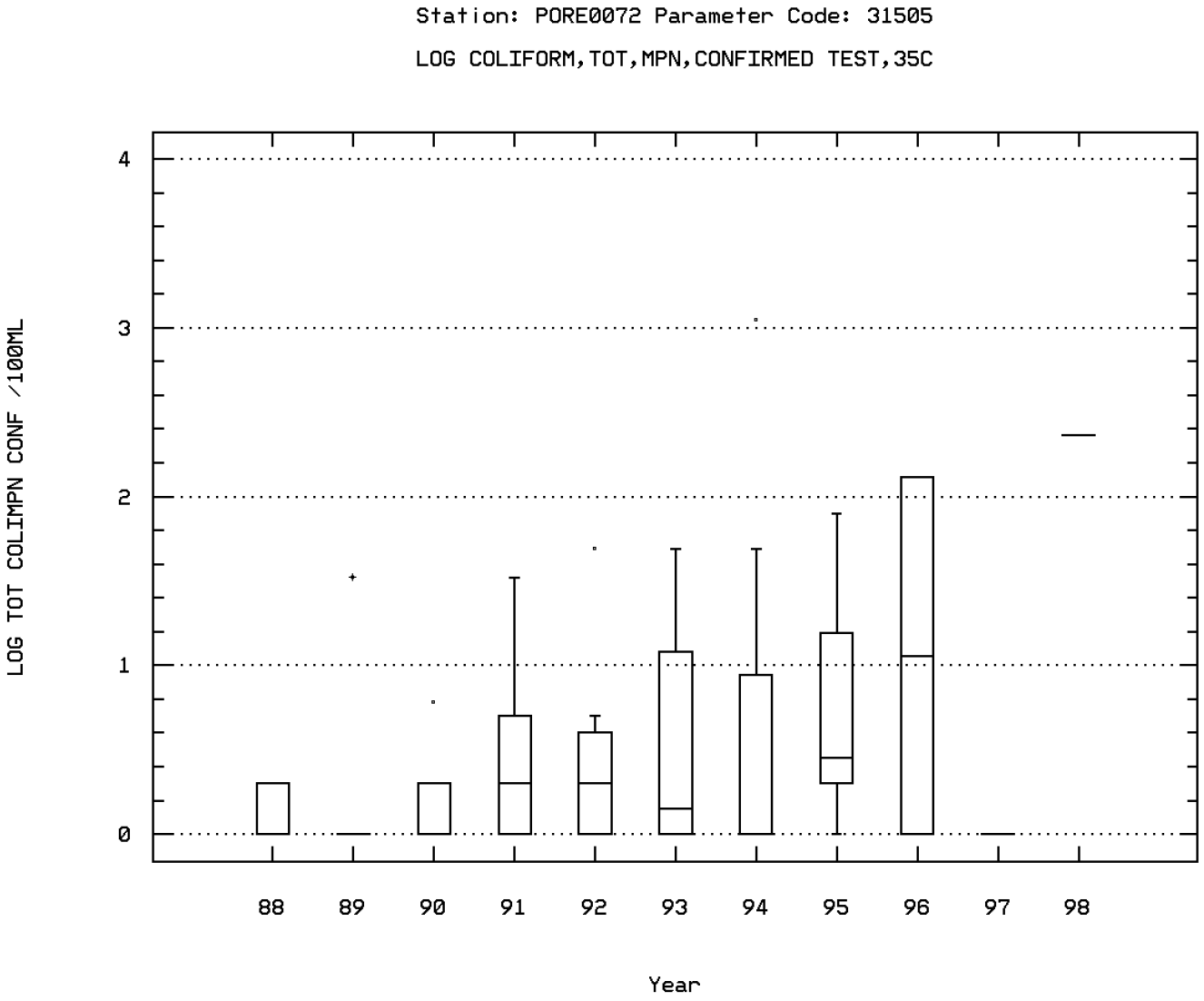
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			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

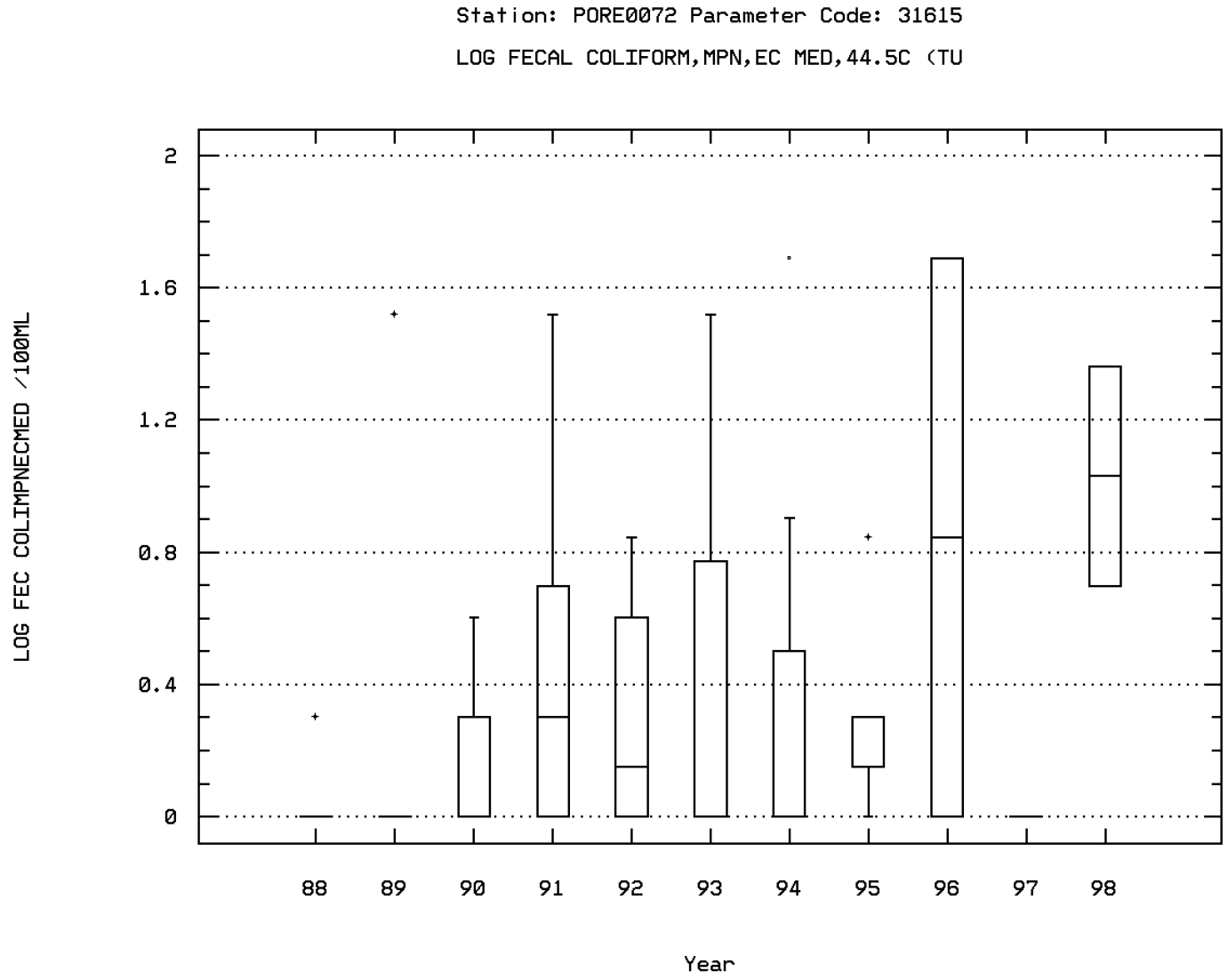
Annual Analysis for 1998 - Station PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	1	230.	230.	230.	230.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	1	2.362	2.362	2.362	2.362	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			230.								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2	14.	14.	23.	5.	162.	12.728	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2	1.03	1.03	1.362	0.699	0.22	0.469	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.724								

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



DRAKES ESTERO SAMPLING SITE #5



DRAKES ESTERO SAMPLING SITE #5

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	24	14.	14.854	22.	12.5	6.141	2.478	12.5	13.	15.75	19.25
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	24	29.75	30.229	35.	25.	6.456	2.541	26.25	29.	32.75	33.75
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	32	2.	3.031	13.	1.	12.934	3.596	1.	1.	2.	11.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	32	0.301	0.298	1.114	0.	0.13	0.36	0.	0.	0.301	1.041
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.985								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	32 ##	1.	2.344	13.	1.	8.426	2.903	1.	1.	2.	7.1
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	32 ##	0.	0.211	1.114	0.	0.1	0.316	0.	0.	0.301	0.842
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.627								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0072

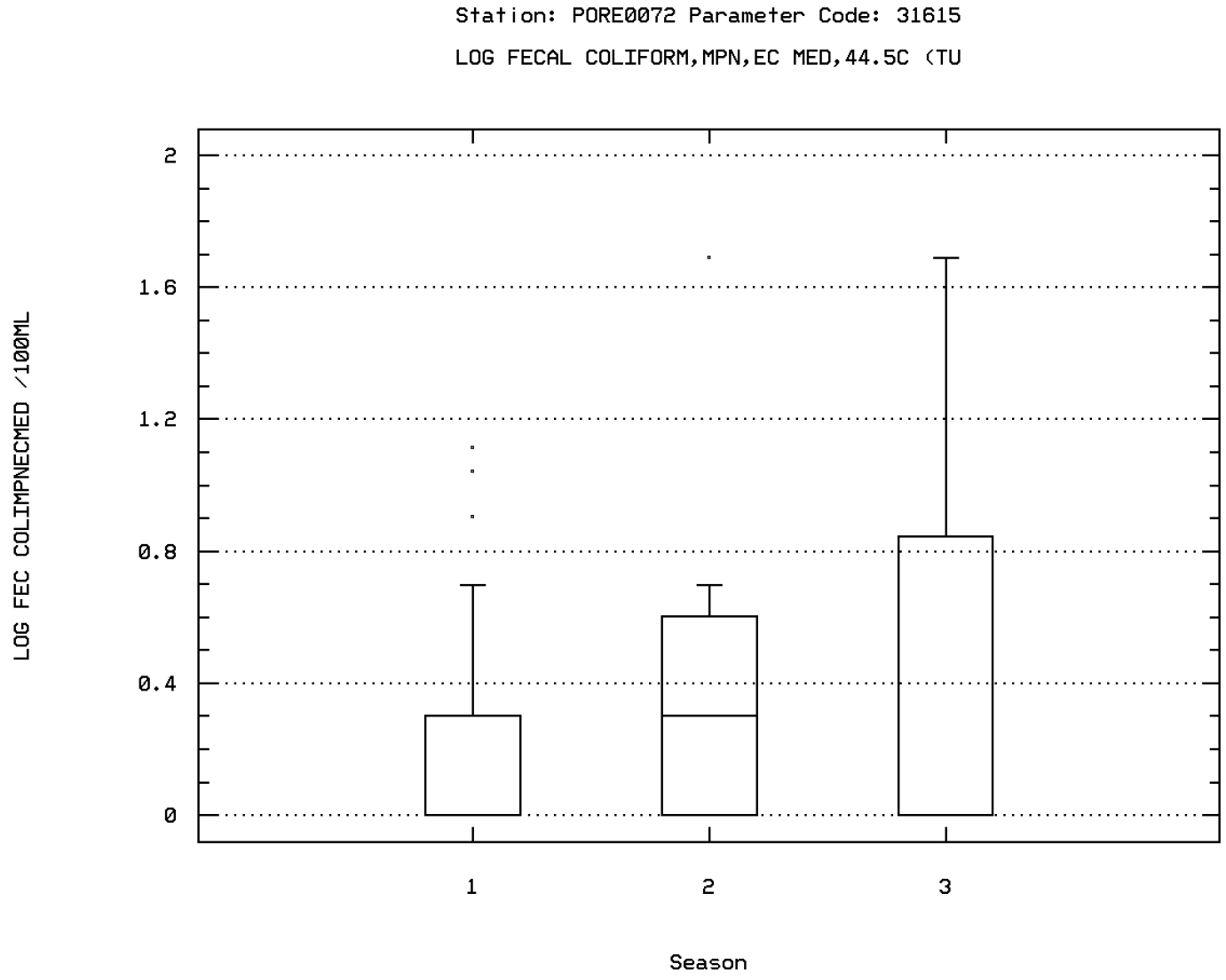
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	19	12.	11.968	15.8	8.8	4.506	2.123	9.	10.5	13.3	15.5
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	19	31.	31.4	34.	28.5	2.844	1.687	29.	30.	33.	34.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	23	2.	56.826	1100.	1.	52419.696	228.953	1.	1.	6.	84.8
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	23	0.301	0.572	3.041	0.	0.558	0.747	0.	0.	0.778	1.761
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.733								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	24	2.	4.125	49.	1.	93.505	9.67	1.	1.	4.	5.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	24	0.301	0.308	1.69	0.	0.16	0.4	0.	0.	0.602	0.699
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.034								

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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	19	13.3	14.489	30.	10.	25.608	5.06	11.	12.	15.	26.
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	19	30.	28.168	33.	13.	36.372	6.031	13.	28.	32.	33.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	31 ##	1.	20.419	230.	1.	1955.718	44.224	1.	1.	33.	49.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	31 ##	0.	0.584	2.362	0.	0.617	0.785	0.	0.	1.519	1.69
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.839								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	31 ##	1.	7.71	49.	1.	159.013	12.61	1.	1.	7.	33.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	31 ##	0.	0.432	1.69	0.	0.353	0.594	0.	0.	0.845	1.519
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.706								

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



DRAKES ESTERO SAMPLING SITE #5

Station Inventory for Station: PORE0073

NPS Station ID: PORE0073 LAT/LON: 38.039726/-122.744727 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/4 MILE DOWNSTREAM OF JEWELL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_1_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/4 MILE DOWNSTREAM OF JEWELL. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0073

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.4	8.475	9.	8.1	0.169	0.411	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	13.5	13.5	15.	12.	1.667	1.291	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0073

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0074

NPS Station ID: PORE0074 LAT/LON: 38.039726/-122.744727 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/4 MILE DOWNSTREAM OF JEWELL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_1_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/4 MILE DOWNSTREAM OF JEWELL. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0074

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	8.1	7.45	8.2	5.4	1.877	1.37	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	13.	12.75	13.	12.	0.25	0.5	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0074

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0075

NPS Station ID: PORE0075 LAT/LON: 38.039726/-122.744727 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK 1/4 MILE DOWNSTREAM OF JEWELL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_WESCO_1_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ONE OF THREE ARTIFICIAL SPAWNING REDDS THAT WAS CONSTRUCTED ON LAGUNITAS CREEK APPROXIMATELY 1/4 MILE DOWNSTREAM OF JEWELL. THE REDD WAS CONSTRUCTED ON 19 APRIL 1990. PRIOR TO CLEANING THE GRAVELS; A PERFORATED STANDPIPE WAS DRIVEN 10 INCHES INTO THE UNDISTURBED GRAVELS AND THE INTRAGRAVEL D.O. READING WAS TAKEN. A HAND PUMP WAS USED TO PUMP WATER FROM THE STANDPIPE UNTIL THE WATER RAN MODERATELY CLEAR; AND D.O. WAS MEASURED ON 5; 8; AND 15 MAY 1990. THE RESULTS ARE IN "HABITAT RECOMMENDATIONS FOR LAGUNITAS CREEK" BY DON KELLEY & ASSOCIATES AND ENTRIX INC. (FEBRUARY 1992). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3560.

Parameter Inventory for Station: PORE0075

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/19/90-05/15/90	4	6.9	6.725	8.5	4.6	2.636	1.624	**	**	**	**
85583 TEMPERATURE,INTRAGRAVEL WATER	04/19/90-05/15/90	4	13.	13.	13.	13.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0075

			Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: PORE0076

NPS Station ID: PORE0076
LAT/LON: 38.040282/-122.787782
Agency: 112WRD
Date Created: 01/14/78
Location: OLEMA C A OLEMA CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11460610
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.90
On/Off RF1:
RF3 Index: 18050005001300.74
RF3 Mile Point: 0.88
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/77-08/10/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/77-08/10/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/77-08/10/77	1	409.	409.	409.	409.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/10/77-08/10/77	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/10/77-08/10/77	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/10/77-08/10/77	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/77-08/10/77	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/10/77-08/10/77	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/10/77-08/10/77	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/10/77-08/10/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/10/77-08/10/77	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/10/77-08/10/77	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/10/77-08/10/77	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/10/77-08/10/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/10/77-08/10/77	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/10/77-08/10/77	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/10/77-08/10/77	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/10/77-08/10/77	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/77-08/10/77	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/77-08/10/77	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/10/77-08/10/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/10/77-08/10/77	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/10/77-08/10/77	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/10/77-08/10/77	1	120.	120.	120.	120.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/10/77-08/10/77	1	227.	227.	227.	227.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/10/77-08/10/77	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/10/77-08/10/77	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0077

NPS Station ID: PORE0077 | LAT/LON: 38.041948/-122.788337 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: OLEMA CREEK AT BEAR VALLEY ROAD | | FIPS State/County: 06041 CALIFORNIA/MARIN |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E1110901 /2011310 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | | |
HUC: 18050005 | Depth of Water: 0 | Aquifer: | |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: | |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: | |
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: |
RF3 Index: 18050005009500.00 | RF3 Mile Point: 0.01 | Distance from RF3: 0.05 | On/Off RF3: |

Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 35 ;
STATION NAME: OLEMA CREEK AT BEAR VALLEY ROAD ; DWR COUNTY CODE: 21; LATITUDE: 380231; LONGITUDE: 1224718;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 02N, RANGE 08, SECTION 06PBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0077

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0078

NPS Station ID: PORE0078
LAT/LON: 38.041948/-122.788337
Agency: 21CAL-4
Date Created: 06/28/80
Location: OLEMA CREEK AT BEAR VALLEY ROAD
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1110901
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050005009500.00
RF3 Mile Point: 0.01
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	9.2	9.2	10.6	7.8	3.92	1.98	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	50.	51.	53.	50.	3.	1.732	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	40.	93.333	200.	40.	8533.333	92.376	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	260.	271.6	370.	123.	10532.3	102.627	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	10.5	10.64	11.2	10.2	0.163	0.404	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.3	7.4	7.1	0.015	0.122	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.285	7.4	7.1	0.015	0.124	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.05	0.052	0.079	0.04	0.	0.016	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.12	0.133	0.26	0.02	0.015	0.121	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	3300.	5900.	16000.	2400.	33380000.	5777.543	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.519	3.643	4.204	3.38	0.119	0.345	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4396.327								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	1300.	1550.	2400.	350.	752500.	867.468	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	3.114	3.106	3.38	2.544	0.117	0.341	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1277.837								

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

EPA Water Quality Criteria Analysis for Station: PORE0078

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------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				3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	5	1.00				3	3	1.00	2	2	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	5	1.00				3	3	1.00	2	2	1.00			

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

Station Inventory for Station: PORE0079

NPS Station ID: PORE0079
LAT/LON: 38.041948/-122.789781
Agency: 11NPSWRD
Date Created: 08/14/99
Location: BEAR VALLEY
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_MMWD_LAG1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE BEAR VALLEY SITE IS AT A STREAM NEAR BEAR VALLEY RANCH AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	1	462.	462.	462.	462.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-04/16/97	1	2.665	2.665	2.665	2.665	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			462.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	1	1.	1.	1.	1.	0.	0.	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	19.	19.	19.	19.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	0.71	0.71	0.71	0.71	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0079

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00												
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0080

NPS Station ID: PORE0080 | LAT/LON: 38.042392/-122.806004 | Agency: 11NPSWRD | Date Created: 07/24/99
Location: BEAR VALLEY RANCH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_NPS_BEAR
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BEAR VALLEY RANCH INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." SAMPLE FRACTIONS ANALYZED WERE NOT STATED BY THE REPORT; THEREFORE; THEY WERE ASSUMED. FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/28/64-09/28/64	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/28/64-09/28/64	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/28/64-09/28/64	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/64-09/28/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0081

NPS Station ID: PORE0081
LAT/LON: 38.042809/-122.860810
Agency: 11NPSWRD
Date Created: 07/24/99
Location: LAGUNA CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_LAGU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LAGUNA CREEK INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/01/64-10/22/64	3	56.	55.667	57.	54.	2.333	1.528	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	6	33.	41.767	97.	7.3	1368.771	36.997	**	**	**	**

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

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

Station Inventory for Station: PORE0082

NPS Station ID: PORE0082
LAT/LON: 38.043531/-122.810838
Agency: 11NPSWRD
Date Created: 07/24/99
Location: BEAR VALLEY CREEK TRIBUTARY 1
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_BVT1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BEAR VALLEY CREEK TRIBUTARY 1 INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-10/22/64	2	55.5	55.5	56.	55.	0.5	0.707	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	3	21.	24.	37.	14.	139.	11.79	**	**	**	**

** - Less than 9 observations ## - 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: PORE0083

NPS Station ID: PORE0083 LAT/LON: 38.043559/-122.861671 Agency: 11NPSWRD Date Created: 05/31/99
Location: UNNAMED CREEK AT AMERICAN YOUTH HOSTEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PORE_ANIMA_A1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 80 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE IVERNESS; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED CREEK JUST DOWNSTREAM FROM THE CULVERT UNDER THE ENTRANCE TO THE PARKING LOT APPROXIMATELY 1/4 MILE UP FROM THE AMERICAN YOUTH HOSTEL. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/06/87	1	15.6	15.6	15.6	15.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-10/06/87	1	495.	495.	495.	495.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-10/06/87	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-10/06/87	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-10/06/87	1	0.083	0.083	0.083	0.083	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-10/06/87	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-10/06/87	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-10/06/87	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-10/06/87	1	0.072	0.072	0.072	0.072	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-10/06/87	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-10/06/87	1	17.	17.	17.	17.	0.	0.	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-10/06/87	1	0.175	0.175	0.175	0.175	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-10/06/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-10/06/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0084

NPS Station ID: PORE0084 | LAT/LON: 38.045115/-122.987255 | Agency: 11NPSWRD | Date Created: 07/24/99
Location: POINT REYES BEACH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_NPS_POIN
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT POINT REYES BEACH INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." SAMPLE FRACTIONS ANALYZED WERE NOT STATED BY THE REPORT; THEREFORE; THEY WERE ASSUMED. FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/28/64-09/28/64	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/28/64-09/28/64	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/28/64-09/28/64	1	175.	175.	175.	175.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/64-09/28/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0085

NPS Station ID: PORE0085
LAT/LON: 38.048976/-122.951309
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #4
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE FOUR IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0085

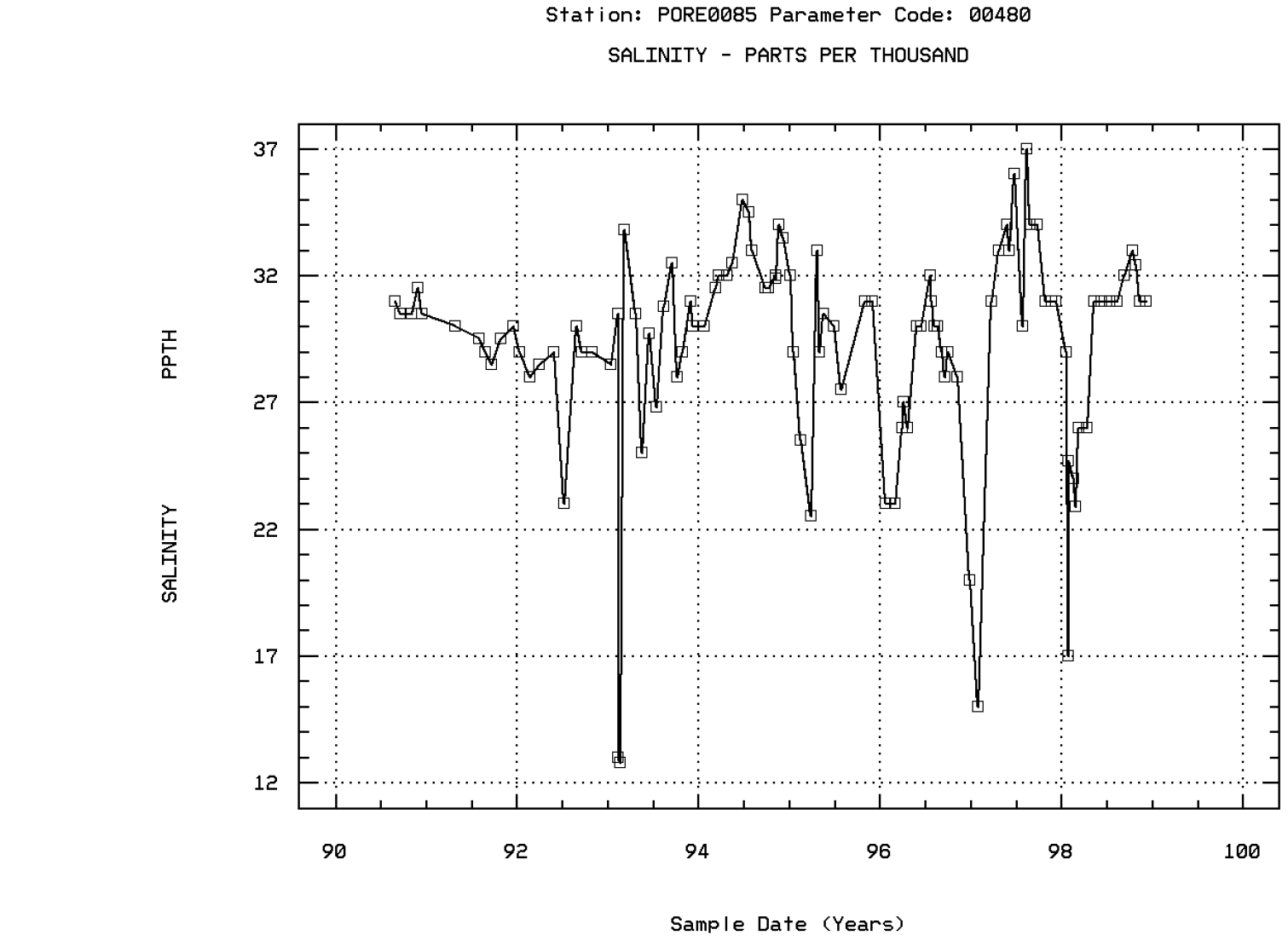
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	102	15.	14.802	28.	7.5	12.431	3.526	11.	12.375	17.	18.7
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	104	30.	29.315	37.	12.8	18.008	4.244	23.5	28.5	31.5	33.25
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	135	2.	37.207	700.	1.	11822.449	108.731	1.	1.	13.	79.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	135	0.301	0.68	2.845	0.	0.588	0.767	0.	0.	1.114	1.898
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.787								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	136 ##	1.	18.574	540.	1.	4512.795	67.177	1.	1.	5.	22.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	136 ##	0.	0.44	2.732	0.	0.421	0.649	0.	0.	0.699	1.348
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.752								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	30 ##	1.	33.667	350.	1.	8045.609	89.697	1.	1.	7.	160.9

** - 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

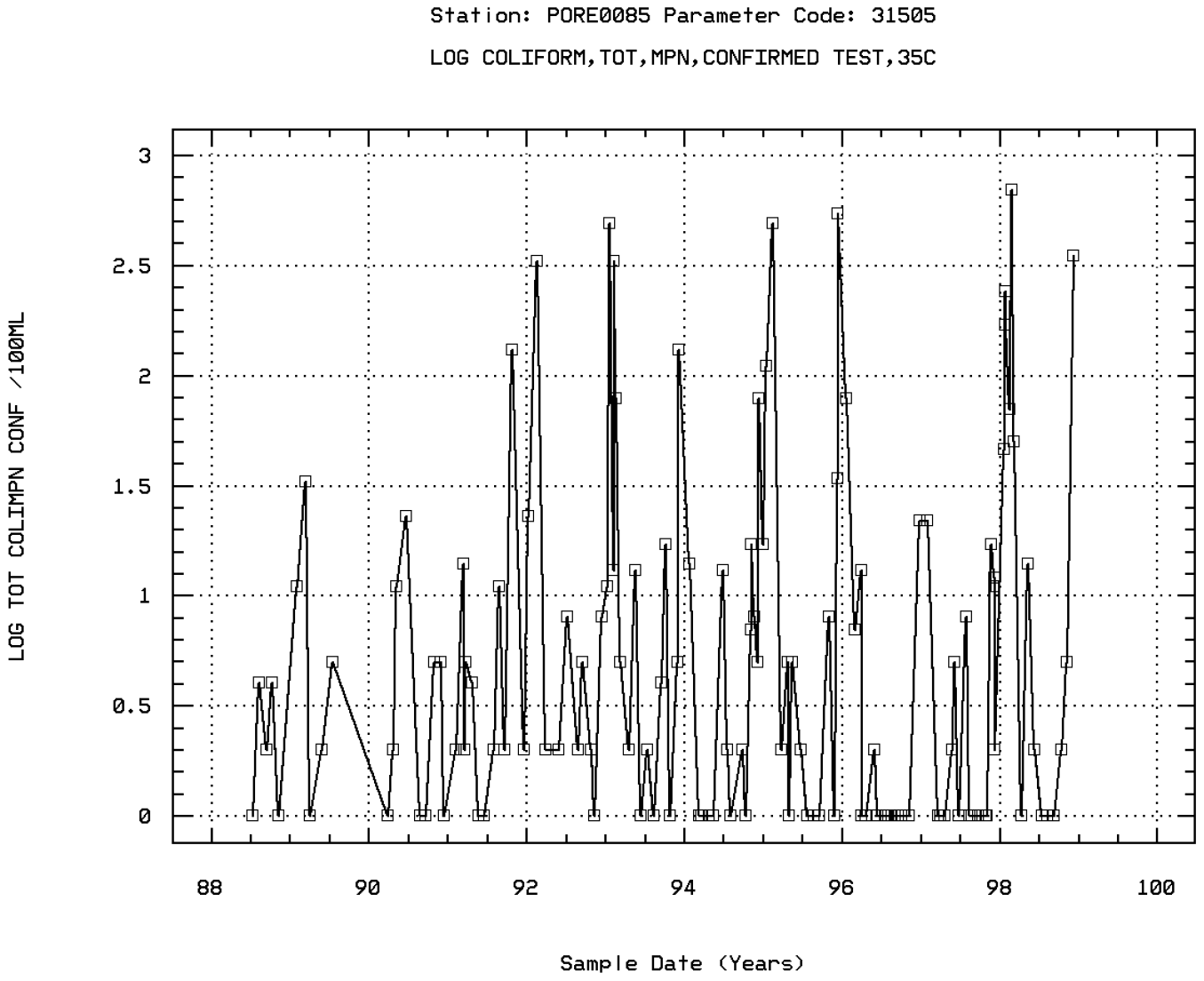
EPA Water Quality Criteria Analysis for Station: PORE0085

				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	135	0	0.00	53	0	0.00	37	0	0.00	45	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	136	4	0.03	53	0	0.00	38	2	0.05	45	2	0.04			

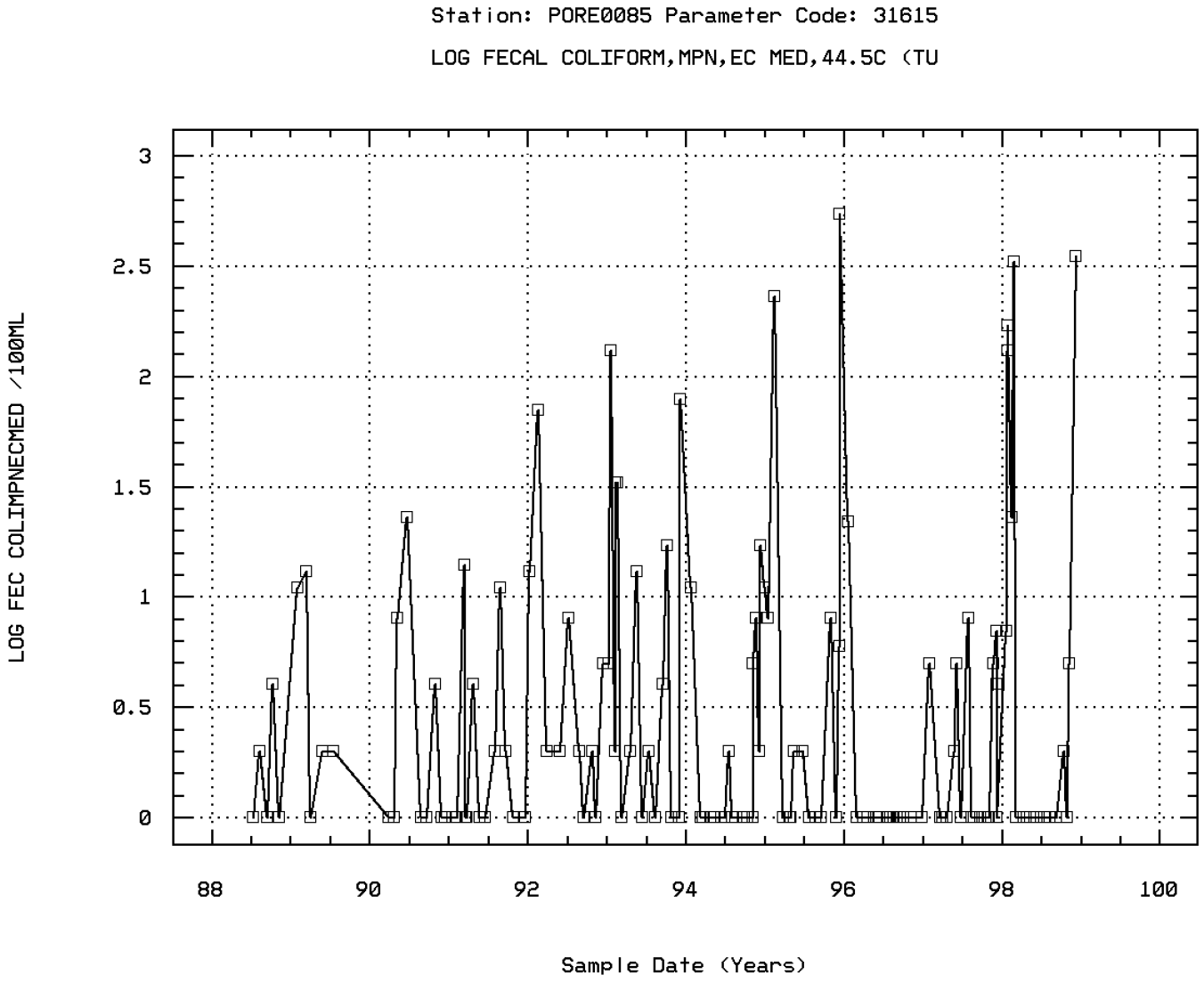
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



DRAKES ESTERO SAMPLING SITE #4



DRAKES ESTERO SAMPLING SITE #4



DRAKES ESTERO SAMPLING SITE #4

Annual Analysis for 1988 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	5	2.	2.4	4.	1.	2.3	1.517	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	5	0.301	0.301	0.602	0.	0.091	0.301	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	5 ##	1.	1.8	4.	1.	1.7	1.304	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	5 ##	0.	0.181	0.602	0.	0.072	0.269	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.516								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	5	5.	10.4	33.	1.	174.8	13.221	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	5	0.699	0.712	1.519	0.	0.359	0.599	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.152								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	5	2.	5.8	13.	1.	32.7	5.718	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	5	0.301	0.551	1.114	0.	0.246	0.496	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.56								

** - 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 1990 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	5	14.	14.1	21.	10.	19.55	4.422	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	5	30.5	30.8	31.5	30.5	0.2	0.447	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	9	2.	5.556	23.	1.	53.778	7.333	1.	1.	8.	23.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	9	0.301	0.456	1.362	0.	0.267	0.517	0.	0.	0.87	1.362
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.856								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	9 ##	1.	4.556	23.	1.	53.528	7.316	1.	1.	6.	23.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	9 ##	0.	0.319	1.362	0.	0.265	0.515	0.	0.	0.753	1.362
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.082								

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

Annual Analysis for 1991 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	6	14.	13.833	18.	10.	9.367	3.061	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	6	29.5	29.417	30.	28.5	0.342	0.585	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	12	2.	14.667	130.	1.	1336.242	36.555	1.	2.	9.5	95.2
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	12	0.301	0.592	2.114	0.	0.36	0.6	0.	0.301	0.956	1.824
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.911								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	12 ##	1.	3.333	14.	1.	19.515	4.418	1.	1.	3.5	13.1
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	12 ##	0.	0.283	1.146	0.	0.18	0.425	0.	0.	0.527	1.115
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.917								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	8	15.	14.688	17.	10.	5.067	2.251	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	8	29.	28.188	30.	23.	4.71	2.17	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	10	3.5	38.3	330.	1.	10547.789	102.702	1.1	2.	11.75	299.3
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	10	0.5	0.759	2.519	0.	0.547	0.739	0.03	0.301	1.018	2.403
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.741								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	10	2.	10.6	70.	1.	450.267	21.219	1.	1.75	9.25	64.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	10	0.301	0.577	1.845	0.	0.332	0.576	0.	0.226	0.956	1.772
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.772								

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

Annual Analysis for 1993 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	15	15.	15.673	28.	7.5	25.909	5.09	10.2	13.	16.	26.8
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	15	29.7	27.46	33.8	12.8	39.534	6.288	12.92	26.8	30.8	33.02
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	16	8.	69.	490.	1.	19786.	140.663	1.	2.	63.5	378.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	16	0.87	1.02	2.69	0.	0.773	0.879	0.	0.301	1.731	2.57
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10.474								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16	3.	20.313	130.	1.	1282.229	35.808	1.	1.	29.	94.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16	0.452	0.725	2.114	0.	0.544	0.737	0.	0.	1.446	1.963
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.307								

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

Annual Analysis for 1994 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	14	13.75	13.471	18.	9.	6.444	2.538	9.5	11.725	15.5	17.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	14	32.	32.493	35.	30.	1.855	1.362	30.75	31.5	33.625	34.75
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	15	2.	10.2	79.	1.	391.886	19.796	1.	1.	13.	41.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	15	0.301	0.562	1.898	0.	0.366	0.605	0.	0.	1.114	1.497
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.652								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	15 ##	1.	3.6	17.	1.	22.971	4.793	1.	1.	5.	13.4
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	15 ##	0.	0.298	1.23	0.	0.196	0.443	0.	0.	0.699	1.117
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.988								

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

Annual Analysis for 1995 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	11	13.5	13.909	21.	9.	12.841	3.583	9.4	11.	15.	20.6
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	11	30.	29.182	33.	22.5	9.264	3.044	23.1	27.5	31.	32.8
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	15	5.	81.2	540.	1.	31890.743	178.58	1.	1.	34.	510.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	15	0.699	0.875	2.732	0.	0.944	0.971	0.	0.	1.531	2.707
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7.504								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	15	2.	54.267	540.	1.	21473.352	146.538	1.	1.	8.	354.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	15	0.301	0.621	2.732	0.	0.768	0.876	0.	0.	0.903	2.51
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.183								

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

Annual Analysis for 1996 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	16	17.	15.531	19.5	11.	9.549	3.09	11.	12.25	18.	19.5
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	16	28.5	27.625	32.	20.	10.917	3.304	22.1	26.	30.	31.3
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	16 ##	1.	8.375	79.	1.	389.05	19.724	1.	1.	5.75	39.1
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	16 ##	0.	0.344	1.898	0.	0.371	0.609	0.	0.	0.709	1.509
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.207								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16 ##	1.	2.313	22.	1.	27.563	5.25	1.	1.	1.	7.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16 ##	0.	0.084	1.342	0.	0.113	0.336	0.	0.	0.	0.403
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.213								

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

Annual Analysis for 1997 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	13	17.5	16.885	23.	11.	15.548	3.943	11.	13.75	20.	22.6
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	13	33.	31.538	37.	15.	29.103	5.395	21.	31.	34.	36.6
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	17 ##	1.	5.176	22.	1.	43.029	6.56	1.	1.	9.5	18.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	17 ##	0.	0.406	1.342	0.	0.266	0.516	0.	0.	0.972	1.253
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.545								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	17 ##	1.	2.706	8.	1.	5.846	2.418	1.	1.	5.	7.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	17 ##	0.	0.279	0.903	0.	0.133	0.364	0.	0.	0.699	0.857
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.902								

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

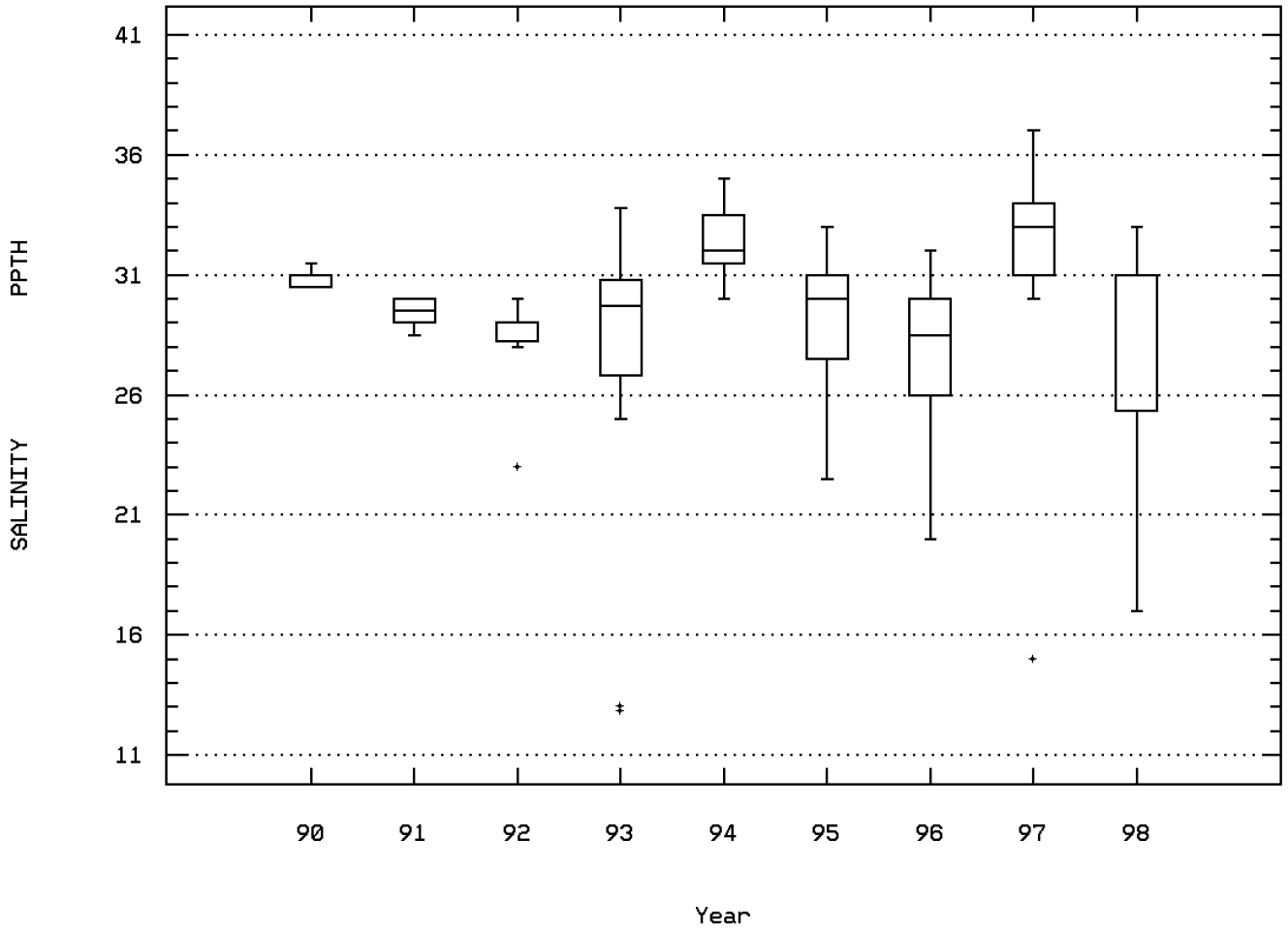
Annual Analysis for 1998 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	14	14.2	13.864	17.	9.	4.616	2.149	10.	12.875	15.125	17.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	16	31.	28.313	33.	17.	19.713	4.44	21.13	25.025	31.	32.58
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	15	14.	110.2	700.	1.	37613.457	193.942	1.	1.	170.	490.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	15	1.146	1.177	2.845	0.	1.105	1.051	0.	0.	2.23	2.664
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			15.029								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16 ##	1.5	64.063	350.	1.	14143.396	118.926	1.	1.	103.25	336.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16 ##	0.151	0.788	2.544	0.	1.031	1.015	0.	0.	1.926	2.526
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.143								

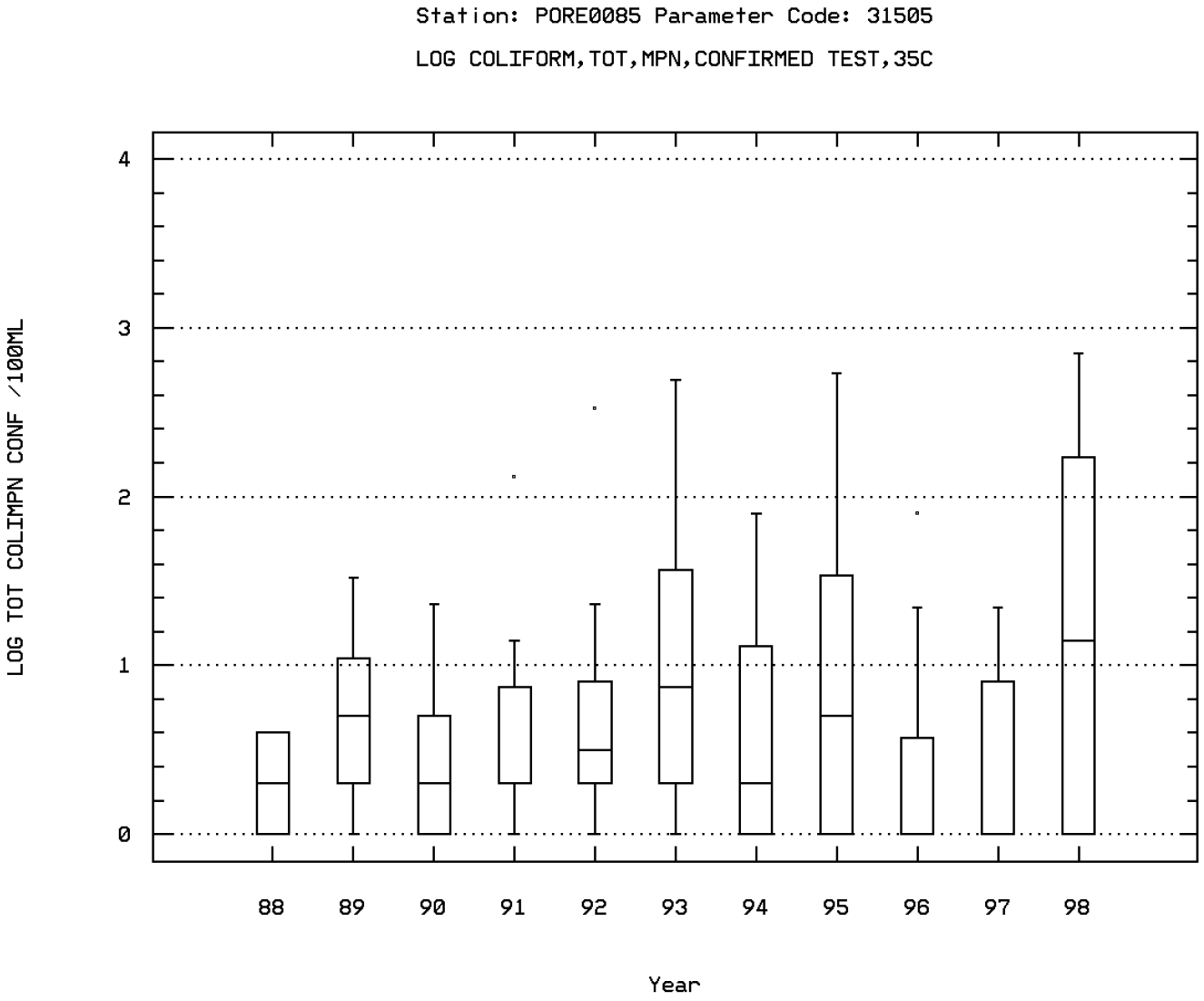
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0085 Parameter Code: 00480

SALINITY - PARTS PER THOUSAND



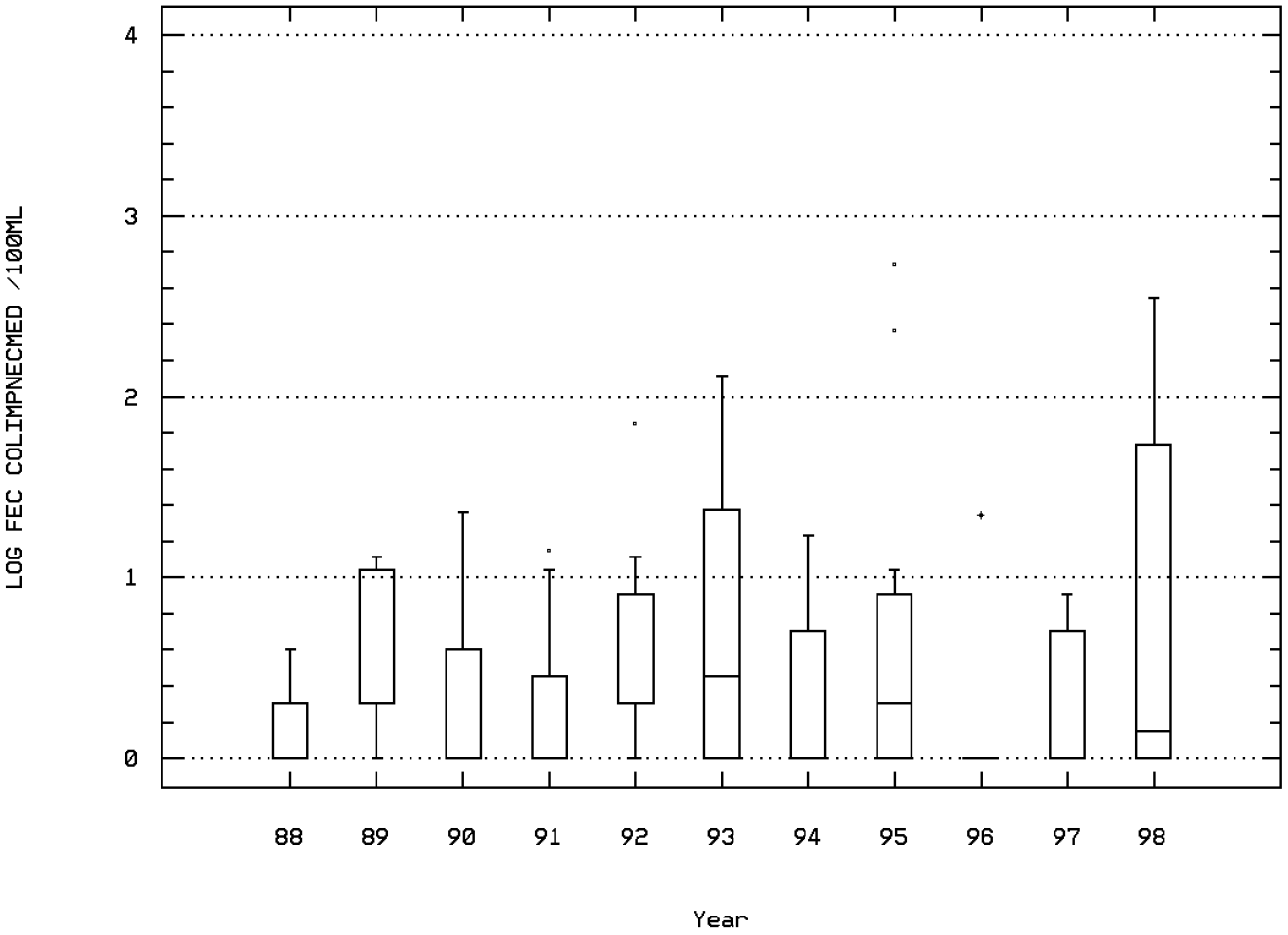
DRAKES ESTERO SAMPLING SITE #4



DRAKES ESTERO SAMPLING SITE #4

Station: PORE0085 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



DRAKES ESTERO SAMPLING SITE #4

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	41	17.	16.929	23.	13.	6.148	2.48	13.84	15.	18.	21.
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	43	30.5	30.67	37.	23.	7.427	2.725	27.7	29.	32.5	34.3
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	53 ##	1.	3.283	23.	1.	20.091	4.482	1.	1.	3.	9.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	53 ##	0.	0.294	1.362	0.	0.151	0.388	0.	0.	0.452	0.986
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.968								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	53 ##	1.	2.755	23.	1.	18.381	4.287	1.	1.	2.	8.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	53 ##	0.	0.216	1.362	0.	0.13	0.361	0.	0.	0.301	0.903
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.646								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	29	11.8	12.417	19.	7.5	7.956	2.821	9.	10.	15.	16.
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	28	31.	30.493	34.	20.	6.308	2.512	28.45	29.625	31.8	33.05
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	37	5.	39.73	540.	1.	11099.092	105.352	1.	1.5	17.	130.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	37	0.699	0.847	2.732	0.	0.559	0.748	0.	0.151	1.23	2.114
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7.034								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	38	2.	28.921	540.	1.	10528.399	102.608	1.	1.	6.25	23.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	38	0.301	0.531	2.732	0.	0.47	0.686	0.	0.	0.795	1.297
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.399								

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

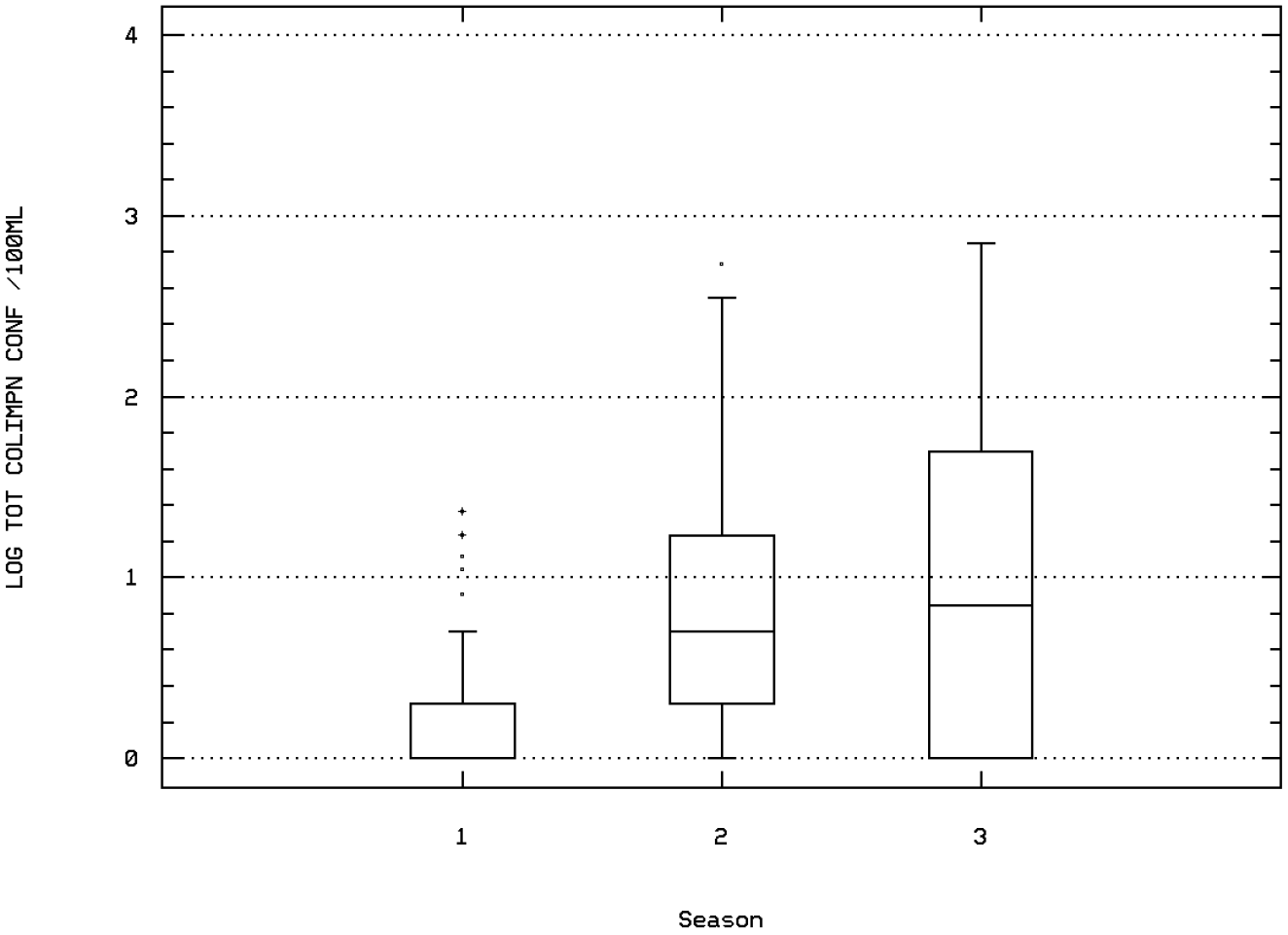
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	32	13.5	14.238	28.	11.	13.749	3.708	11.	12.125	15.	16.7
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	33	28.	26.552	33.8	12.8	31.339	5.598	15.8	23.5	30.75	32.6
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	45	7.	75.089	700.	1.	24040.674	155.051	1.	1.	60.	330.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	45	0.845	0.997	2.845	0.	0.849	0.921	0.	0.	1.772	2.519
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.937								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	45 ##	1.	28.467	330.	1.	4476.936	66.91	1.	1.	13.5	130.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	45 ##	0.	0.625	2.519	0.	0.639	0.799	0.	0.	1.13	2.114
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.217								

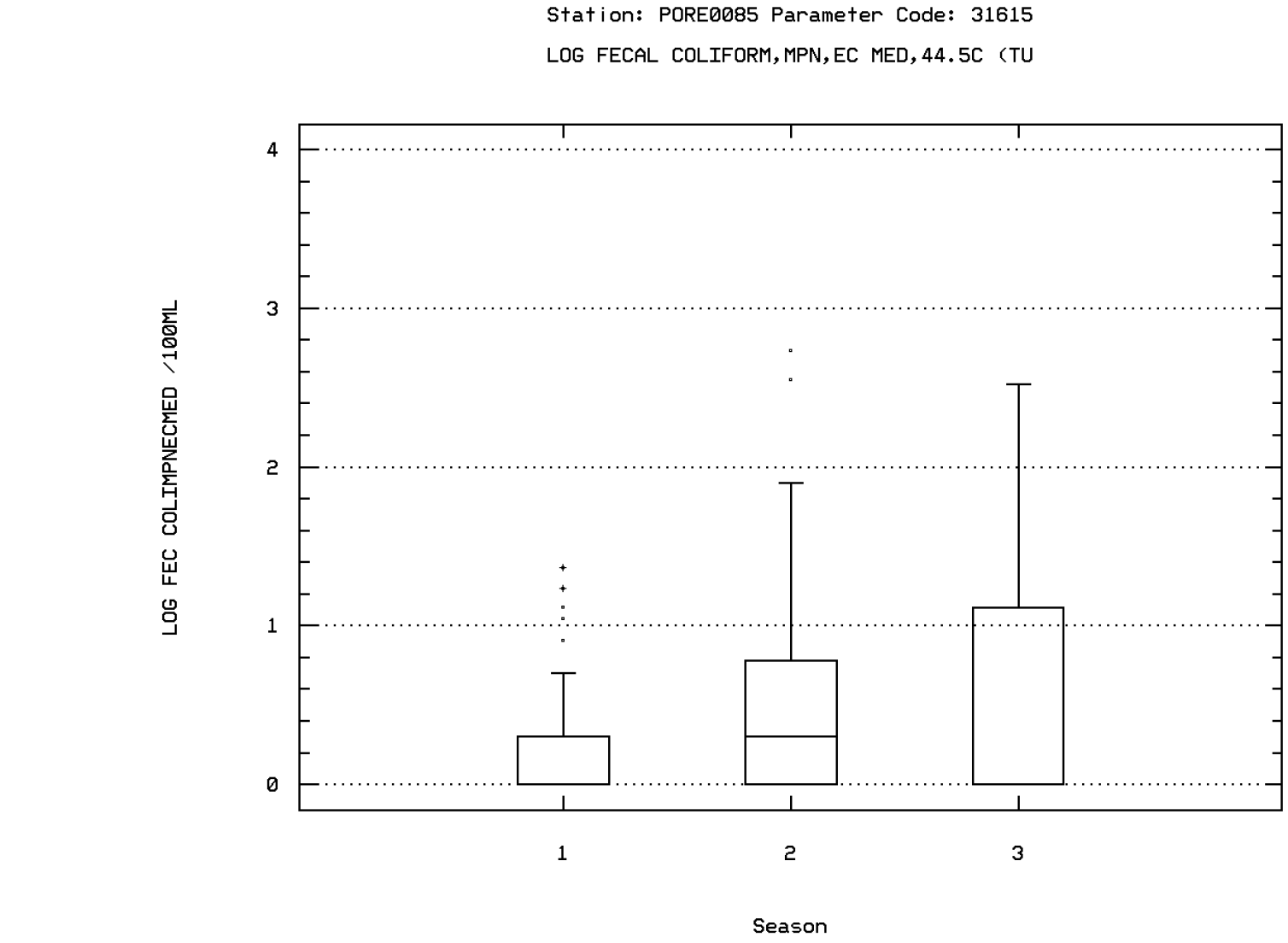
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0085 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



DRAKES ESTERO SAMPLING SITE #4



DRAKES ESTERO SAMPLING SITE #4

Station Inventory for Station: PORE0086

NPS Station ID: PORE0086 | LAT/LON: 38.049059/-122.868255 | Agency: 11NPSWRD | Date Created: 05/31/99
Location: BAYVIEW CREEK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_ANIMA_B1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 80 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE IVERNESS; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT BAYVIEW CREEK ADJACENT TO THE GRAVEL BAR APPROXIMATELY 15 METERS UPSTREAM FROM THE CULVERT ON THE MUDDY HOLLOW-HOME RANCH ROAD. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-09/29/88	17	12.3	12.424	14.8	10.2	1.309	1.144	11.16	11.75	13.1	14.56
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-09/29/88	17	349.	361.588	467.	274.	3382.757	58.161	283.6	325.5	402.	460.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-09/29/88	17	13.	64.647	399.	1.	11831.118	108.771	1.8	3.5	84.	279.
00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-06/09/88	14	0.75	1.323	3.85	0.36	1.465	1.21	0.375	0.39	2.335	3.515
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-06/09/88	15	0.192	0.552	2.716	0.031	0.652	0.807	0.033	0.044	0.531	2.229
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	15	0.48	0.721	2.65	0.31	0.36	0.6	0.328	0.36	0.81	1.744
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	15	0.16	0.167	0.32	0.06	0.006	0.075	0.066	0.11	0.19	0.308
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-09/29/88	17	0.28	0.531	2.47	0.12	0.324	0.569	0.16	0.205	0.72	1.238
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-06/09/88	13	0.068	0.212	0.778	0.019	0.071	0.267	0.02	0.03	0.343	0.746
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-06/09/88	15	0.027	0.031	0.063	0.017	0.	0.014	0.018	0.023	0.035	0.061
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-06/09/88	13	0.043	0.181	0.719	0.	0.066	0.257	0.001	0.008	0.295	0.699
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-09/29/88	17	0.012	0.013	0.022	0.004	0.	0.005	0.006	0.009	0.016	0.019
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-06/09/88	15	0.017	0.019	0.048	0.008	0.	0.012	0.009	0.009	0.02	0.047
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-06/09/88	15	2.868	7.959	39.684	0.324	136.025	11.663	0.389	0.559	7.992	31.901
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-09/29/88	16	24.	23.913	26.	20.9	1.256	1.121	22.02	23.65	24.5	25.16
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-09/29/88	17	0.298	0.551	2.484	0.129	0.321	0.566	0.17	0.249	0.732	1.262
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-09/29/88	16	0.02	0.024	0.06	0.01	0.	0.015	0.01	0.013	0.03	0.06
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-09/29/88	17	0.009	0.012	0.03	0.005	0.	0.007	0.006	0.007	0.02	0.022

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

EPA Water Quality Criteria Analysis for Station: PORE0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	3	0	0.00	11	0	0.00	3	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	17	0	0.00	3	0	0.00	11	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: PORE0087

NPS Station ID: PORE0087
LAT/LON: 38.049059/-122.868310
Agency: 11NPSWRD
Date Created: 07/24/99
Location: MUDDY HOLLOW CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_MUDD
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT MUDDY HOLLOW CREEK INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/01/64-07/31/64	2	55.5	55.5	56.	55.	0.5	0.707	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	6	12.	39.	125.	0.	2860.	53.479	**	**	**	**

** - Less than 9 observations ## - 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: PORE0088

NPS Station ID: PORE0088 | LAT/LON: 38.049392/-122.942893 | Agency: 11NPSWRD | Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #14 | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_CADHS_DE14
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE FOURTEEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-10/27/98	45	13.	13.669	23.	9.	6.408	2.531	11.3	12.	15.	17.
00480	SALINITY - PARTS PER THOUSAND	03/10/94-10/27/98	44	30.5	29.202	35.	18.	15.106	3.887	24.	26.25	32.	33.75
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/10/94-02/24/98	48	5.	116.563	2400.	1.	140094.677	374.292	1.	1.	21.5	369.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/10/94-02/24/98	48	0.699	0.877	3.38	0.	0.918	0.958	0.	0.	1.329	2.563
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7.542								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	49	2.	57.	2400.	1.	117182.167	342.319	1.	1.	5.	33.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	49	0.301	0.464	3.38	0.	0.467	0.683	0.	0.	0.699	1.519
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.912								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	12 ##	1.5	15.667	130.	1.	1384.606	37.21	1.	1.	10.25	100.9

** - 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: PORE0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	48	1	0.02	11	0	0.00	19	1	0.05	18	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	49	1	0.02	11	0	0.00	20	1	0.05	18	0	0.00			

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

Annual Analysis for 1994 - Station PORE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/10/94-02/24/98	13	2.	3.923	11.	1.	13.077	3.616	1.	1.	7.5	10.2
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/10/94-02/24/98	13	0.301	0.411	1.041	0.	0.174	0.417	0.	0.	0.874	1.007
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.578								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	13	2.	2.308	7.	1.	3.564	1.888	1.	1.	3.	6.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	13	0.301	0.258	0.845	0.	0.089	0.298	0.	0.	0.452	0.787
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.81								

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

Annual Analysis for 1995 - Station PORE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/10/94-02/24/98	10	5.	280.7	2400.	1.	560167.567	748.443	1.	1.75	130.5	2184.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/10/94-02/24/98	10	0.699	1.186	3.38	0.	1.274	1.129	0.	0.226	2.075	3.28
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			15.36								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	10 ##	1.5	246.5	2400.	1.	572758.722	756.808	1.	1.	16.	2164.9
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	10 ##	0.151	0.667	3.38	0.	1.197	1.094	0.	0.	0.947	3.211
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.648								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/10/94-02/24/98	13	7.	78.154	540.	1.	24052.641	155.089	1.	1.	94.5	420.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/10/94-02/24/98	13	0.845	1.029	2.732	0.	0.932	0.965	0.	0.	1.97	2.592
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10.682								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	13	2.	6.154	49.	1.	170.308	13.05	1.	1.	5.	32.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	13	0.301	0.4	1.69	0.	0.245	0.495	0.	0.	0.699	1.375
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.51								

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

Annual Analysis for 1997 - Station PORE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/10/94-02/24/98	9	2.	62.	540.	1.	32133.25	179.257	1.	1.	5.	540.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/10/94-02/24/98	9	0.301	0.526	2.732	0.	0.767	0.876	0.	0.	0.699	2.732
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.356								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	9 ##	1.	3.	17.	1.	27.75	5.268	1.	1.	2.	17.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	9 ##	0.	0.204	1.23	0.	0.165	0.407	0.	0.	0.301	1.23
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.598								

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

Annual Analysis for 1998 - Station PORE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/10/94-02/24/98	3	350.	387.667	790.	23.	148136.333	384.885	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/10/94-02/24/98	3	2.544	2.268	2.898	1.362	0.647	0.804	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			185.271								

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

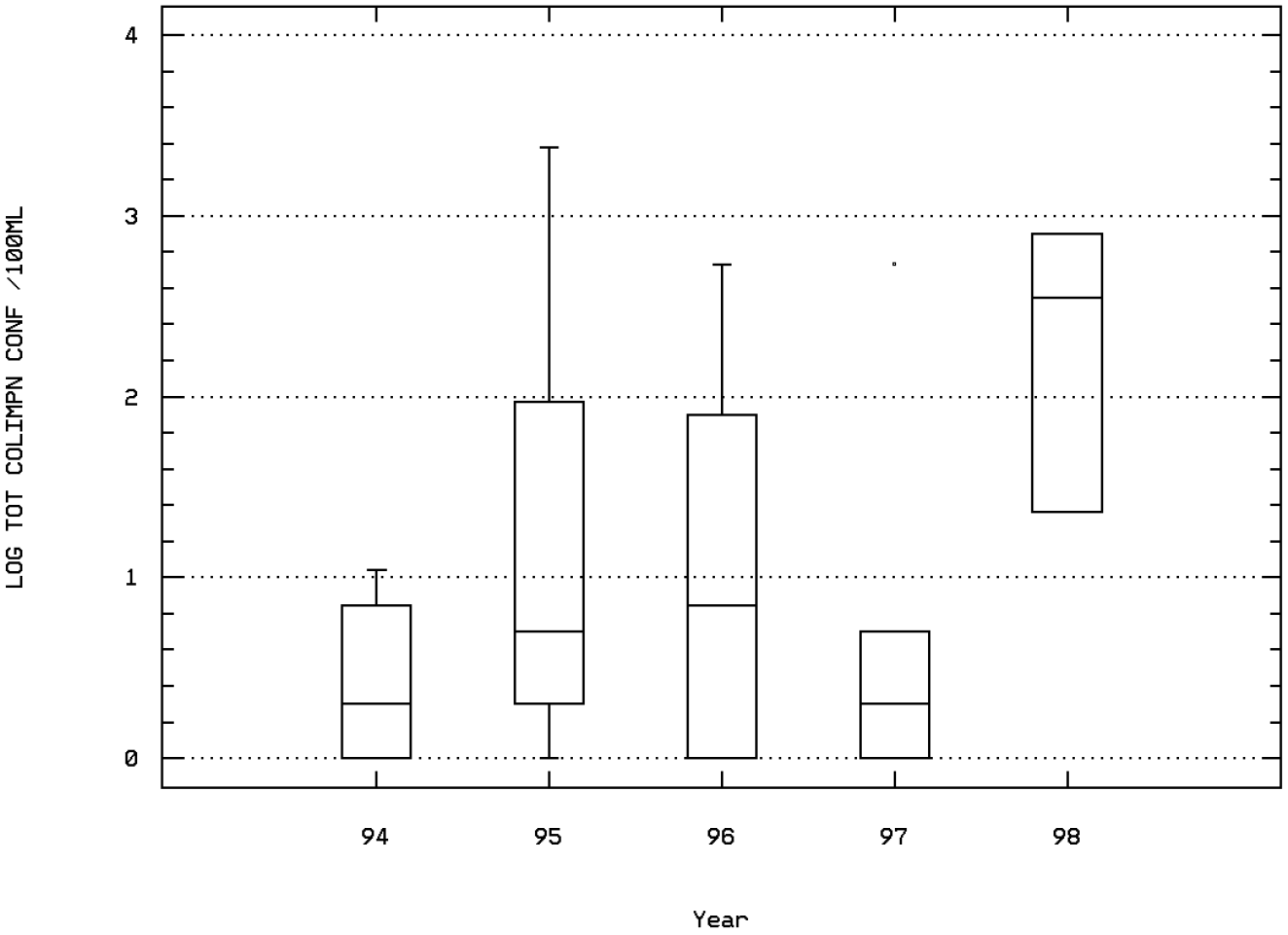
Annual Analysis for 1998 - Station PORE0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	4	28.	47.75	130.	5.	3140.917	56.044	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/10/94-10/27/98	4	1.44	1.423	2.114	0.699	0.338	0.582	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			26.503								

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

Station: PORE0088 Parameter Code: 31505

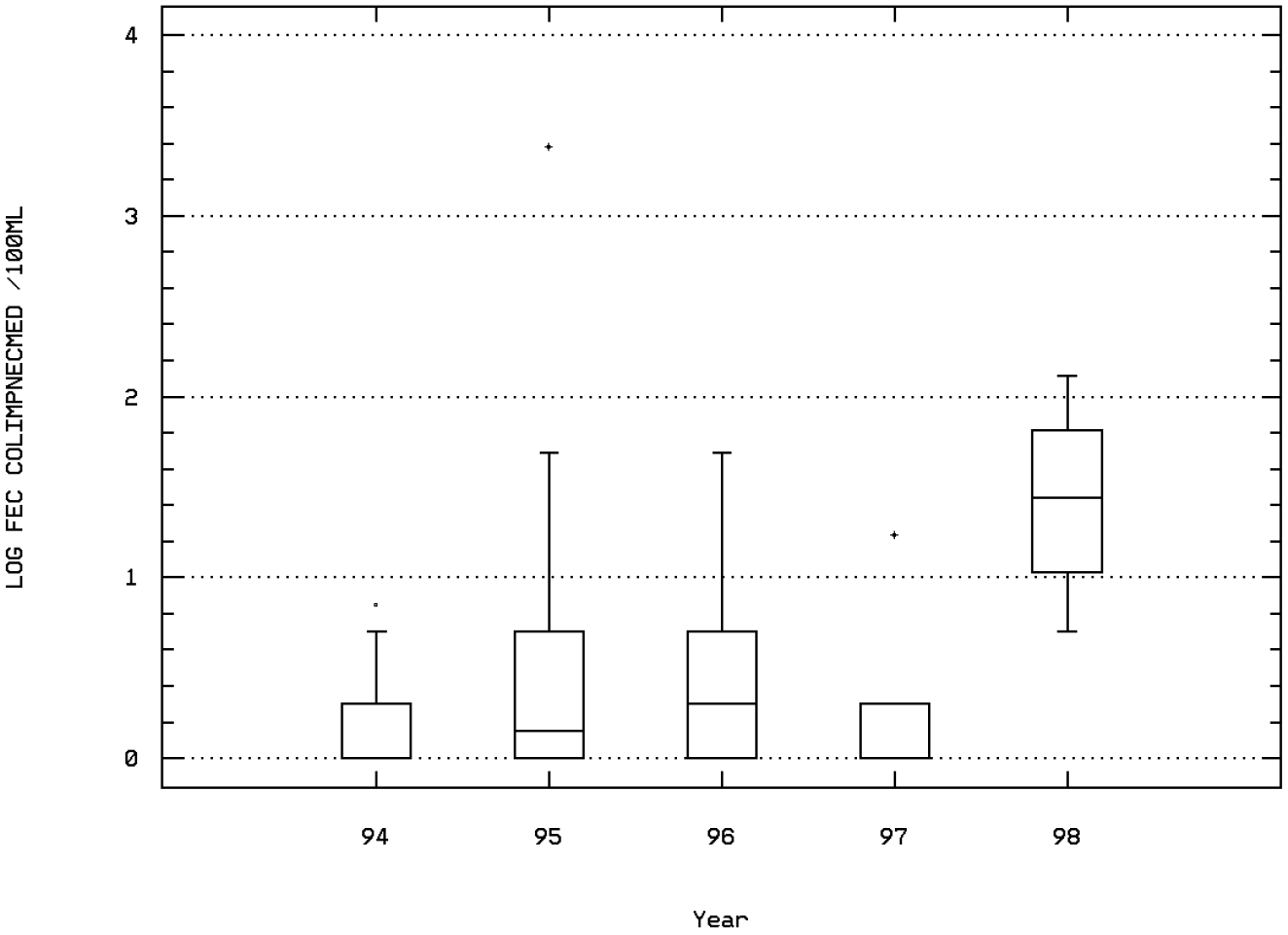
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



DRAKES ESTERO SAMPLING SITE #14

Station: PORE0088 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



DRAKES ESTERO SAMPLING SITE #14

Station Inventory for Station: PORE0089

NPS Station ID: PORE0089 LAT/LON: 38.050559/-122.758893 Agency: 21CAL-1 Date Created: 12/22/79
Location: LAGUINTAS CREEK AT SIR FRANCIS DRAKE ROAD FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): E1125001 /2011311
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005004 RF1 Mile Point: 1.830 Distance from RF1: 16.50 On/Off RF1: OFF
RF3 Index: 18050005002300.00 RF3 Mile Point: 1.84 Distance from RF3: 0.03 On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 180 ;
STATION NAME: LAGUINTAS C A SIR FRANCIS DRAKE R; DWR COUNTY CODE: 21; LATITUDE: 380302; LONGITUDE: 1224532;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 02N, RANGE 08, SECTION 04EBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0089

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0090

NPS Station ID: PORE0090
LAT/LON: 38.050559/-122.758893
Agency: 21CAL-4
Date Created: 06/28/80
Location: LAGUINTAS C A SIR FRANCIS DRAKE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1125001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005004
RF1 Mile Point: 1.830
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005000302.29
RF3 Mile Point: 2.40
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	9.15	9.15	10.	8.3	1.445	1.202	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	49.	50.333	53.	49.	5.333	2.309	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	60.	96.667	200.	30.	8233.333	90.738	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	290.	282.8	362.	138.	8261.7	90.894	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	9.8	9.66	10.	9.2	0.148	0.385	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.32	7.5	7.1	0.022	0.148	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.299	7.5	7.1	0.023	0.15	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.05	0.05	0.079	0.032	0.	0.018	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.08	0.077	0.13	0.02	0.003	0.055	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	2400.	6558.	24000.	490.	96243320.	9810.368	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.38	3.475	4.38	2.69	0.365	0.604	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2985.242								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	1600.	2766.	9200.	130.	13303280.	3647.366	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	3.204	3.12	3.964	2.114	0.435	0.659	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1318.205								

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

EPA Water Quality Criteria Analysis for Station: PORE0090

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------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				3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	4	0.80				3	3	1.00	2	1	0.50			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	4	0.80				3	3	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: PORE0091

NPS Station ID: PORE0091
LAT/LON: 38.050559/-122.868338
Agency: 11NPSWRD
Date Created: 08/14/99
Location: MUDDY HOLLOW
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_MMWD_DES4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE MUDDY HOLLOW SITE IS AT A STREAM NEAR MUDDY HOLLOW AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	1	987.	987.	987.	987.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-04/16/97	1	2.994	2.994	2.994	2.994	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			987.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	1	6.	6.	6.	6.	0.	0.	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	10.	10.	10.	10.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	3.	3.	3.	3.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00												
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0092

NPS Station ID: PORE0092
LAT/LON: 38.051837/-122.956337
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #12
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE12
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE TWELVE IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/09/93-10/27/98	19	12.	14.	29.	7.5	28.216	5.312	9.	11.	17.5	22.5
00480	SALINITY - PARTS PER THOUSAND	02/09/93-10/27/98	17	30.	28.359	33.9	12.	41.108	6.412	13.6	26.5	32.65	33.58
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	23	27.	2007.826	16000.	1.	23203229.423	4816.973	1.	5.	790.	13280.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	23	1.431	1.758	4.204	0.	1.792	1.339	0.	0.699	2.898	4.108
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			57.273								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	24	5.	354.333	5400.	1.	1247694.928	1117.003	1.	1.25	109.75	1000.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	24	0.699	1.119	3.732	0.	1.328	1.152	0.	0.075	2.008	2.98
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			13.138								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	12/10/96-10/27/98	6	2.	221.5	1300.	1.	279233.1	528.425	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	23	5	0.22	1	0	0.00	8	3	0.38	14	2	0.14			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	24	5	0.21	1	0	0.00	9	2	0.22	14	3	0.21			

& - 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: 5/15 to 10/09 - Station PORE0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			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: 10/10 to 1/14 - Station PORE0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	9	7.	752.667	5400.	2.	3219142.5	1794.197	2.	2.	666.5	5400.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	9	0.845	1.353	3.732	0.301	1.599	1.265	0.301	0.301	2.316	3.732
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			22.524								

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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	14	5.	123.5	700.	1.	49615.192	222.745	1.	1.	180.	595.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	14	0.699	1.048	2.845	0.	1.226	1.107	0.	0.	2.215	2.768
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.167								

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

Station Inventory for Station: PORE0093

NPS Station ID: PORE0093 | LAT/LON: 38.054004/-122.933588 | Agency: 11NPSWRD | Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #6 | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_CADHS_DE6
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE SIX IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0093

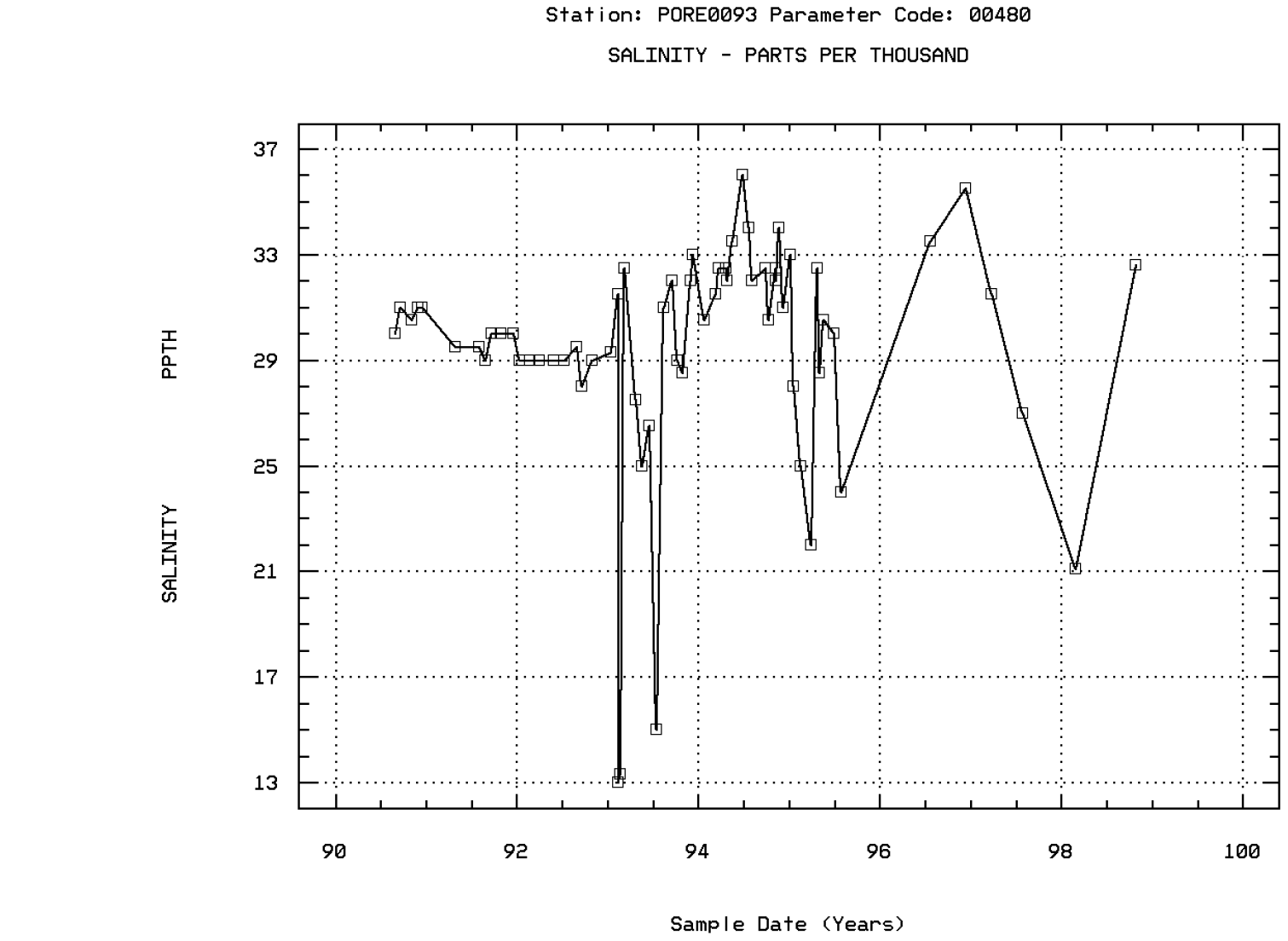
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	65	13.5	14.049	29.	8.3	13.724	3.705	10.5	12.	15.	18.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	64	30.25	29.434	36.	13.	20.137	4.487	24.5	29.	32.	33.25
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	90	2.	20.178	490.	1.	3880.844	62.296	1.	1.	7.25	47.5
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	90	0.301	0.557	2.69	0.	0.458	0.677	0.	0.	0.86	1.674
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.604								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	91 ##	1.	6.198	110.	1.	240.56	15.51	1.	1.	4.	12.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	91 ##	0.	0.343	2.041	0.	0.243	0.493	0.	0.	0.602	1.099
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.205								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	8	2.	5.25	31.	1.	108.5	10.416	**	**	**	**

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

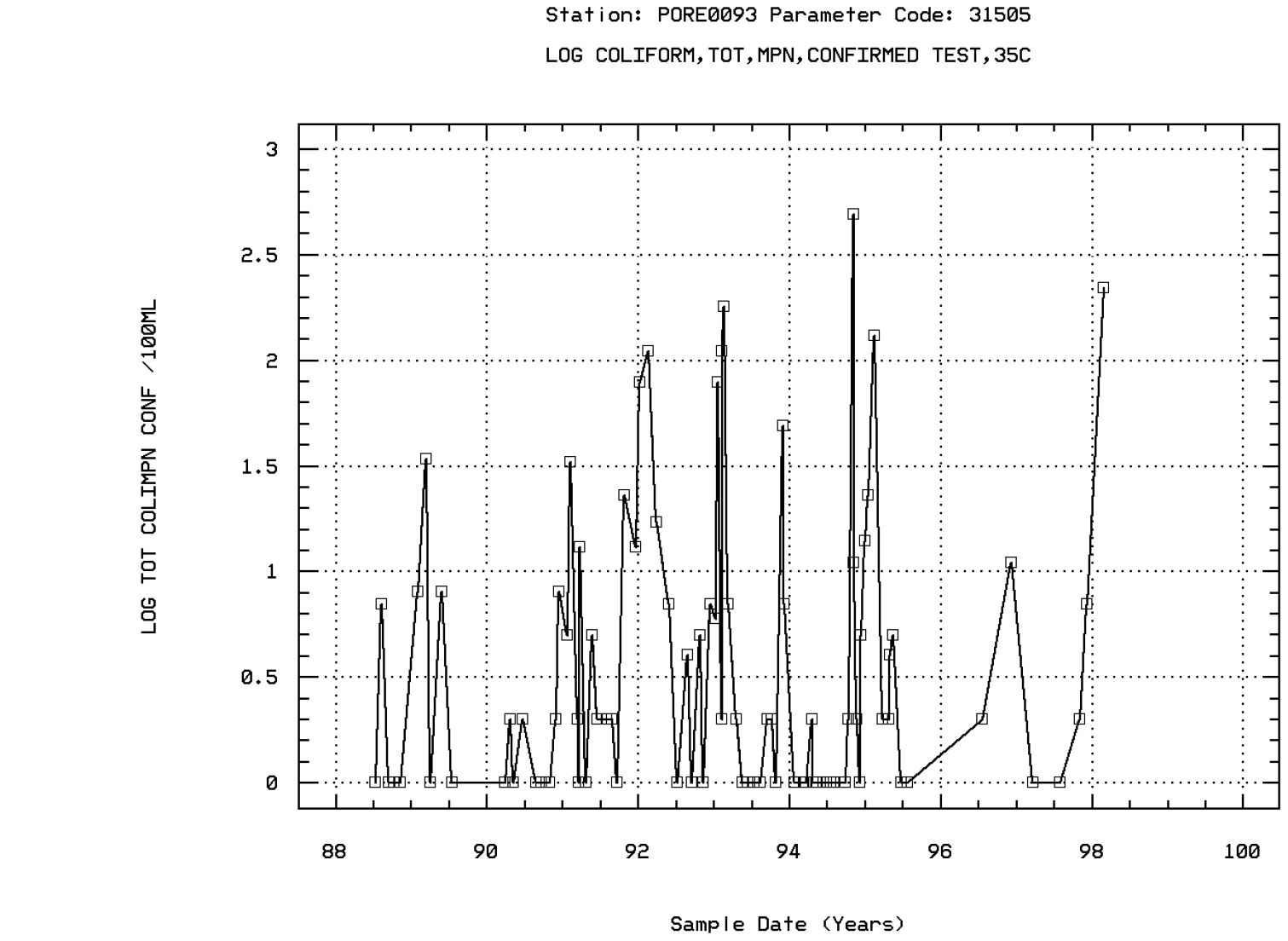
EPA Water Quality Criteria Analysis for Station: PORE0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	90	0	0.00	33	0	0.00	25	0	0.00	32	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	91	0	0.00	33	0	0.00	26	0	0.00	32	0	0.00			

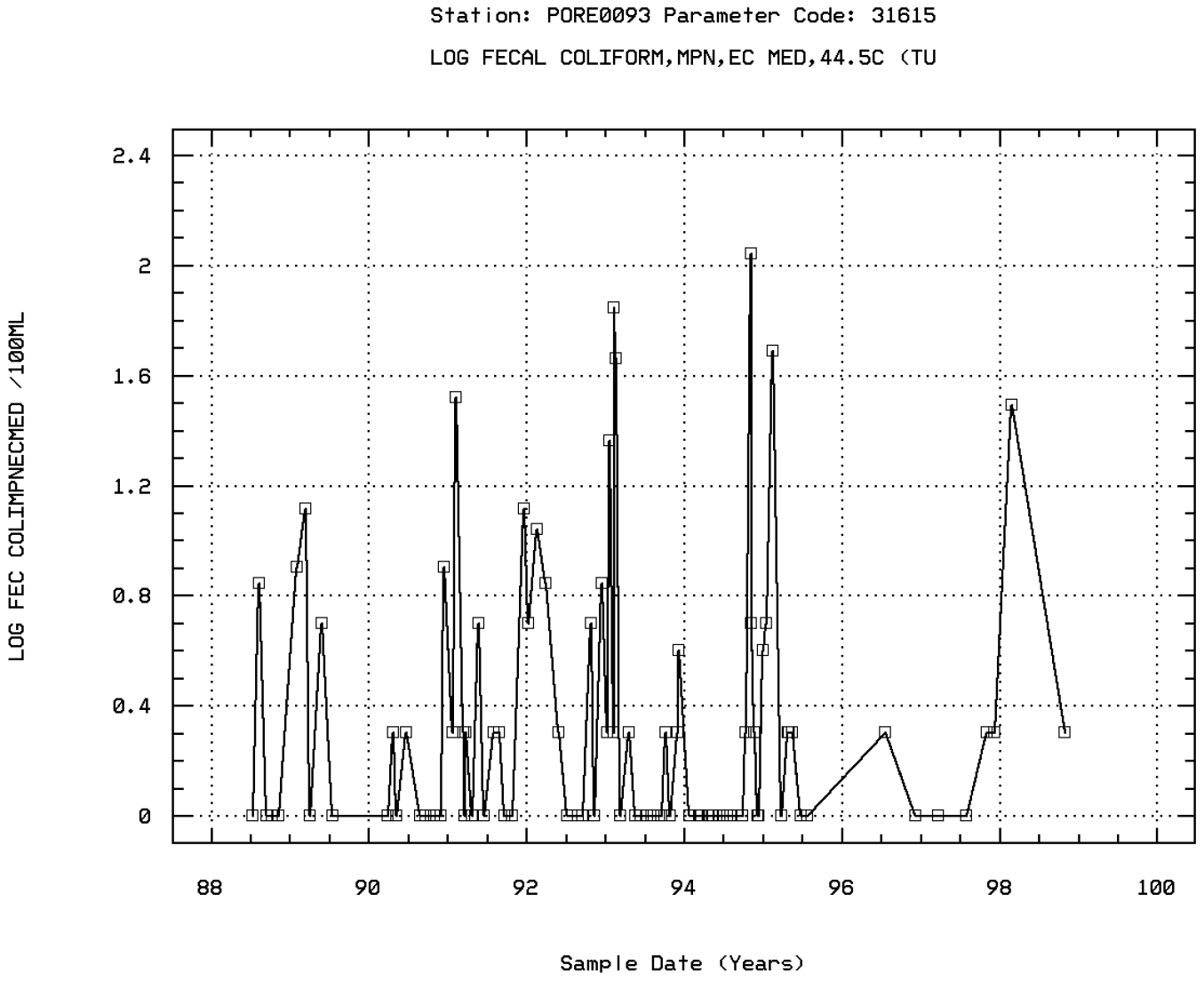
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



DRAKES ESTERO SAMPLING SITE #6



DRAKES ESTERO SAMPLING SITE #6



DRAKES ESTERO SAMPLING SITE #6

Annual Analysis for 1988 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5 ##	1.	2.2	7.	1.	7.2	2.683	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5 ##	0.	0.169	0.845	0.	0.143	0.378	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.476								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	1.	2.2	7.	1.	7.2	2.683	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	0.	0.169	0.845	0.	0.143	0.378	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.476								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5	8.	10.4	34.	1.	186.3	13.649	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5	0.903	0.668	1.531	0.	0.437	0.661	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.651								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5	5.	5.6	13.	1.	25.8	5.079	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5	0.699	0.543	1.114	0.	0.267	0.517	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.493								

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

Annual Analysis for 1990 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9 ##	1.	2.111	8.	1.	5.111	2.261	1.	1.	2.	8.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9 ##	0.	0.201	0.903	0.	0.091	0.301	0.	0.	0.301	0.903
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.587								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	1.	2.	8.	1.	5.25	2.291	1.	1.	2.	8.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	0.	0.167	0.903	0.	0.093	0.305	0.	0.	0.301	0.903
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.47								

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

Annual Analysis for 1991 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	13	2.	7.923	33.	1.	100.744	10.037	1.	1.5	13.	29.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	13	0.301	0.593	1.519	0.	0.284	0.533	0.	0.151	1.114	1.456
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.918								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13	2.	5.077	33.	1.	81.077	9.004	1.	1.	3.5	25.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13	0.301	0.372	1.519	0.	0.224	0.473	0.	0.	0.5	1.357
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.355								

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

Annual Analysis for 1992 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	10	6.	23.2	110.	1.	1487.733	38.571	1.	1.	32.5	106.9
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	10	0.772	0.816	2.041	0.	0.545	0.738	0.	0.	1.397	2.027
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.547								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	3.5	4.1	11.	1.	12.1	3.479	1.	1.	7.	10.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	0.5	0.443	1.041	0.	0.18	0.424	0.	0.	0.845	1.022
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.774								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16	2.	28.188	180.	1.	2705.629	52.016	1.	1.	38.5	131.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16	0.301	0.722	2.255	0.	0.651	0.807	0.	0.	1.479	2.106
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.276								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16	2.	10.	70.	1.	399.2	19.98	1.	1.	3.5	53.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16	0.301	0.436	1.845	0.	0.386	0.622	0.	0.	0.527	1.717
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.729								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16 ##	1.	32.625	490.	1.	14882.517	121.994	1.	1.	2.	154.7
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16 ##	0.	0.333	2.69	0.	0.487	0.698	0.	0.	0.301	1.536
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.155								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	1.	8.188	110.	1.	738.163	27.169	1.	1.	1.75	36.5
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	0.	0.209	2.041	0.	0.276	0.525	0.	0.	0.226	1.102
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.618								

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

Annual Analysis for 1995 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	4.	20.222	130.	1.	1749.444	41.826	1.	1.5	18.5	130.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9	0.602	0.725	2.114	0.	0.492	0.702	0.	0.151	1.254	2.114
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.309								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9	2.	7.444	49.	1.	244.778	15.645	1.	1.	4.5	49.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9	0.301	0.433	1.69	0.	0.287	0.536	0.	0.	0.651	1.69
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.708								

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

Annual Analysis for 1996 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	2	6.5	6.5	11.	2.	40.5	6.364	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	2	0.671	0.671	1.041	0.301	0.274	0.524	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.69								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2 ##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2 ##	0.151	0.151	0.301	0.	0.045	0.213	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.414								

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

Annual Analysis for 1997 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	4 ##	1.5	2.75	7.	1.	8.25	2.872	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	4 ##	0.151	0.287	0.845	0.	0.159	0.399	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.934								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	4 ##	1.5	1.5	2.	1.	0.333	0.577	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	4 ##	0.151	0.151	0.301	0.	0.03	0.174	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.414								

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

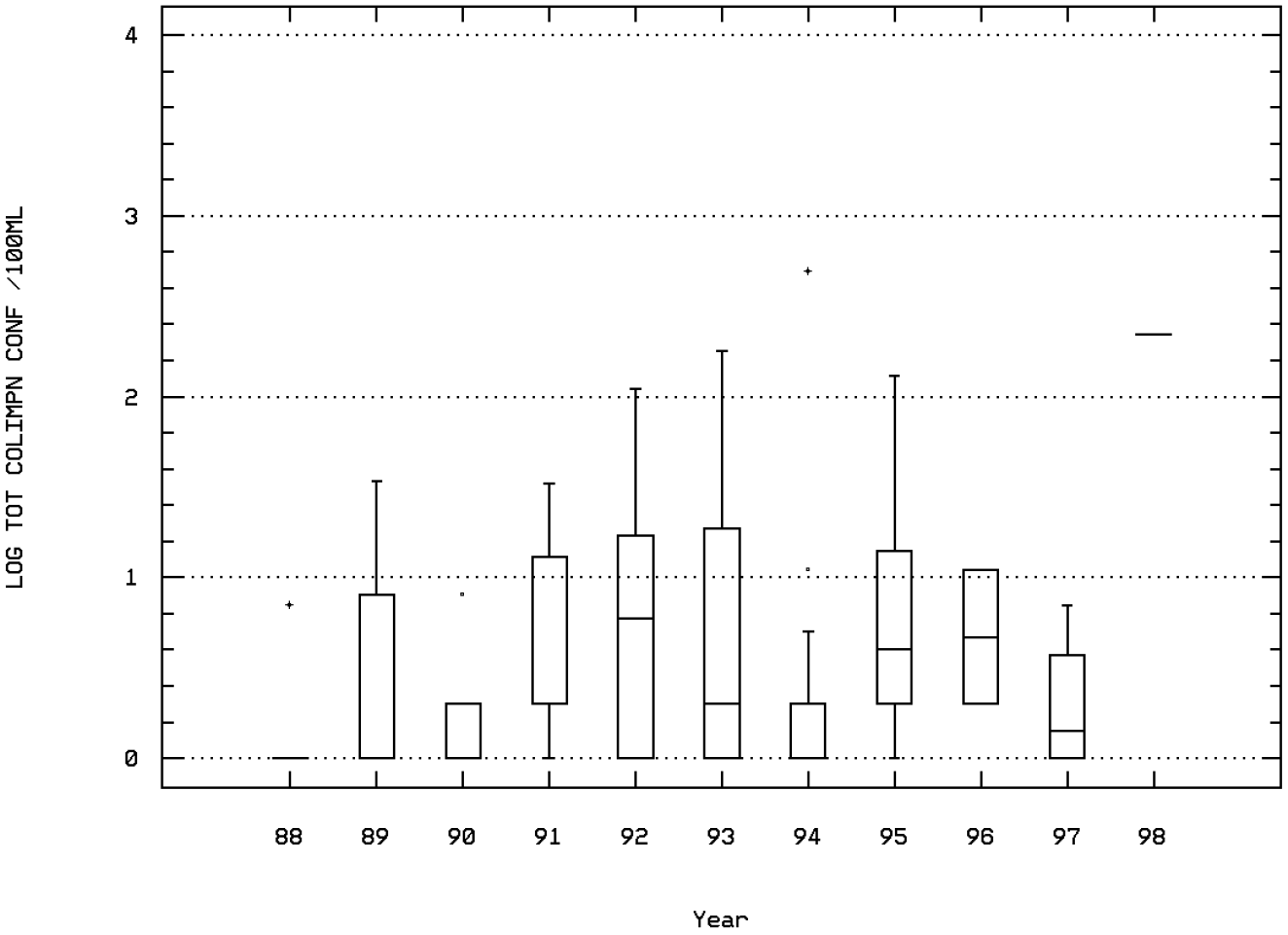
Annual Analysis for 1998 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	1	220.	220.	220.	220.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	1	2.342	2.342	2.342	2.342	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			220.								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2	16.5	16.5	31.	2.	420.5	20.506	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2	0.896	0.896	1.491	0.301	0.708	0.842	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.874								

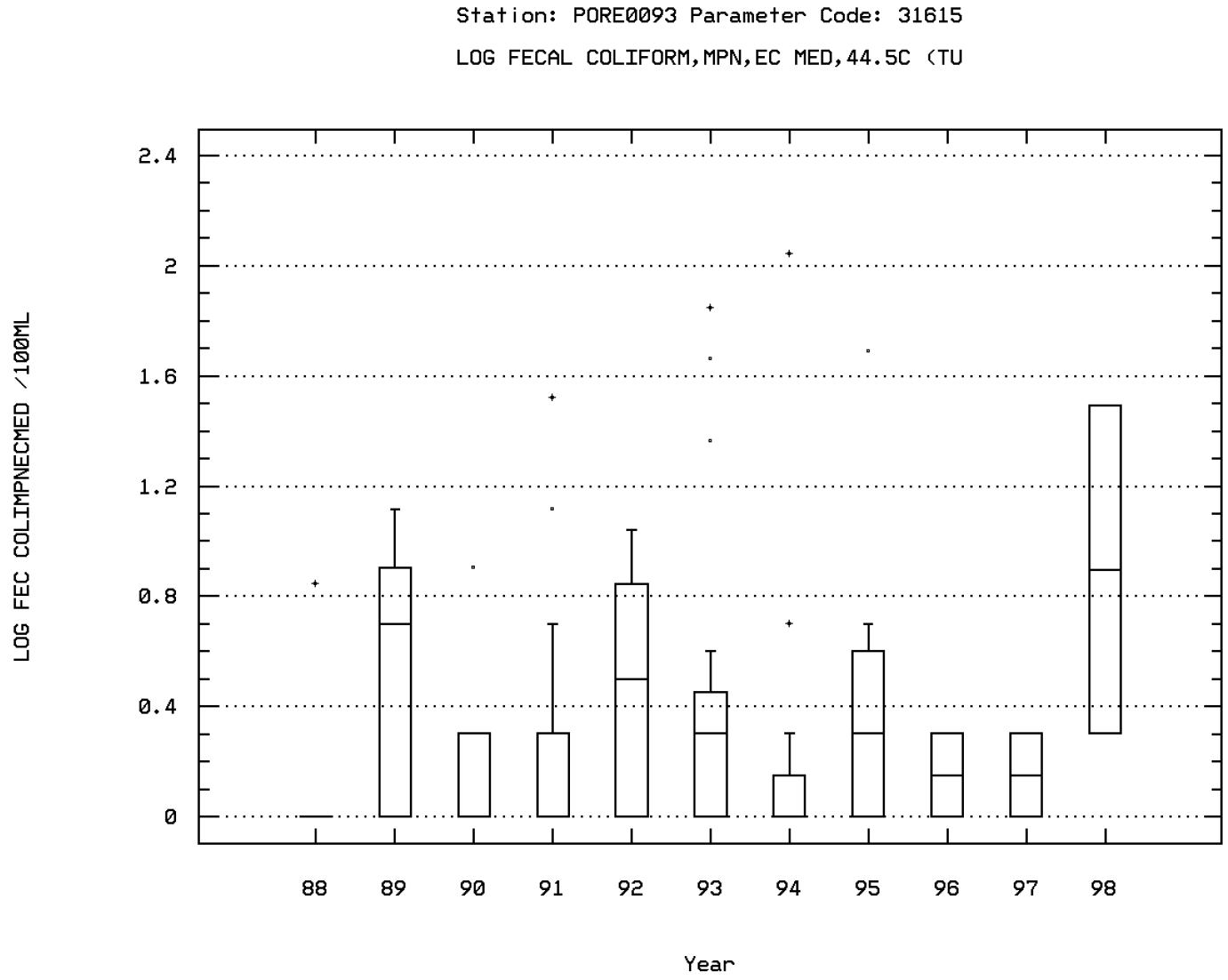
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0093 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



DRAKES ESTERO SAMPLING SITE #6



DRAKES ESTERO SAMPLING SITE #6

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	25	14.	15.452	24.	13.	8.574	2.928	13.	13.5	17.	20.
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	25	30.	29.46	36.	15.	16.728	4.09	24.6	28.5	32.	33.7
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	33 ##	1.	2.121	8.	1.	3.985	1.996	1.	1.	2.	6.2
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	33 ##	0.	0.203	0.903	0.	0.089	0.299	0.	0.	0.301	0.787
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.596								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33 ##	1.	1.636	7.	1.	1.926	1.388	1.	1.	2.	3.8
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33 ##	0.	0.132	0.845	0.	0.055	0.234	0.	0.	0.301	0.54
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.355								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	20	11.85	11.83	16.	8.3	4.645	2.155	9.05	10.5	13.325	15.
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	19	31.	31.284	35.5	28.5	3.454	1.858	29.	30.	32.6	34.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	25	6.	29.96	490.	1.	9489.873	97.416	1.	1.5	12.	61.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	25	0.778	0.752	2.69	0.	0.46	0.678	0.	0.151	1.078	1.773
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.65								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	26	2.	7.115	110.	1.	448.426	21.176	1.	1.	5.	9.5
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	26	0.301	0.397	2.041	0.	0.227	0.476	0.	0.	0.699	0.966
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.492								

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

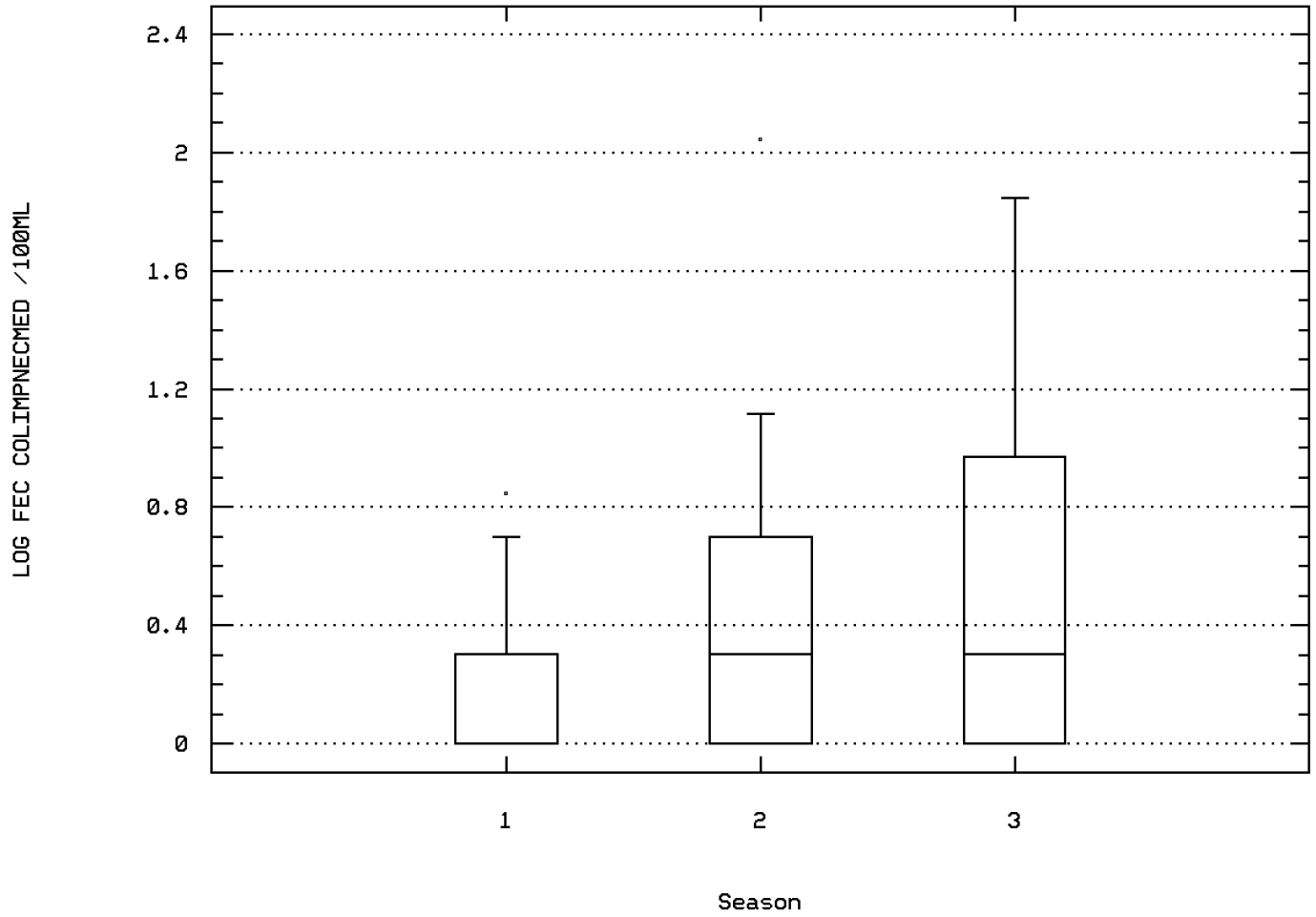
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	20	13.35	14.515	29.	10.	22.751	4.77	11.	11.85	14.825	25.05
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	20	29.25	27.645	32.5	13.	35.575	5.964	14.08	25.625	31.875	32.5
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	32	2.	31.156	220.	1.	3242.007	56.939	1.	1.	30.5	124.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	32	0.301	0.769	2.342	0.	0.656	0.81	0.	0.	1.479	2.092
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.873								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	32	2.	10.156	70.	1.	295.749	17.197	1.	1.	10.25	42.1
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	32	0.301	0.518	1.845	0.	0.383	0.619	0.	0.	1.007	1.619
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.297								

** - Less than 9 observations ## - Computed 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: PORE0093 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



DRAKES ESTERO SAMPLING SITE #6

Station Inventory for Station: PORE0094

NPS Station ID: PORE0094 LAT/LON: 38.055781/-122.887032 Agency: 11NPSWRD Date Created: 05/31/99
Location: GLENBROOK CREEK AT MUDDY HOLLOW-HOME RANCH ROAD FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PORE_ANIMA_G1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 240 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT GLENBROOK CREEK UPSTREAM FROM THE CULVERT ON THE MUDDY HOLLOW-HOME RANCH ROAD. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/87-10/19/87	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/19/87-10/19/87	1	322.	322.	322.	322.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/19/87-10/19/87	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/19/87-10/19/87	1	0.74	0.74	0.74	0.74	0.	0.	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/19/87-10/19/87	1	0.104	0.104	0.104	0.104	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	1	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/19/87-10/19/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-10/19/87	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/19/87-10/19/87	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-10/19/87	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/19/87-10/19/87	1	1.123	1.123	1.123	1.123	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/19/87-10/19/87	1	20.5	20.5	20.5	20.5	0.	0.	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/19/87-10/19/87	1	0.391	0.391	0.391	0.391	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/19/87-10/19/87	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/19/87-10/19/87	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: PORE0095

NPS Station ID: PORE0095
LAT/LON: 38.057642/-122.937505
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #16
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE16
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE SIXTEEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. THE LOCATION OF THE SITE WITHIN THE ESTERO IS UNKNOWN; LATITUDE AND LONGITUDE VALUES WERE ESTIMATED AS A CENTRALIZED LOCATION IN THE ESTERO. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/16/96-02/24/98	23	12.6	13.326	23.	10.5	6.335	2.517	11.2	12.	14.	15.6
00480	SALINITY - PARTS PER THOUSAND	01/16/96-02/24/98	22	27.5	27.05	35.5	17.	15.793	3.974	21.32	25.	29.5	31.35
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/13/95-02/24/98	25	5.	105.36	920.	1.	64331.073	253.636	1.	2.	65.5	512.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/13/95-02/24/98	25	0.699	0.994	2.964	0.	0.893	0.945	0.	0.301	1.682	2.614
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.866								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/13/95-02/24/98	25	2.	25.2	350.	1.	5114.25	71.514	1.	1.	6.5	79.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/13/95-02/24/98	25	0.301	0.534	2.544	0.	0.581	0.762	0.	0.	0.801	1.898
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.421								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	12/10/96-02/24/98	11	2.	12.182	79.	1.	579.964	24.082	1.	1.	8.	69.8

** - 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: PORE0095

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	25	0	0.00	4	0	0.00	11	0	0.00	10	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	25	1	0.04	4	0	0.00	11	0	0.00	10	1	0.10			

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

Station Inventory for Station: PORE0096

NPS Station ID: PORE0096
LAT/LON: 38.057642/-122.937505
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #17
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE17
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE SEVENTEEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. THE LOCATION OF THE SITE WITHIN THE ESTERO IS UNKNOWN; LATITUDE AND LONGITUDE VALUES WERE ESTIMATED AS A CENTRALIZED LOCATION IN THE ESTERO. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/16/96-12/08/98	30	13.	13.46	24.	10.	6.241	2.498	11.5	12.	14.5	15.9
00480	SALINITY - PARTS PER THOUSAND	01/16/96-12/08/98	30	27.5	27.817	34.5	17.	14.232	3.773	23.1	25.75	31.	32.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/16/96-12/08/98	34	5.	40.559	490.	1.	10631.648	103.11	1.	1.	14.	130.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/16/96-12/08/98	34	0.699	0.787	2.69	0.	0.63	0.794	0.	0.	1.146	2.114
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.118								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/16/96-12/08/98	35 ##	1.	7.286	79.	1.	298.092	17.265	1.	1.	5.	14.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/16/96-12/08/98	35 ##	0.	0.38	1.898	0.	0.287	0.536	0.	0.	0.699	1.161
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.396								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	12/10/96-12/08/98	22 ##	1.	5.545	70.	1.	216.831	14.725	1.	1.	2.75	11.5

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

EPA Water Quality Criteria Analysis for Station: PORE0096

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	34	0	0.00	8	0	0.00	13	0	0.00	13	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	35	0	0.00	8	0	0.00	14	0	0.00	13	0	0.00			

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

Station Inventory for Station: PORE0097

NPS Station ID: PORE0097
LAT/LON: 38.057642/-122.937505
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #18
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE18
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE EIGHTEEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. THE LOCATION OF THE SITE WITHIN THE ESTERO IS UNKNOWN; LATITUDE AND LONGITUDE VALUES WERE ESTIMATED AS A CENTRALIZED LOCATION IN THE ESTERO. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/24/98-02/24/98	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	02/24/98-02/24/98	1	20.6	20.6	20.6	20.6	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/27/98-02/24/98	2	1156.5	1156.5	2300.	13.	2615184.5	1617.153	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/27/98-02/24/98	2	2.238	2.238	3.362	1.114	2.526	1.589	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			172.916								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/27/98-02/24/98	2	17.5	17.5	27.	8.	180.5	13.435	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/27/98-02/24/98	2	1.167	1.167	1.431	0.903	0.14	0.374	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.697								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	01/27/98-02/24/98	2	17.5	17.5	27.	8.	180.5	13.435	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	2	1	0.50							2	1	0.50			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	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: PORE0098

NPS Station ID: PORE0098
LAT/LON: 38.057642/-122.937505
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #19
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE19
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE NINETEEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. THE LOCATION OF THE SITE WITHIN THE ESTERO IS UNKNOWN; LATITUDE AND LONGITUDE VALUES WERE ESTIMATED AS A CENTRALIZED LOCATION IN THE ESTERO. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/24/98-02/24/98	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	02/24/98-02/24/98	1	20.6	20.6	20.6	20.6	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/27/98-02/24/98	2	135.	135.	140.	130.	50.	7.071	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/27/98-02/24/98	2	2.13	2.13	2.146	2.114	0.001	0.023	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			134.907								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/27/98-02/24/98	2	56.	56.	79.	33.	1058.	32.527	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/27/98-02/24/98	2	1.708	1.708	1.898	1.519	0.072	0.268	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			51.059								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	01/27/98-02/24/98	2	41.	41.	49.	33.	128.	11.314	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0098

				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	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: PORE0099

NPS Station ID: PORE0099
LAT/LON: 38.057642/-122.941254
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #13
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE13
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE THIRTEEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/08/98	75	14.	14.379	24.	8.	9.254	3.042	11.	12.	16.	18.
00480	SALINITY - PARTS PER THOUSAND	03/10/94-12/08/98	77	30.	29.338	37.	15.	19.202	4.382	23.8	26.	32.45	35.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	86	2.	44.988	1600.	1.	35421.8	188.207	1.	1.	13.25	49.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	86	0.301	0.645	3.204	0.	0.585	0.765	0.	0.	1.122	1.69
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.412								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	87	2.	8.437	240.	1.	845.644	29.08	1.	1.	5.	14.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	87	0.301	0.412	2.38	0.	0.27	0.52	0.	0.	0.699	1.163
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.582								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	31	2.	5.065	33.	1.	55.196	7.429	1.	1.	5.	16.2

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

EPA Water Quality Criteria Analysis for Station: PORE0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	86	1	0.01	31	0	0.00	25	1	0.04	30	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	87	1	0.01	31	0	0.00	26	1	0.04	30	0	0.00			

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

Annual Analysis for 1991 - Station PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	1	220.	220.	220.	220.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	1	2.342	2.342	2.342	2.342	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			220.								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			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 1994 - Station PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/08/98	14	14.5	13.664	17.5	8.	7.909	2.812	9.	11.75	16.	17.
00480p	SALINITY - PARTS PER THOUSAND	03/10/94-12/08/98	14	33.	32.964	36.5	29.5	2.672	1.635	30.5	32.	33.625	35.75
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	15	2.	8.4	49.	1.	172.543	13.136	1.	1.	14.	32.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	15	0.301	0.508	1.69	0.	0.365	0.604	0.	0.	1.146	1.482
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.218								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	15	2.	4.067	14.	1.	20.638	4.543	1.	1.	5.	14.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	15	0.301	0.386	1.146	0.	0.194	0.441	0.	0.	0.699	1.146
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.435								

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

Annual Analysis for 1995 - Station PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/08/98	10	13.5	14.25	22.	9.5	15.569	3.946	9.65	11.	16.75	21.7
00480p	SALINITY - PARTS PER THOUSAND	03/10/94-12/08/98	10	30.	29.2	33.	22.5	9.233	3.039	22.85	27.875	31.25	32.9
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	14	3.5	144.357	1600.	1.	183011.632	427.799	1.	1.	27.75	965.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	14	0.5	0.841	3.204	0.	1.032	1.016	0.	0.	1.441	2.861
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.93								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	14 ##	1.5	20.214	240.	1.	4014.335	63.359	1.	1.	7.	126.5
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	14 ##	0.151	0.463	2.38	0.	0.462	0.679	0.	0.	0.845	1.747
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.906								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/08/98	24	13.25	14.354	19.	11.	6.532	2.556	11.	12.25	16.75	18.
00480p	SALINITY - PARTS PER THOUSAND	03/10/94-12/08/98	24	27.	27.104	32.5	23.	5.956	2.441	23.5	26.	29.	30.5
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	24	2.	23.208	350.	1.	5333.216	73.029	1.	1.	7.75	63.5
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	24	0.301	0.56	2.544	0.	0.476	0.69	0.	0.	0.889	1.636
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.633								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	24 ##	1.	3.708	17.	1.	19.781	4.448	1.	1.	4.75	12.5
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	24 ##	0.	0.34	1.23	0.	0.184	0.428	0.	0.	0.675	1.094
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.185								

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

Annual Analysis for 1997 - Station PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/08/98	14	16.	16.107	24.	11.5	14.661	3.829	11.75	12.875	17.875	23.5
00480p	SALINITY - PARTS PER THOUSAND	03/10/94-12/08/98	14	33.	30.857	37.	15.	48.44	6.96	16.	29.75	36.	36.5
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	17	2.	36.118	540.	1.	16918.485	130.071	1.	1.	6.	134.4
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	17	0.301	0.52	2.732	0.	0.513	0.716	0.	0.	0.772	1.761
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.313								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	17	2.	10.353	130.	1.	959.493	30.976	1.	1.	4.5	36.4
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	17	0.301	0.414	2.114	0.	0.304	0.551	0.	0.	0.651	1.314
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.593								

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

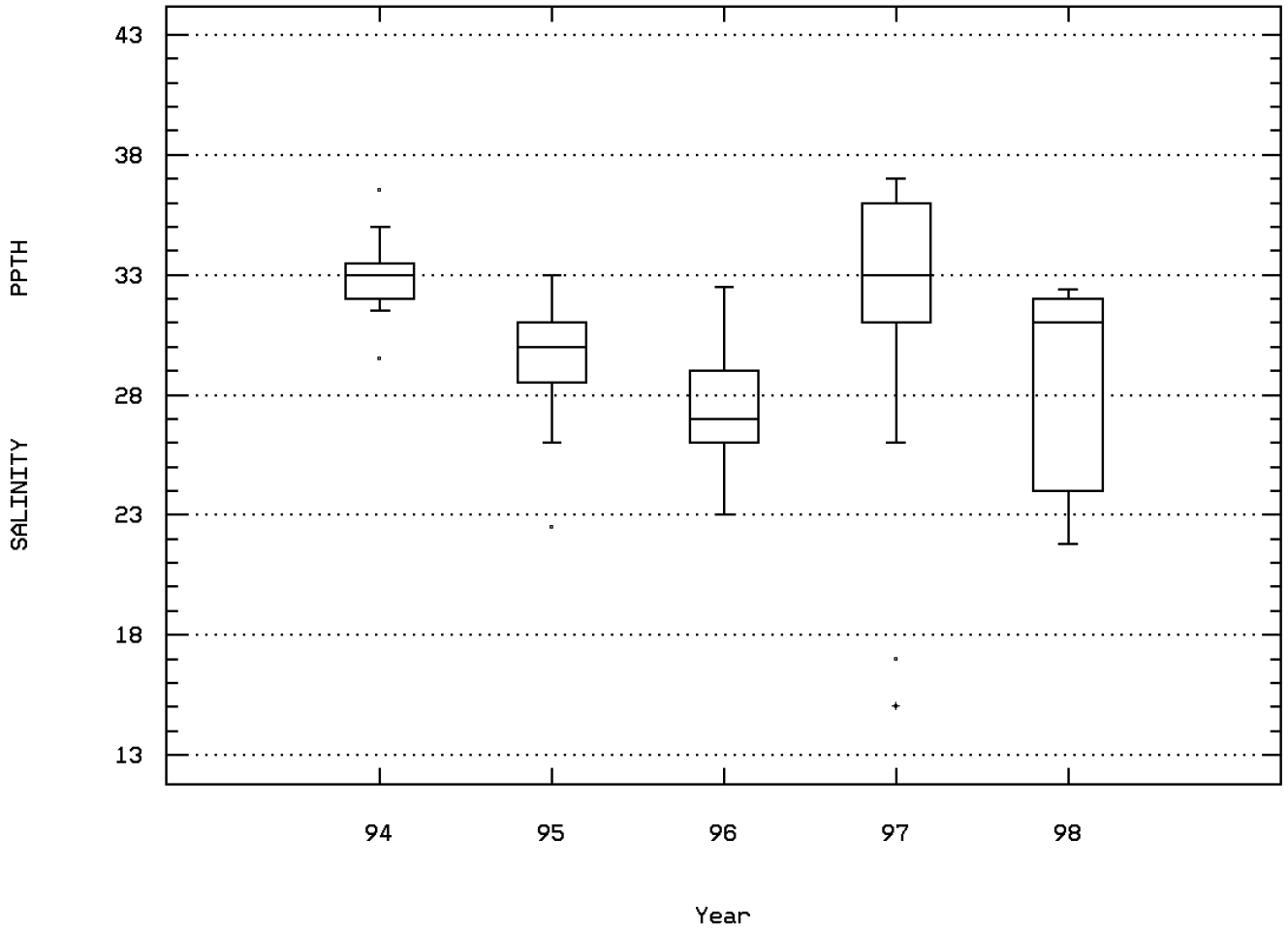
Annual Analysis for 1998 - Station PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/08/98	13	13.7	13.431	16.5	10.	3.349	1.83	10.4	12.05	14.3	16.3
00480p	SALINITY - PARTS PER THOUSAND	03/10/94-12/08/98	15	31.	28.2	32.4	21.8	15.646	3.955	21.92	24.	32.	32.16
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	15	5.	22.067	170.	1.	1883.924	43.404	1.	1.	27.	97.4
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	15	0.699	0.761	2.23	0.	0.552	0.743	0.	0.	1.431	1.906
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.771								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	16	2.	7.75	33.	1.	103.533	10.175	1.	1.	17.	26.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	16	0.301	0.524	1.519	0.	0.324	0.569	0.	0.	1.23	1.409
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.339								

** - Less than 9 observations ## - Computed 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: PORE0099 Parameter Code: 00480

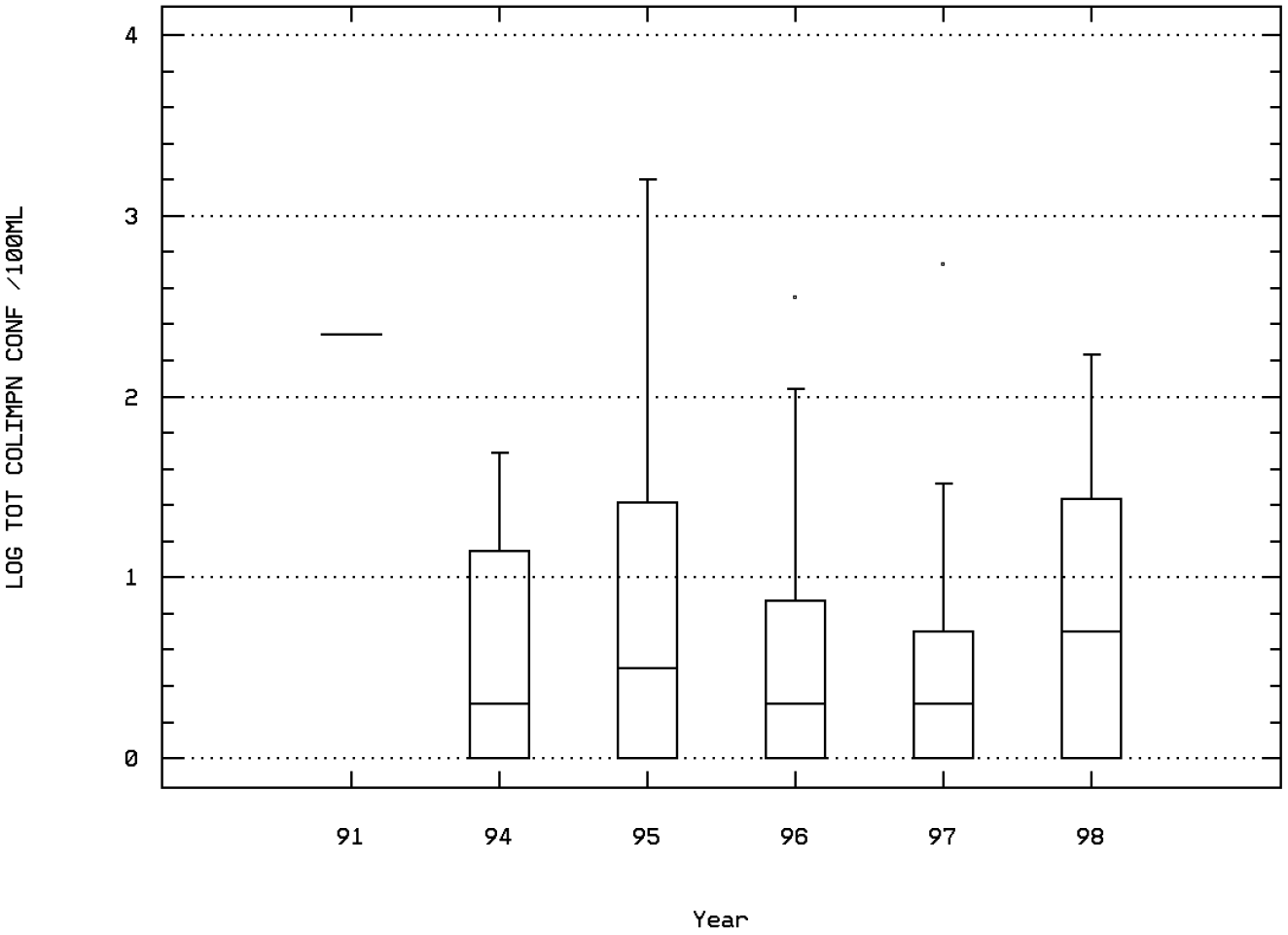
SALINITY - PARTS PER THOUSAND



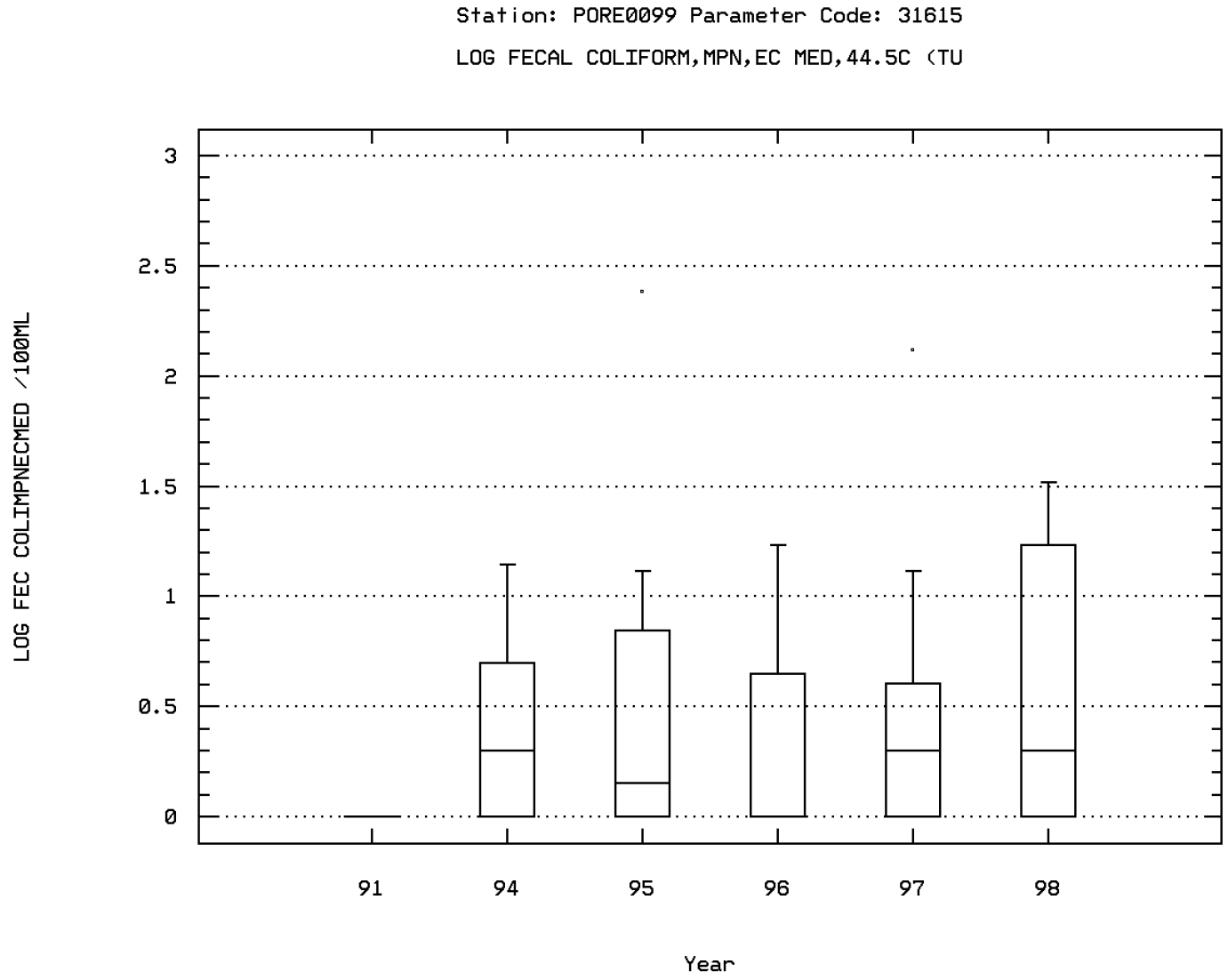
DRAKES ESTERO SAMPLING SITE #13

Station: PORE0099 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



DRAKES ESTERO SAMPLING SITE #13



DRAKES ESTERO SAMPLING SITE #13

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	31 ##	1.	1.839	8.	1.	3.34	1.828	1.	1.	2.	4.8
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	31 ##	0.	0.147	0.903	0.	0.078	0.28	0.	0.	0.301	0.68
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.403								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	31 ##	1.	1.516	5.	1.	1.258	1.122	1.	1.	1.	4.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	31 ##	0.	0.11	0.699	0.	0.049	0.222	0.	0.	0.	0.602
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.288								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	25	7.	73.4	1600.	1.	101264.75	318.221	1.6	2.	15.5	35.2
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	25	0.845	0.861	3.204	0.	0.447	0.669	0.181	0.301	1.188	1.525
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7.258								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	26	4.	13.923	240.	1.	2142.634	46.289	1.	2.	7.25	14.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	26	0.602	0.617	2.38	0.	0.254	0.504	0.	0.301	0.86	1.146
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.137								

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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/20/91-12/08/98	30	5.	65.9	540.	1.	16875.197	129.905	1.	1.	37.	319.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/20/91-12/08/98	30	0.699	0.979	2.732	0.	0.845	0.919	0.	0.	1.561	2.501
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.521								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	30	2.	10.833	130.	1.	575.247	23.984	1.	1.	14.75	22.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/20/91-12/08/98	30	0.301	0.547	2.114	0.	0.377	0.614	0.	0.	1.167	1.349
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.521								

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

Station Inventory for Station: PORE0100

NPS Station ID: PORE0100
LAT/LON: 38.057726/-122.942920
Agency: 1119REG9
Date Created: / /
Location: DRAKES ESTERO S OF BULL POINT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000226 /6000194B
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 999
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005018
RF1 Mile Point: 29.200
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005001826.58
RF3 Mile Point: 35.56
Distance from RF3: 0.07
On/Off RF3:
Description:
SAN FRANCISCO BAY SHELLFISH STUDY 1972. THIS IS AN EPA SHELLFISH AND WATER SAMPLING STATION. THE DATA IS FROM EPA TESTING. THIS STATION IS LOCATED IN DRAKES ESTERO 1150 FEET SOUTH OF BULL POINT. THIS STATION IS LABELED JOHNSON OYSTER CO., DRAKES ESTERO CONTROL C-2 BY THE SHELLFISH STUDY.

Parameter Inventory for Station: PORE0100

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: PORE0101

NPS Station ID: PORE0101 | LAT/LON: 38.059976/-122.885087 | Agency: 11NPSWRD | Date Created: 07/24/99
Location: GLENBROOK CREEK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_NPS_GLEN
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT GLENBROOK CREEK INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-10/22/64	4	53.5	54.5	58.	53.	5.667	2.38	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-10/22/64	5	49.	45.2	85.	13.	846.2	29.09	**	**	**	**

** - 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 time series plot

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

Station Inventory for Station: PORE0102

NPS Station ID: PORE0102 | LAT/LON: 38.060004/-122.950976 | Agency: 11NPSWRD | Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #3 | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_CADHS_DE3
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE THREE IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0102

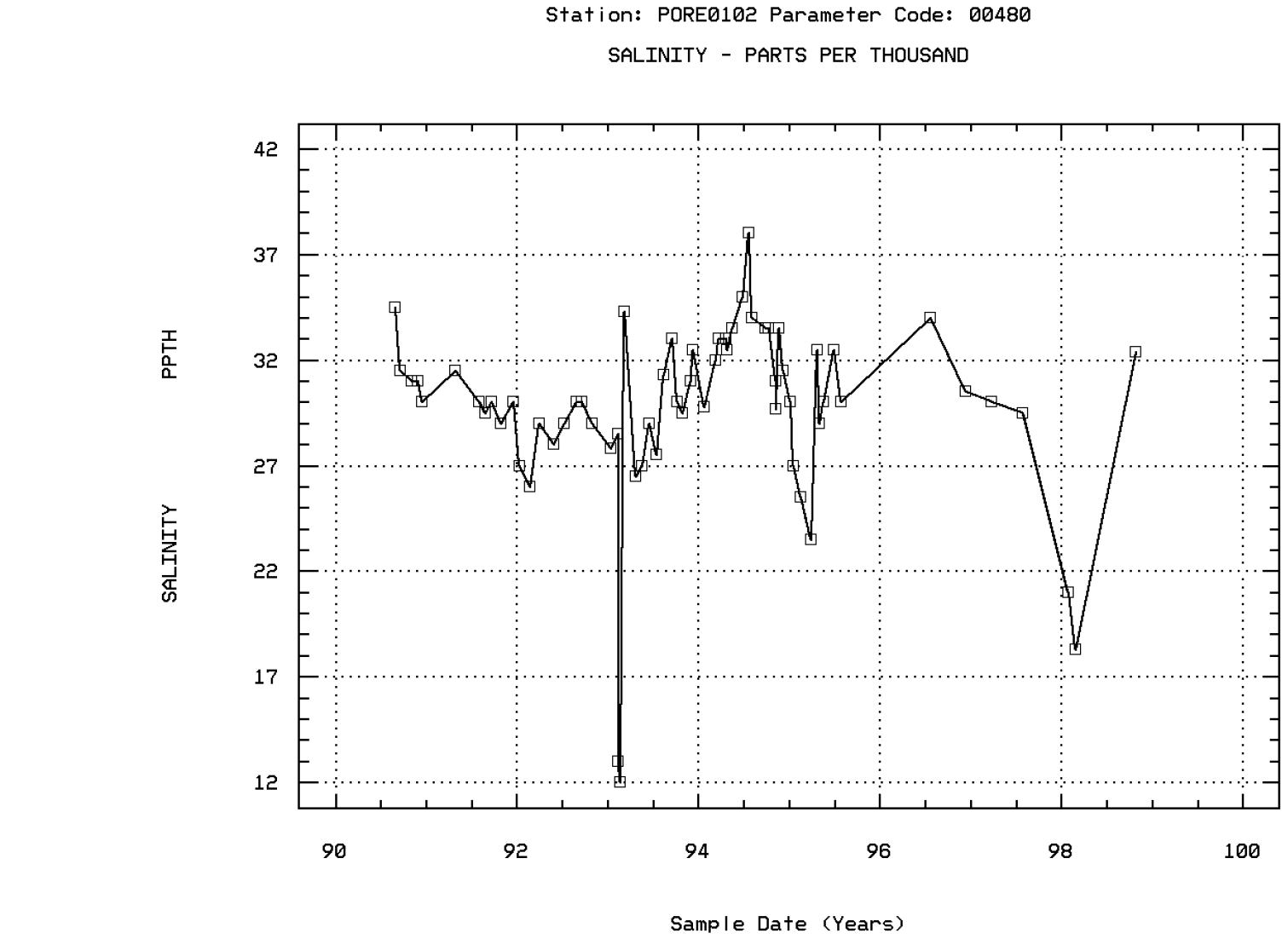
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	67	15.	15.19	27.5	7.5	15.168	3.895	10.	12.5	18.	19.2
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	65	30.	29.663	38.	12.	19.51	4.417	25.8	29.	32.5	33.7
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	91	2.	47.56	790.	1.	22855.56	151.181	1.	1.	13.	97.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	91	0.301	0.657	2.898	0.	0.625	0.79	0.	0.	1.114	1.971
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.542								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	92 ##	1.	10.391	330.	1.	1476.614	38.427	1.	1.	6.5	13.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	92 ##	0.	0.394	2.519	0.	0.312	0.558	0.	0.	0.809	1.114
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.478								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	9	7.	13.111	49.	1.	293.611	17.135	1.	1.	25.	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 time series plot

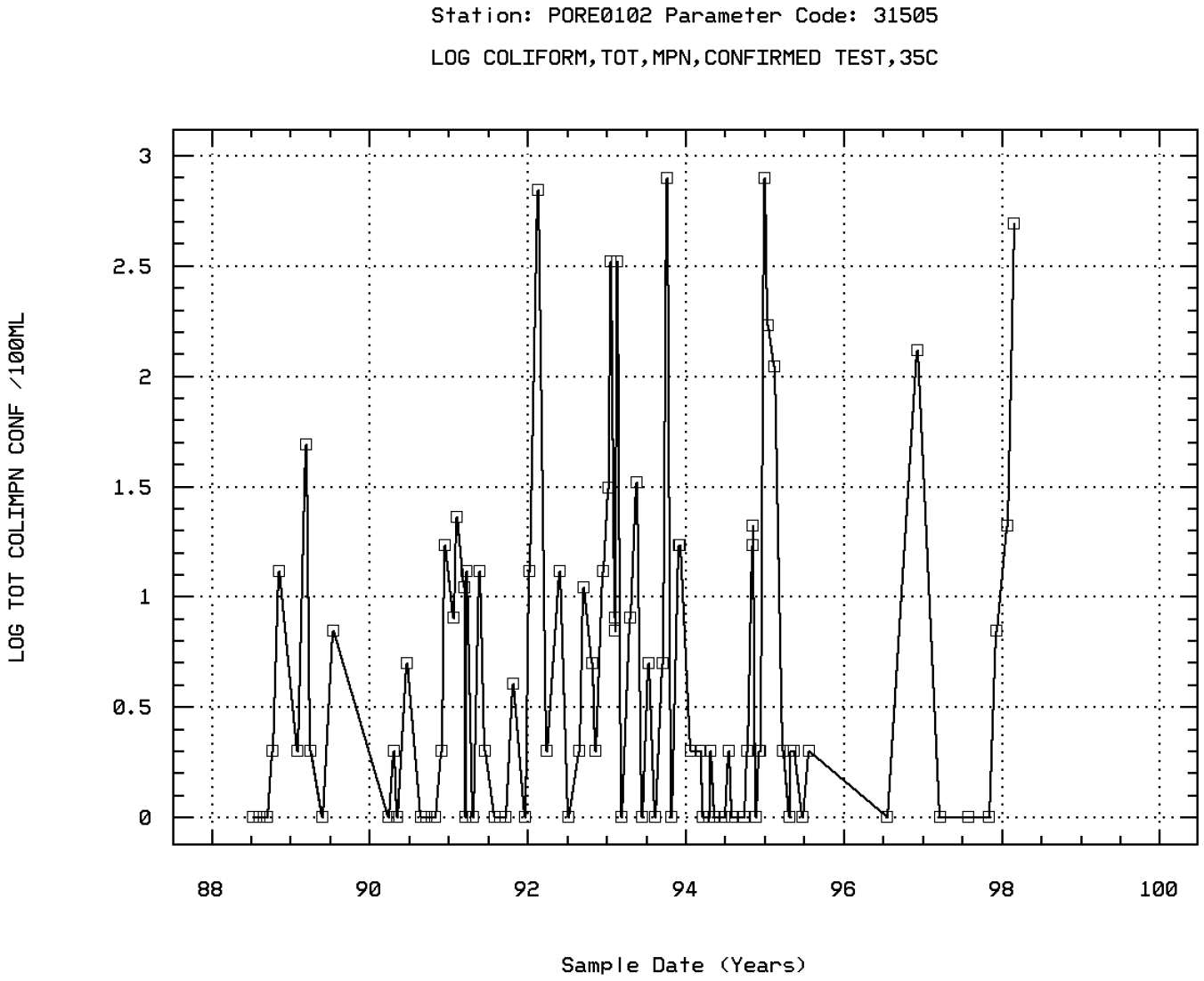
EPA Water Quality Criteria Analysis for Station: PORE0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	91	0	0.00	33	0	0.00	25	0	0.00	33	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	92	1	0.01	33	0	0.00	26	0	0.00	33	1	0.03			

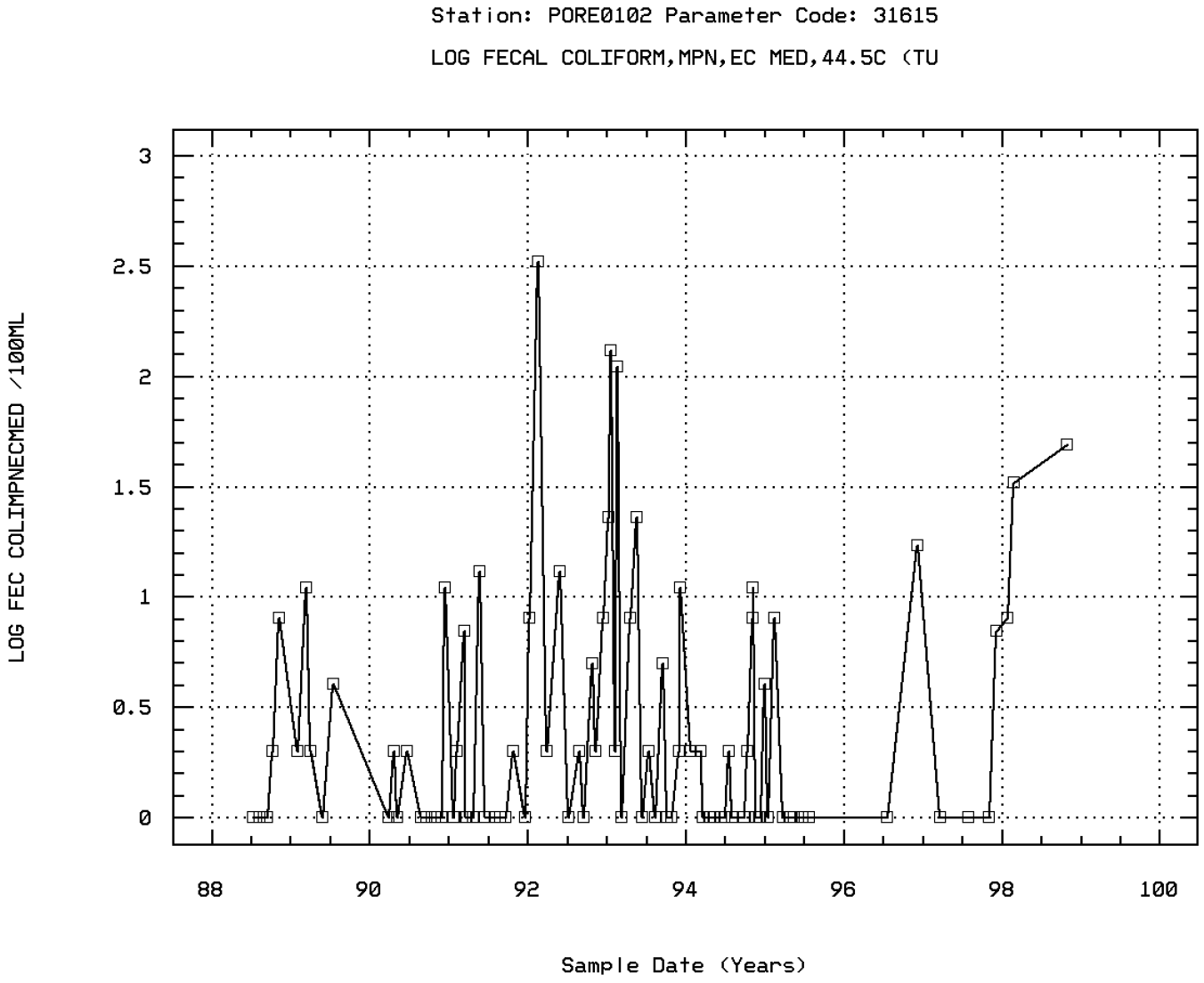
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



DRAKES ESTERO SAMPLING SITE #3



DRAKES ESTERO SAMPLING SITE #3



DRAKES ESTERO SAMPLING SITE #3

Annual Analysis for 1988 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5 ##	1.	3.6	13.	1.	27.8	5.273	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5 ##	0.	0.283	1.114	0.	0.233	0.482	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.919								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	1.	2.6	8.	1.	9.3	3.05	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	0.	0.241	0.903	0.	0.154	0.392	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.741								

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

Annual Analysis for 1989 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5	2.	12.2	49.	1.	428.7	20.705	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5	0.301	0.627	1.69	0.	0.446	0.668	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.241								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5	2.	4.	11.	1.	16.5	4.062	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5	0.301	0.449	1.041	0.	0.155	0.394	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.813								

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

Annual Analysis for 1990 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9 ##	1.	3.444	17.	1.	27.528	5.247	1.	1.	3.5	17.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9 ##	0.	0.281	1.23	0.	0.184	0.429	0.	0.	0.5	1.23
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.911								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	1.	2.333	11.	1.	10.75	3.279	1.	1.	2.	11.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	0.	0.183	1.041	0.	0.121	0.347	0.	0.	0.301	1.041
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.523								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	13	2.	6.154	23.	1.	48.808	6.986	1.	1.	12.	19.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	13	0.301	0.495	1.362	0.	0.292	0.54	0.	0.	1.078	1.263
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.127								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13 ##	1.	2.538	13.	1.	12.603	3.55	1.	1.	2.	10.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13 ##	0.	0.197	1.114	0.	0.136	0.369	0.	0.	0.301	1.006
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.574								

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

Annual Analysis for 1992 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	10	8.	76.2	700.	1.	48066.844	219.242	1.1	2.	13.	631.3
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	10	0.87	0.883	2.845	0.	0.652	0.807	0.03	0.301	1.114	2.672
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7.639								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	3.5	37.2	330.	1.	10599.733	102.955	1.	1.75	9.25	298.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10	0.5	0.704	2.519	0.	0.558	0.747	0.	0.226	0.956	2.378
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.059								

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

Annual Analysis for 1993 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16	8.	99.063	790.	1.	45849.663	214.125	1.	2.	32.5	468.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16	0.903	1.091	2.898	0.	0.861	0.928	0.	0.175	1.512	2.632
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			12.329								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16	2.	20.188	130.	1.	1584.563	39.807	1.	1.	20.	116.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16	0.301	0.67	2.114	0.	0.527	0.726	0.	0.	1.282	2.063
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.682								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16	2.	3.688	21.	1.	36.496	6.041	1.	1.	2.	18.2
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16	0.301	0.291	1.322	0.	0.169	0.411	0.	0.	0.301	1.258
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.955								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	1.	2.313	11.	1.	8.363	2.892	1.	1.	2.	8.9
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	0.	0.197	1.041	0.	0.11	0.331	0.	0.	0.301	0.945
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.573								

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

Annual Analysis for 1995 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	2.	120.	790.	1.	66939.75	258.727	1.	1.5	140.	790.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9	0.301	0.93	2.898	0.	1.264	1.124	0.	0.151	2.136	2.898
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			8.519								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	1.	2.111	8.	1.	5.861	2.421	1.	1.	2.5	8.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	0.	0.167	0.903	0.	0.116	0.34	0.	0.	0.301	0.903
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.47								

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

Annual Analysis for 1996 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	2 ##	65.5	65.5	130.	1.	8320.5	91.217	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	2 ##	1.057	1.057	2.114	0.	2.234	1.495	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			11.402								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2 ##	9.	9.	17.	1.	128.	11.314	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2 ##	0.615	0.615	1.23	0.	0.757	0.87	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.123								

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

Annual Analysis for 1997 - Station PORE0102

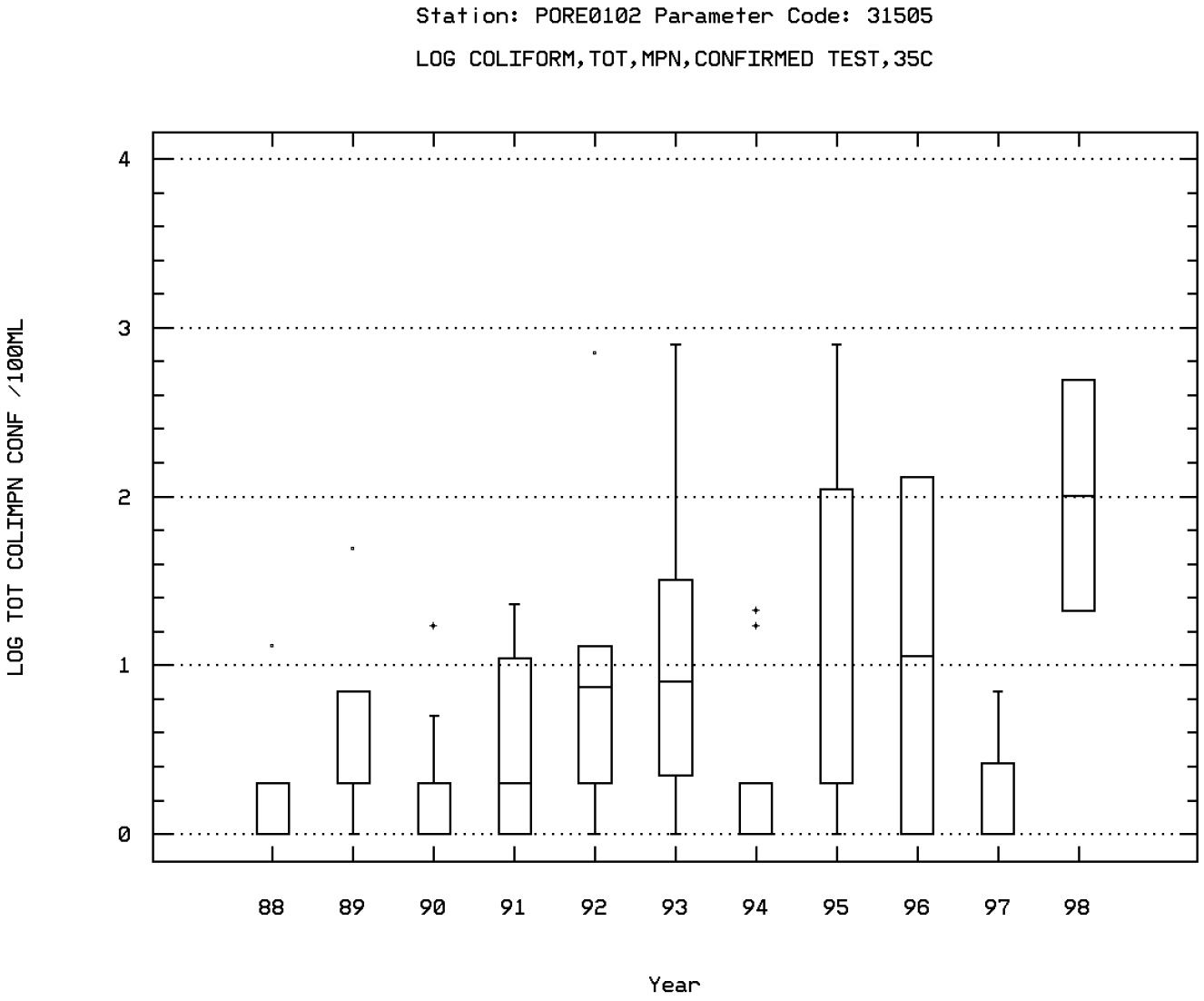
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	4 ##	1.	2.5	7.	1.	9.	3.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	4 ##	0.	0.211	0.845	0.	0.179	0.423	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.627								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	4 ##	1.	2.5	7.	1.	9.	3.	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	4 ##	0.	0.211	0.845	0.	0.179	0.423	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.627								

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

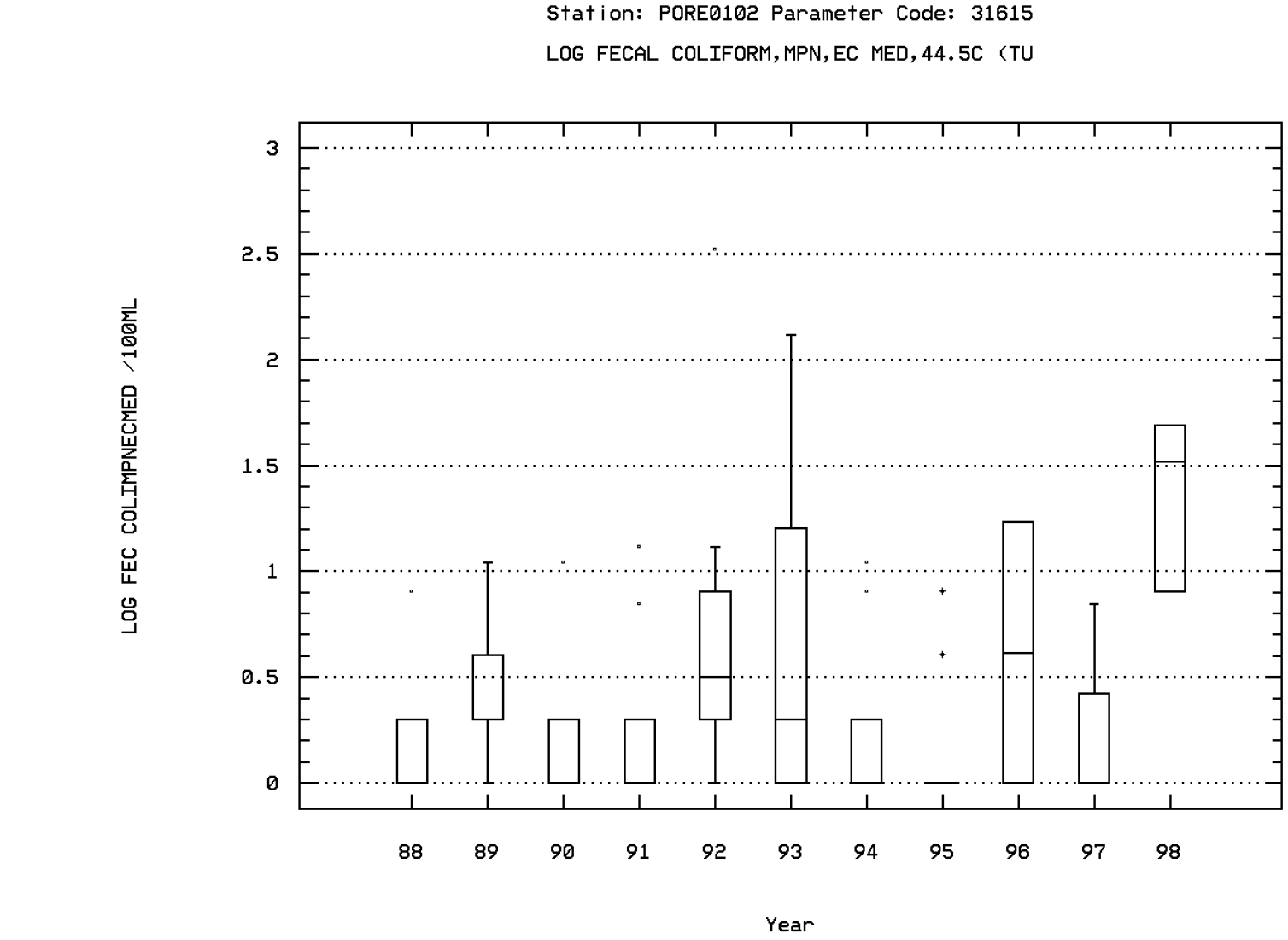
Annual Analysis for 1998 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	2	255.5	255.5	490.	21.	109980.5	331.633	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	2	2.006	2.006	2.69	1.322	0.936	0.967	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			101.44								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	3	33.	30.	49.	8.	427.	20.664	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	3	1.519	1.371	1.69	0.903	0.171	0.414	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.475								

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



DRAKES ESTERO SAMPLING SITE #3



DRAKES ESTERO SAMPLING SITE #3

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	25	18.	17.644	22.	13.3	4.036	2.009	14.6	16.65	18.75	20.4
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	25	30.	31.212	38.	27.	7.082	2.661	27.8	29.5	33.5	34.7
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	33 ##	1.	27.606	790.	1.	18770.684	137.006	1.	1.	5.	13.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	33 ##	0.	0.368	2.898	0.	0.389	0.624	0.	0.	0.699	1.114
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.332								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33 ##	1.	2.727	23.	1.	21.955	4.686	1.	1.	2.	9.8
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33 ##	0.	0.185	1.362	0.	0.138	0.372	0.	0.	0.301	0.948
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.53								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0102

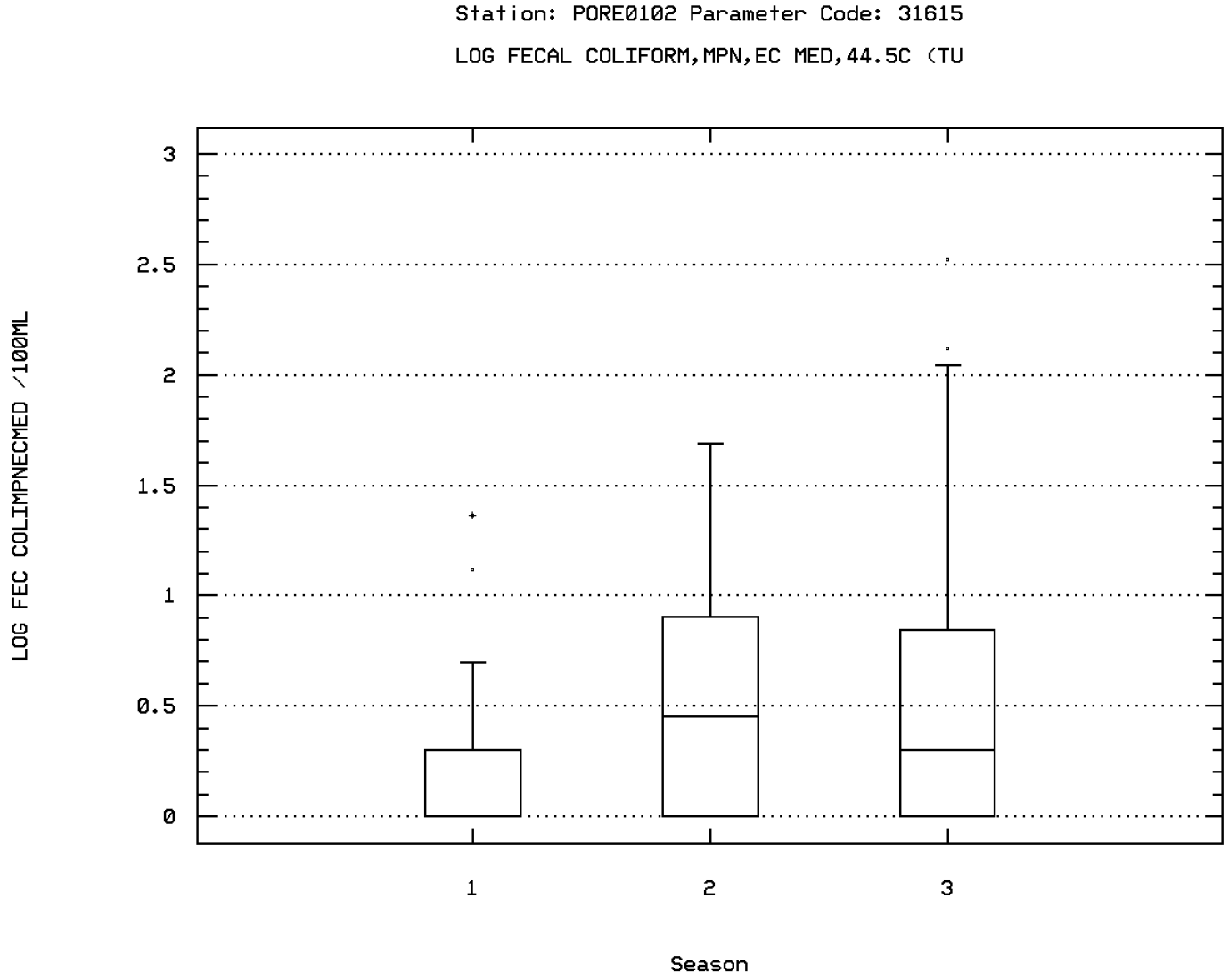
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	21	12.	12.124	17.	7.5	7.967	2.823	8.2	10.	14.55	16.
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	19	30.5	30.521	33.5	27.	3.002	1.733	27.8	29.5	31.5	33.5
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	25	5.	44.48	790.	1.	24780.093	157.417	1.	2.	17.	70.6
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	25	0.699	0.802	2.898	0.	0.527	0.726	0.	0.301	1.23	1.74
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.333								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	26	3.	7.231	49.	1.	103.865	10.191	1.	1.	8.75	18.8
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	26	0.452	0.564	1.69	0.	0.259	0.509	0.	0.	0.938	1.27
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.666								

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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	21	14.	15.333	27.5	11.	19.822	4.452	11.16	12.25	16.5	24.8
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	21	29.	27.043	34.3	12.	40.327	6.35	14.06	24.5	32.25	33.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	33	2.	69.848	700.	1.	25995.195	161.23	1.	1.	22.	330.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	33	0.301	0.837	2.845	0.	0.837	0.915	0.	0.	1.342	2.519
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.878								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33	2.	20.545	330.	1.	3921.006	62.618	1.	1.	7.5	79.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33	0.301	0.47	2.519	0.	0.471	0.686	0.	0.	0.874	1.832
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.949								

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



DRAKES ESTERO SAMPLING SITE #3

Station Inventory for Station: PORE0103

NPS Station ID: PORE0103 | LAT/LON: 38.061948/-122.815282 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: SAN GERONIMO CH AT SIR FRANCIS DRAKE | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E1105001 /2011309
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005003 | RF1 Mile Point: 1.980 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050005001200.00 | RF3 Mile Point: 1.50 | Distance from RF3: 0.02 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 0 ;
STATION NAME: SAN GERONIMO CH A SIR FRANCIS DRK; DWR COUNTY CODE: 21; LATITUDE: 380343; LONGITUDE: 1224855;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03N, RANGE 09, SECTION 35KBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0103

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0104

NPS Station ID: PORE0104
LAT/LON: 38.061948/-122.815282
Agency: 21CAL-4
Date Created: 06/28/80
Location: SAN GERONIMO CH A SIR FRANCIS DR
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1105001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005003
RF1 Mile Point: 1.980
Distance from RF1: 1.10
On/Off RF1: OFF
RF3 Index: 18010111008700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.08
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	9.7	9.7	12.2	7.2	12.5	3.536	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	50.	51.	53.	50.	3.	1.732	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	10.	23.333	50.	10.	533.333	23.094	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	580.	1366.4	2980.	359.	1453591.3	1205.65	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	8.	7.84	8.6	6.7	0.583	0.764	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	6.9	6.9	7.	6.7	0.015	0.122	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	6.9	6.885	7.	6.7	0.015	0.124	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.126	0.13	0.2	0.1	0.002	0.041	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3 ##	0.02	0.07	0.17	0.02	0.008	0.087	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	2400.	7758.	24000.	790.	92962820.	9641.723	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.38	3.6	4.38	2.898	0.333	0.577	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3984.829								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	540.	820.	2200.	330.	602550.	776.241	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	2.732	2.803	3.342	2.519	0.099	0.314	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			635.6								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	2	675.	675.	920.	430.	120050.	346.482	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/23/77-02/24/77	2	2.799	2.799	2.964	2.633	0.055	0.234	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			628.967								
31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31678	LOG FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATI	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31678	GM FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATIO	GEOMETRIC MEAN =			2.								

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

EPA Water Quality Criteria Analysis for Station: PORE0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				3	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PORE0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	4	0.80				3	3	1.00	2	1	0.50			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	5	1.00				3	3	1.00	2	2	1.00			

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

Station Inventory for Station: PORE0105

NPS Station ID: PORE0105
LAT/LON: 38.062087/-122.954726
Agency: 1119REG9
Date Created: / /
Location: CREAMERY BAY, DRAKES ESTERO
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000194 /6000226A
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 999
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005018
RF1 Mile Point: 32.450
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003615.16
RF3 Mile Point: 15.90
Distance from RF3: 0.06
On/Off RF3:
Description:
SAN FRANCISCO BAY SHELLFISH STUDY 1972. THIS IS AN EPA SHELLFISH AND WATER SAMPLING STATION. THE DATA IS FROM EPA TESTING. THIS STATION IS LOCATED IN DRAKES ESTERO AT THE MOUTH OF CREAMERY BAY. THIS STATION IS LABELED JOHNSON OYSTER CO., DRAKES ESTERO CONTROL C-1 BY THE SHELLFISH STUDY. THE BACTERIOLOGICAL, HEAVY METAL AND HYDROCARBON DATA FOR THIS STATION IS A COMPOSITE WITH THE JOHNSON OYSTER CO., DRAKES ESTERO CONTROL C-2.

Parameter Inventory for Station: PORE0105

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: PORE0106

NPS Station ID: PORE0106
LAT/LON: 38.062505/-122.698616
Agency: 11EPALES
Date Created: / /
Location: NICASIO CREEK
FIPS State/County: 06000 CALIFORNIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 0617A2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: T/NICASIO RESERVOIR
Elevation: 0
Water Body Id:
Minor Basin: UNPVD RD BRDG .1 MI NW OF NICASIO
ECO Region:
RF1 Index: 18050005010
RF1 Mile Point: 0.490
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005000500.00
RF3 Mile Point: 0.55
Distance from RF3: 0.05
On/Off RF3:
Description:
SAMPLE FROM BRDG ON UNPAVED RD 0.1 MI W OF JCT W SECONDARY RD 0.1 MI NW OF NICASIO T3N R8W

Parameter Inventory for Station: PORE0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/16/74-10/18/75	15	0.025	0.024	0.06	0.004	0.	0.015	0.006	0.01	0.032	0.048
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/16/74-12/07/74	2	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/74-10/18/75	15	1.15	1.197	2.8	0.3	0.659	0.812	0.3	0.45	1.7	2.62
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/16/74-10/18/75	15	0.17	0.279	0.92	0.06	0.057	0.238	0.084	0.15	0.4	0.764
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/16/74-10/18/75	15	0.03	0.047	0.13	0.01	0.001	0.037	0.016	0.03	0.06	0.13
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/16/74-10/18/75	15	0.024	0.028	0.13	0.01	0.001	0.029	0.013	0.015	0.025	0.07

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

EPA Water Quality Criteria Analysis for Station: PORE0106

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00				2	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	5	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: PORE0107

NPS Station ID: PORE0107
LAT/LON: 38.062726/-122.923587
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #7
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE7
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE SEVEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0107

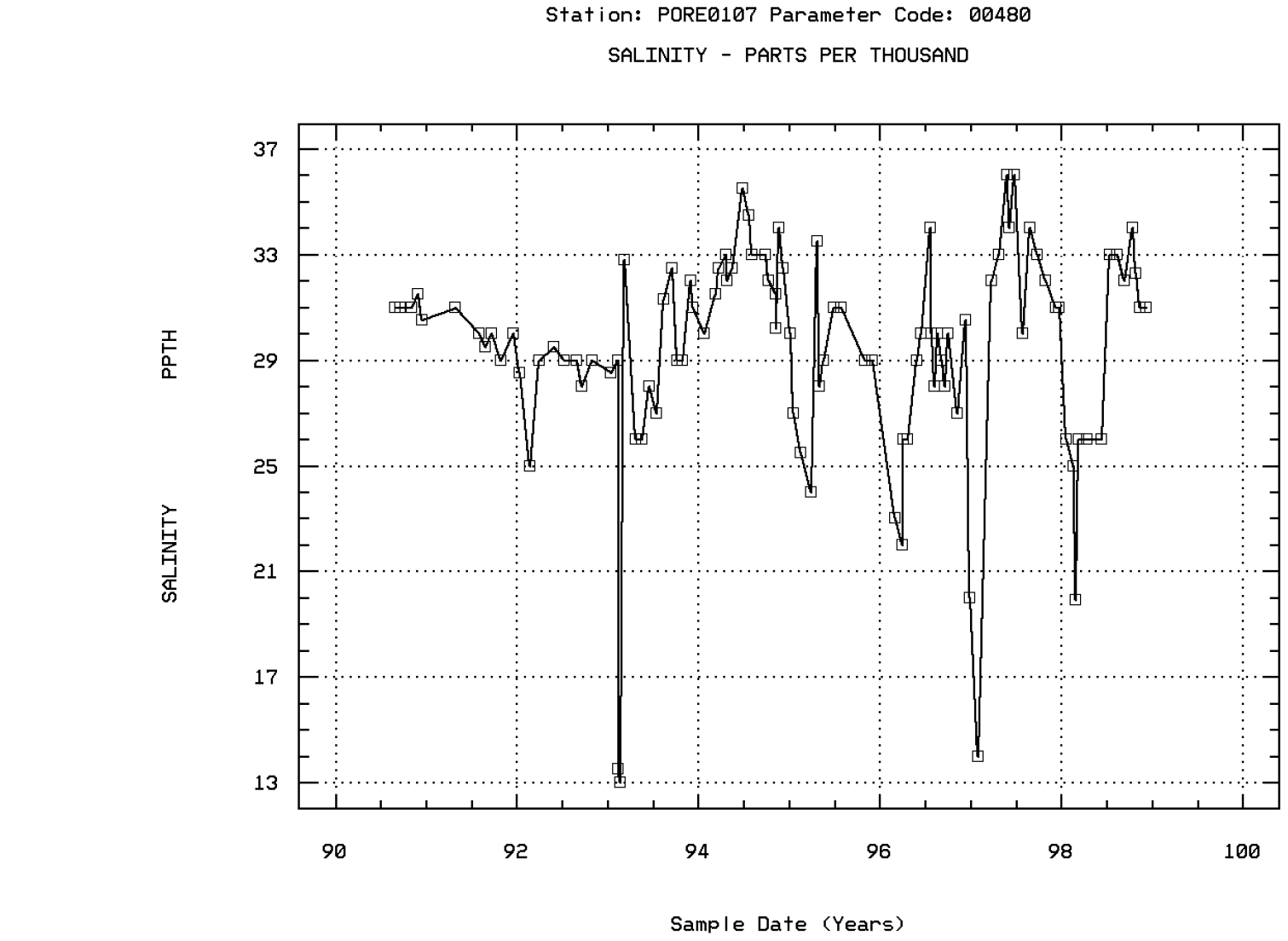
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	99	15.5	15.272	27.5	7.8	14.731	3.838	10.	12.	18.	19.5
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	102	30.	29.397	36.	13.	17.369	4.168	25.15	28.	32.	33.35
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	135	2.	105.822	5400.	1.	322026.7	567.474	1.	1.	13.	91.4
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	135	0.301	0.702	3.732	0.	0.712	0.844	0.	0.	1.114	1.955
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.033								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	136 ##	1.5	16.676	920.	1.	7436.191	86.233	1.	1.	4.75	14.9
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	136 ##	0.151	0.404	2.964	0.	0.35	0.591	0.	0.	0.675	1.171
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.534								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	27 ##	1.	11.815	230.	1.	1944.618	44.098	1.	1.	2.	17.

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

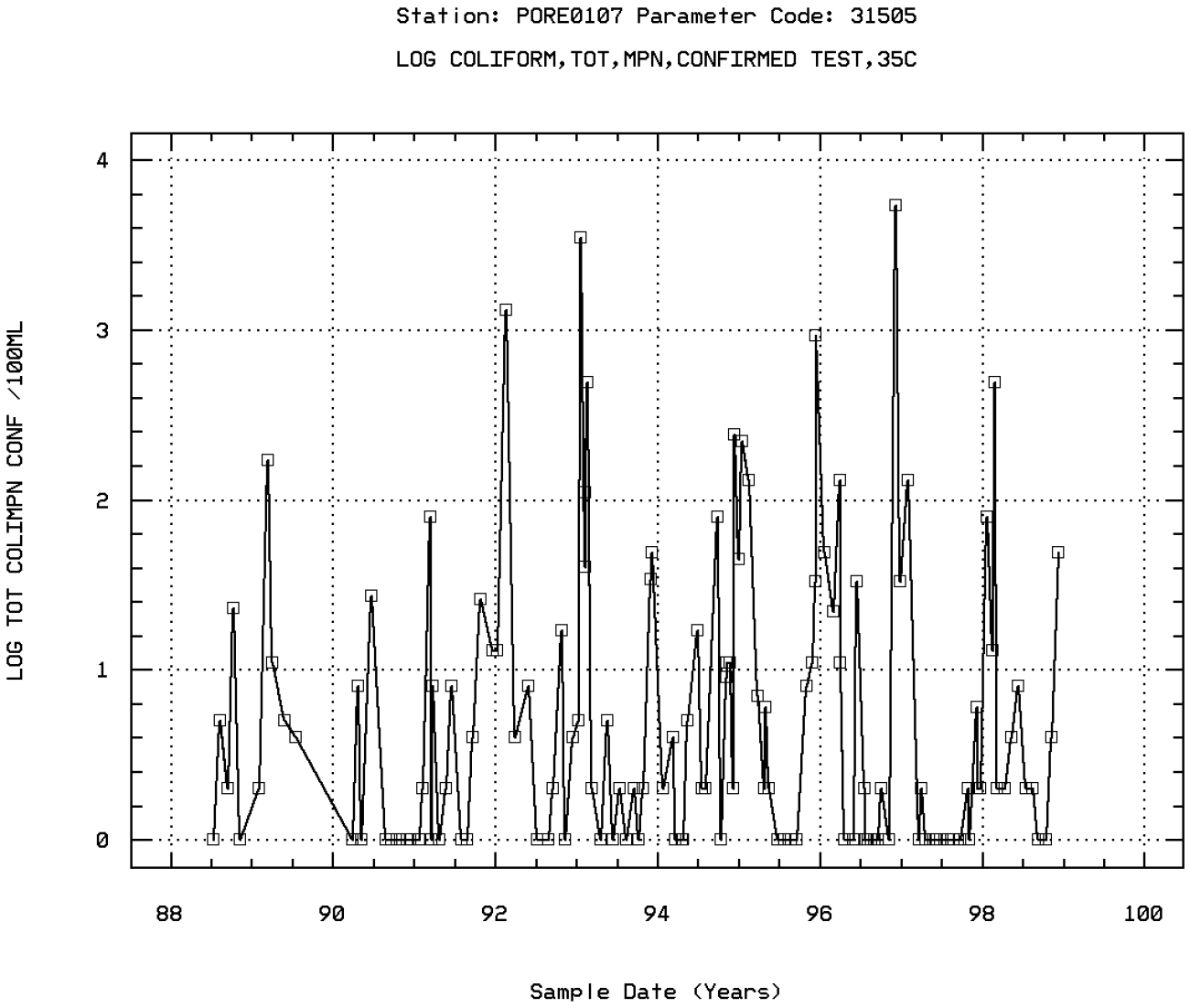
EPA Water Quality Criteria Analysis for Station: PORE0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	135	3	0.02	53	0	0.00	37	1	0.03	45	2	0.04			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	136	3	0.02	53	0	0.00	38	2	0.05	45	1	0.02			

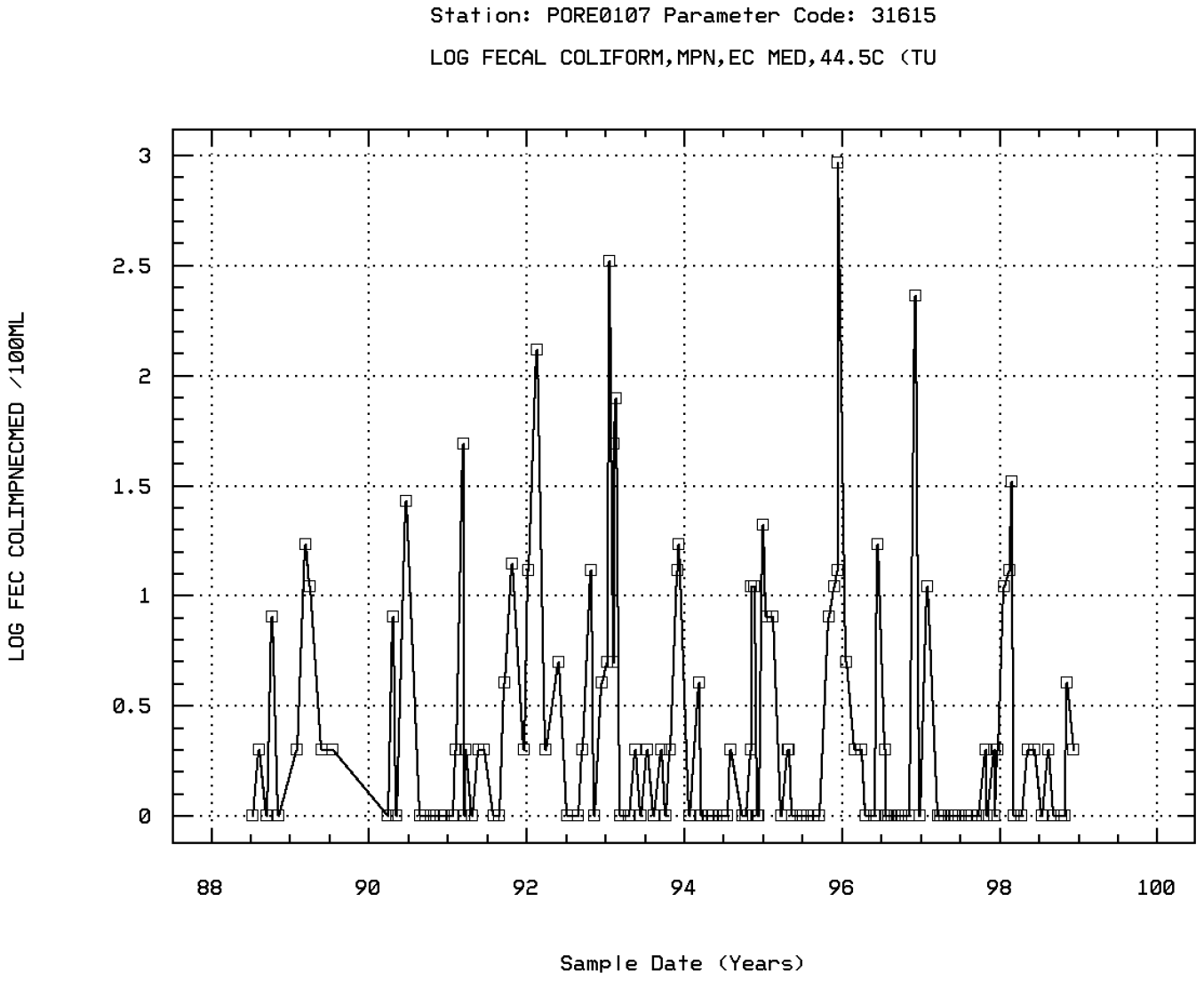
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



DRAKES ESTERO SAMPLING SITE #7



DRAKES ESTERO SAMPLING SITE #7



DRAKES ESTERO SAMPLING SITE #7

Annual Analysis for 1988 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	5	2.	6.4	23.	1.	88.8	9.423	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	5	0.301	0.472	1.362	0.	0.329	0.574	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.967								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	5 ##	1.	2.6	8.	1.	9.3	3.05	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	5 ##	0.	0.241	0.903	0.	0.154	0.392	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.741								

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

Annual Analysis for 1989 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	5	5.	38.4	170.	2.	5423.3	73.643	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	5	0.699	0.975	2.23	0.301	0.563	0.75	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.436								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	5	2.	6.8	17.	2.	47.7	6.907	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	5	0.301	0.635	1.23	0.301	0.214	0.462	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.315								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	5	13.	13.3	18.	10.	10.95	3.309	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	5	31.	31.	31.5	30.5	0.125	0.354	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	9 ##	1.	4.667	27.	1.	75.5	8.689	1.	1.	4.5	27.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	9 ##	0.	0.259	1.431	0.	0.282	0.531	0.	0.	0.452	1.431
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.817								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	9 ##	1.	4.667	27.	1.	75.5	8.689	1.	1.	4.5	27.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	9 ##	0.	0.259	1.431	0.	0.282	0.531	0.	0.	0.452	1.431
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.817								

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

Annual Analysis for 1991 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	6	13.75	14.333	19.	10.	9.767	3.125	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	6	30.	29.917	31.	29.	0.442	0.665	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	13	2.	11.308	79.	1.	465.064	21.565	1.	1.	10.5	57.8
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	13	0.301	0.572	1.898	0.	0.397	0.63	0.	0.	1.009	1.705
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.733								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	13	2.	6.308	49.	1.	176.731	13.294	1.	1.	3.	35.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	13	0.301	0.38	1.69	0.	0.259	0.509	0.	0.	0.452	1.473
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.4								

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

Annual Analysis for 1992 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	8	15.5	15.438	19.	10.	7.531	2.744	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	8	29.	28.375	29.5	25.	2.054	1.433	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	10	4.	135.1	1300.	1.	167560.1	409.341	1.	1.	14.	1171.7
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	10	0.602	0.787	3.114	0.	0.877	0.937	0.	0.	1.143	2.926
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.119								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	10	3.	17.2	130.	1.	1592.4	39.905	1.	1.	13.	118.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	10	0.452	0.624	2.114	0.	0.454	0.674	0.	0.	1.114	2.014
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.212								

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Annual Analysis for 1993 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	14	16.5	16.279	27.5	7.8	30.076	5.484	8.15	13.625	17.725	26.75
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	15	29.	27.24	32.8	13.	37.001	6.083	13.3	26.	31.3	32.62
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	16	3.5	265.313	3500.	1.	758745.029	871.06	1.	1.25	46.75	1393.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	16	0.5	0.981	3.544	0.	1.178	1.085	0.	0.075	1.668	2.946
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.579								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16	2.	31.938	330.	1.	6783.396	82.361	1.	1.	16.	154.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16	0.301	0.691	2.519	0.	0.617	0.786	0.	0.	1.201	2.084
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.907								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	15	14.	14.12	20.	9.	8.795	2.966	9.6	12.	16.	18.2
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	15	32.5	32.513	35.5	30.	2.146	1.465	30.12	31.5	33.	34.9
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	16	3.	24.25	240.	1.	3673.667	60.611	1.	1.25	11.	127.3
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	16	0.452	0.691	2.38	0.	0.496	0.704	0.	0.075	1.041	2.042
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.905								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16 ##	1.	2.563	11.	1.	11.463	3.386	1.	1.	2.	11.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16 ##	0.	0.205	1.041	0.	0.136	0.369	0.	0.	0.301	1.041
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.605								

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Annual Analysis for 1995 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	11	14.5	14.636	19.5	10.	11.855	3.443	10.2	11.	18.	19.4
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	11	29.	28.818	33.5	24.	7.114	2.667	24.3	27.	31.	33.
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	15	7.	92.533	920.	1.	56189.981	237.044	1.	1.	45.	500.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	15	0.845	0.984	2.964	0.	0.904	0.951	0.	0.	1.653	2.591
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.641								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	15	2.	66.6	920.	1.	55771.686	236.16	1.	1.	11.	380.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	15	0.301	0.65	2.964	0.	0.653	0.808	0.	0.	1.041	1.979
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.469								

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Annual Analysis for 1996 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	16	17.	15.906	20.	11.	8.741	2.956	11.35	12.5	18.	20.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	16	28.5	27.656	34.	20.	12.824	3.581	21.4	26.	30.	31.55
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	17	2.	334.706	5400.	1.	1704851.471	1305.7	1.	1.	33.	1184.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	17	0.301	0.798	3.732	0.	1.133	1.064	0.	0.	1.519	2.438
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.275								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	17 ##	1.	15.882	230.	1.	3059.485	55.313	1.	1.	2.	59.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	17 ##	0.	0.323	2.362	0.	0.385	0.621	0.	0.	0.301	1.457
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.105								

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Annual Analysis for 1997 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	13	18.	17.385	27.	10.	26.256	5.124	10.2	12.	21.25	25.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	13	32.	31.231	36.	14.	30.692	5.54	20.4	30.5	34.	36.
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	16 ##	1.	9.625	130.	1.	1031.983	32.124	1.	1.	2.	43.2
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	16 ##	0.	0.256	2.114	0.	0.293	0.541	0.	0.	0.301	1.179
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.803								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16 ##	1.	1.813	11.	1.	6.163	2.482	1.	1.	1.75	4.7
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	16 ##	0.	0.122	1.041	0.	0.075	0.273	0.	0.	0.226	0.523
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.323								

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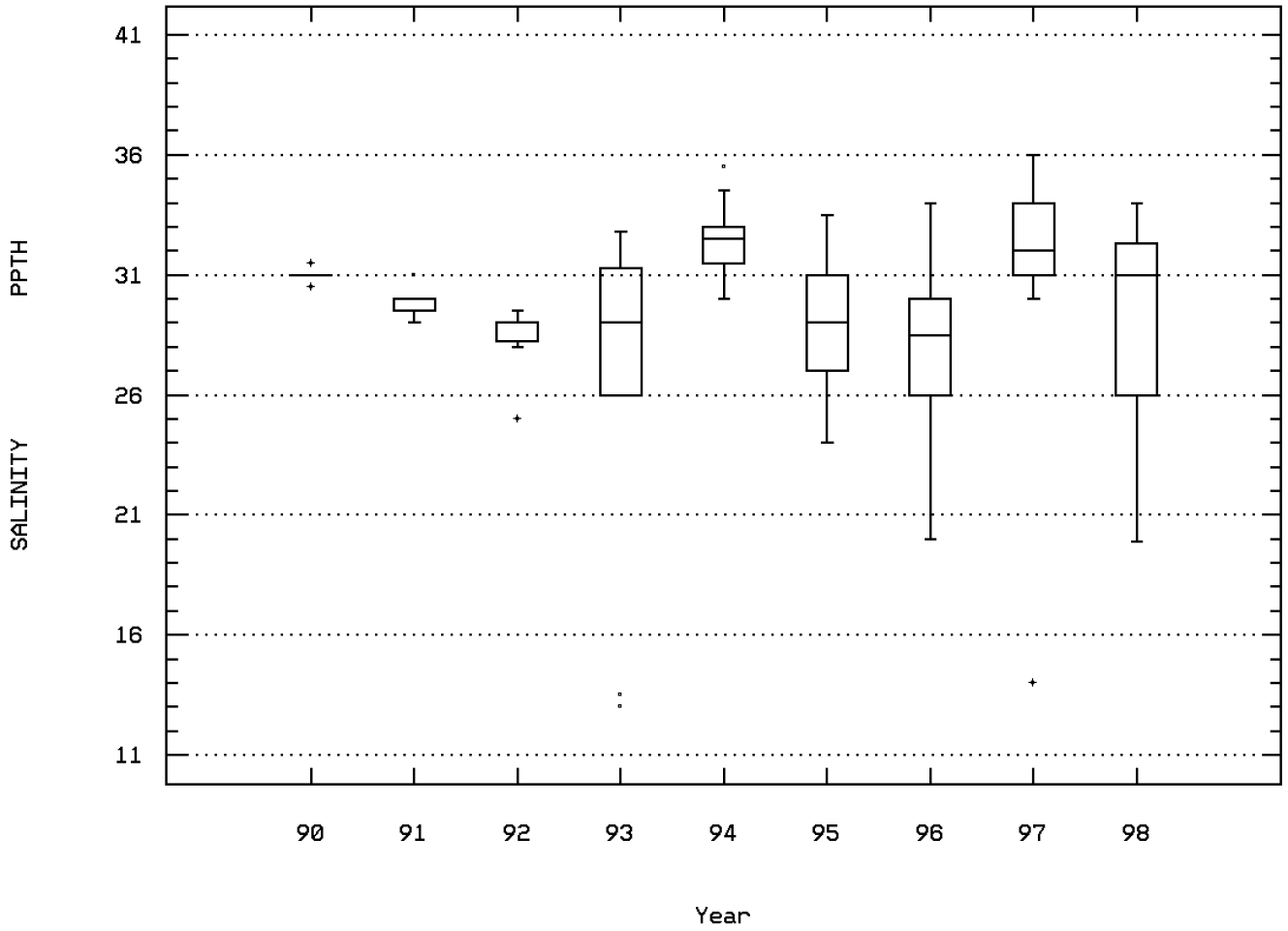
Annual Analysis for 1998 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	11	14.	14.064	18.	9.	7.545	2.747	9.4	12.	15.5	18.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	13	31.	28.862	34.	19.9	18.288	4.276	21.94	26.	32.65	33.6
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	13	4.	50.538	490.	1.	17985.103	134.109	1.	2.	31.	325.6
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	13	0.602	0.823	2.69	0.	0.669	0.818	0.	0.301	1.402	2.373
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.658								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	14	2.	5.357	33.	1.	78.093	8.837	1.	1.	5.75	23.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	14	0.301	0.391	1.519	0.	0.247	0.497	0.	0.	0.712	1.316
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.463								

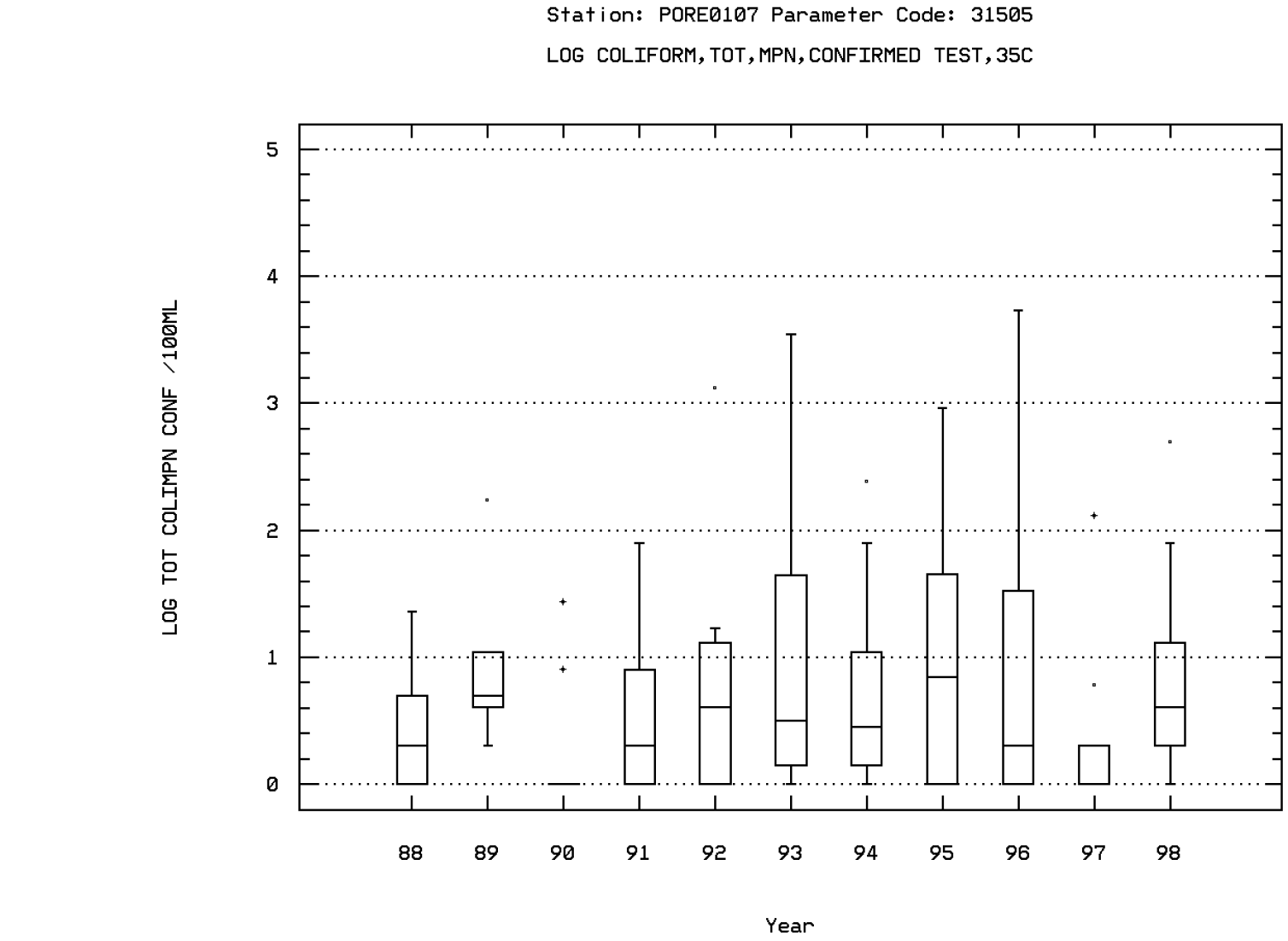
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0107 Parameter Code: 00480

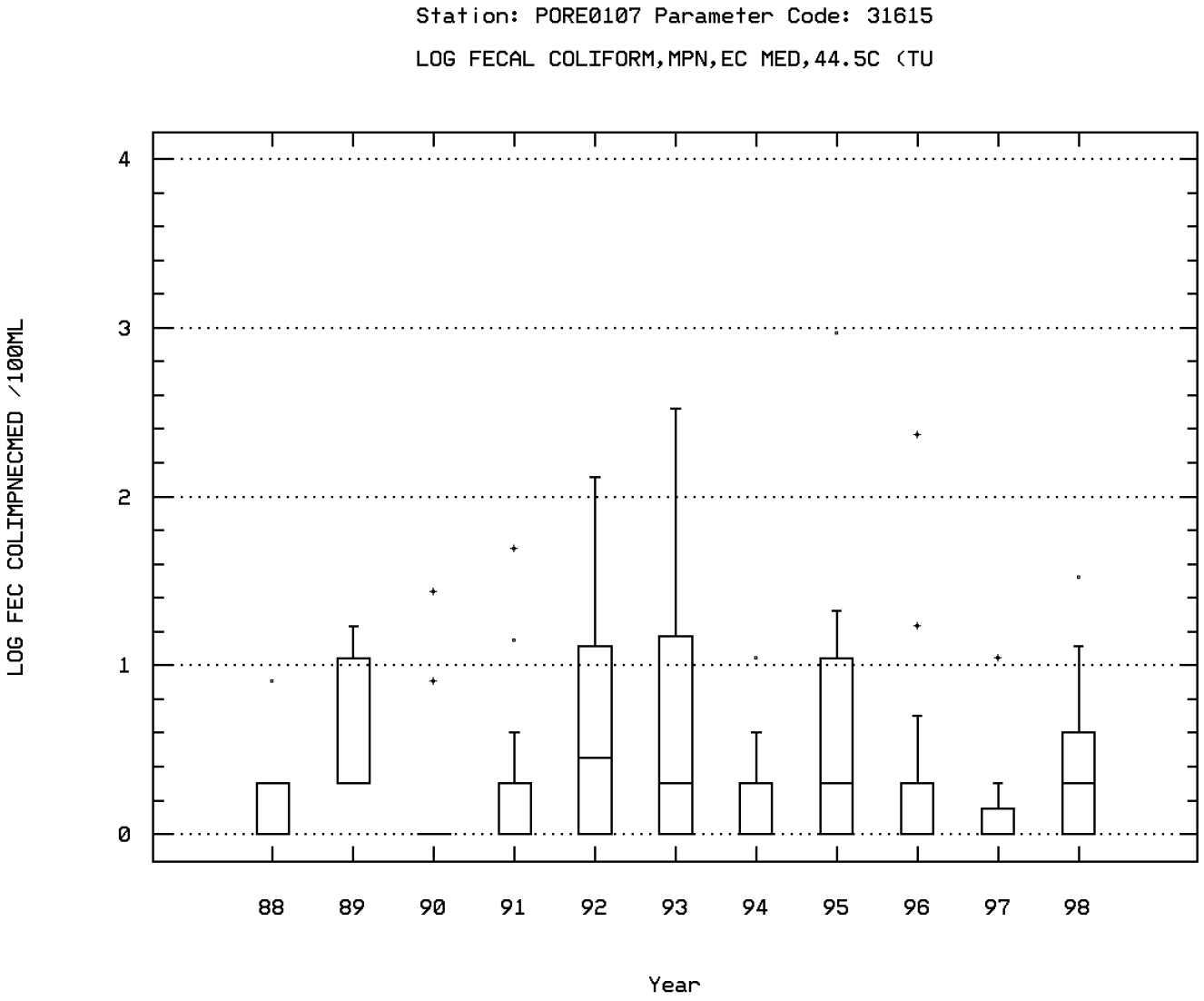
SALINITY - PARTS PER THOUSAND



DRAKES ESTERO SAMPLING SITE #7



DRAKES ESTERO SAMPLING SITE #7



DRAKES ESTERO SAMPLING SITE #7

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	41	17.	17.776	27.	14.	5.717	2.391	15.	16.5	19.	20.4
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	43	30.	30.821	36.	26.	6.481	2.546	28.	29.	33.	34.3
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	53 ##	1.	4.906	79.	1.	143.702	11.988	1.	1.	3.	8.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	53 ##	0.	0.309	1.898	0.	0.204	0.452	0.	0.	0.452	0.903
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.039								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	53 ##	1.	2.17	27.	1.	17.259	4.154	1.	1.	2.	2.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	53 ##	0.	0.149	1.431	0.	0.085	0.292	0.	0.	0.301	0.301
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.408								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	29	11.	11.966	18.	7.8	7.541	2.746	9.	10.	13.5	16.5
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	29	31.	30.276	34.	20.	6.531	2.556	28.5	29.	31.75	32.5
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	37	8.	188.73	5400.	1.	798853.425	893.786	1.	1.5	29.5	87.2
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	37	0.903	0.921	3.732	0.	0.764	0.874	0.	0.151	1.467	1.828
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			8.339								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	38	2.	35.368	920.	1.	23079.915	151.921	1.	1.	11.5	17.4
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	38	0.301	0.59	2.964	0.	0.47	0.686	0.	0.	1.06	1.24
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.891								

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

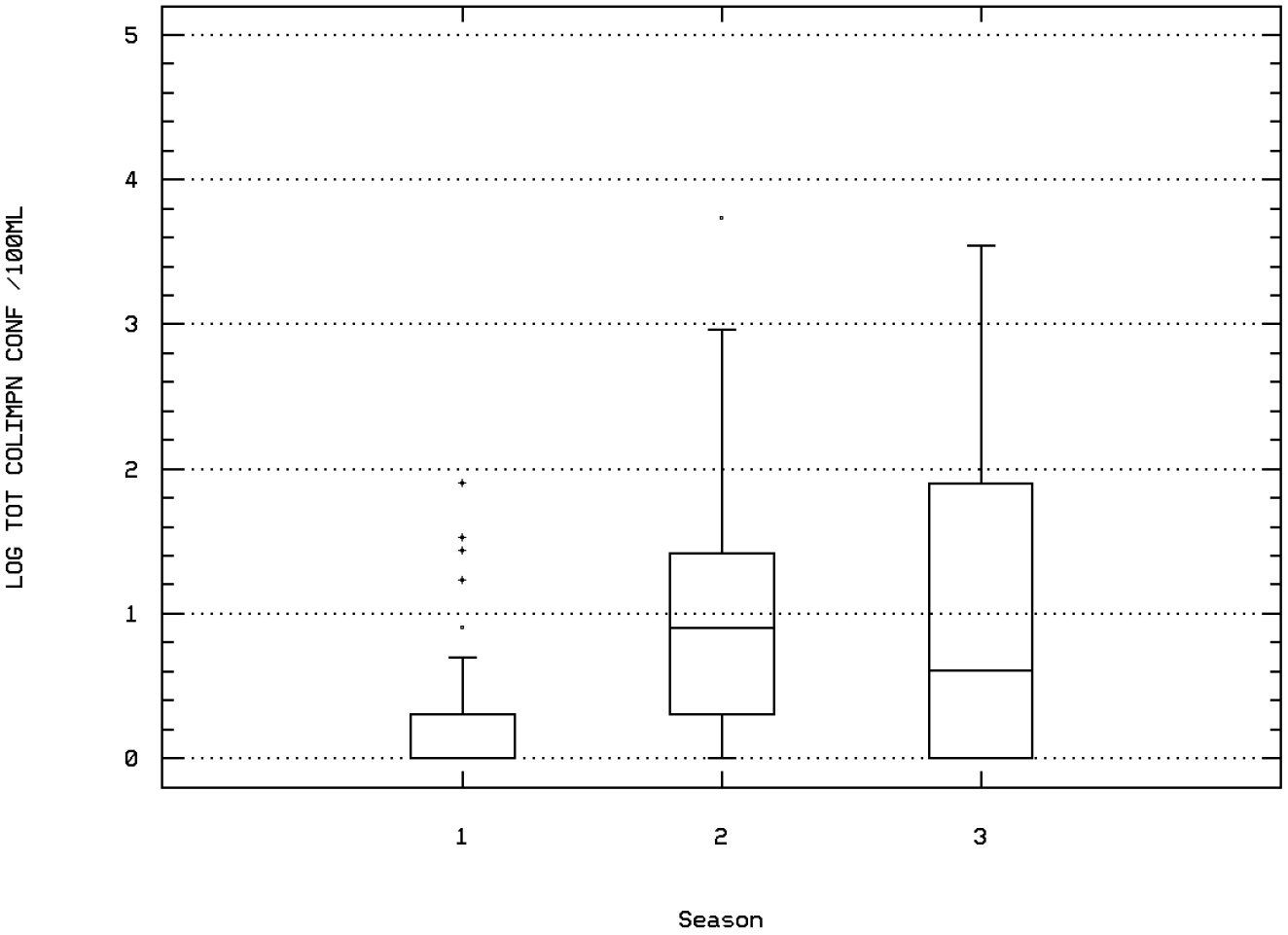
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	29	14.	15.038	27.5	11.	15.292	3.911	11.8	12.25	15.75	19.5
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	30	26.	26.507	33.5	13.	32.379	5.69	14.59	24.75	31.625	32.98
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-12/08/98	45	4.	156.511	3500.	1.	306265.346	553.412	1.	1.	79.	328.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-12/08/98	45	0.602	0.984	3.544	0.	0.996	0.998	0.	0.	1.898	2.482
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.631								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	45	2.	17.978	330.	1.	2830.113	53.199	1.	1.	9.5	49.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-12/08/98	45	0.301	0.547	2.519	0.	0.447	0.669	0.	0.	0.972	1.69
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.524								

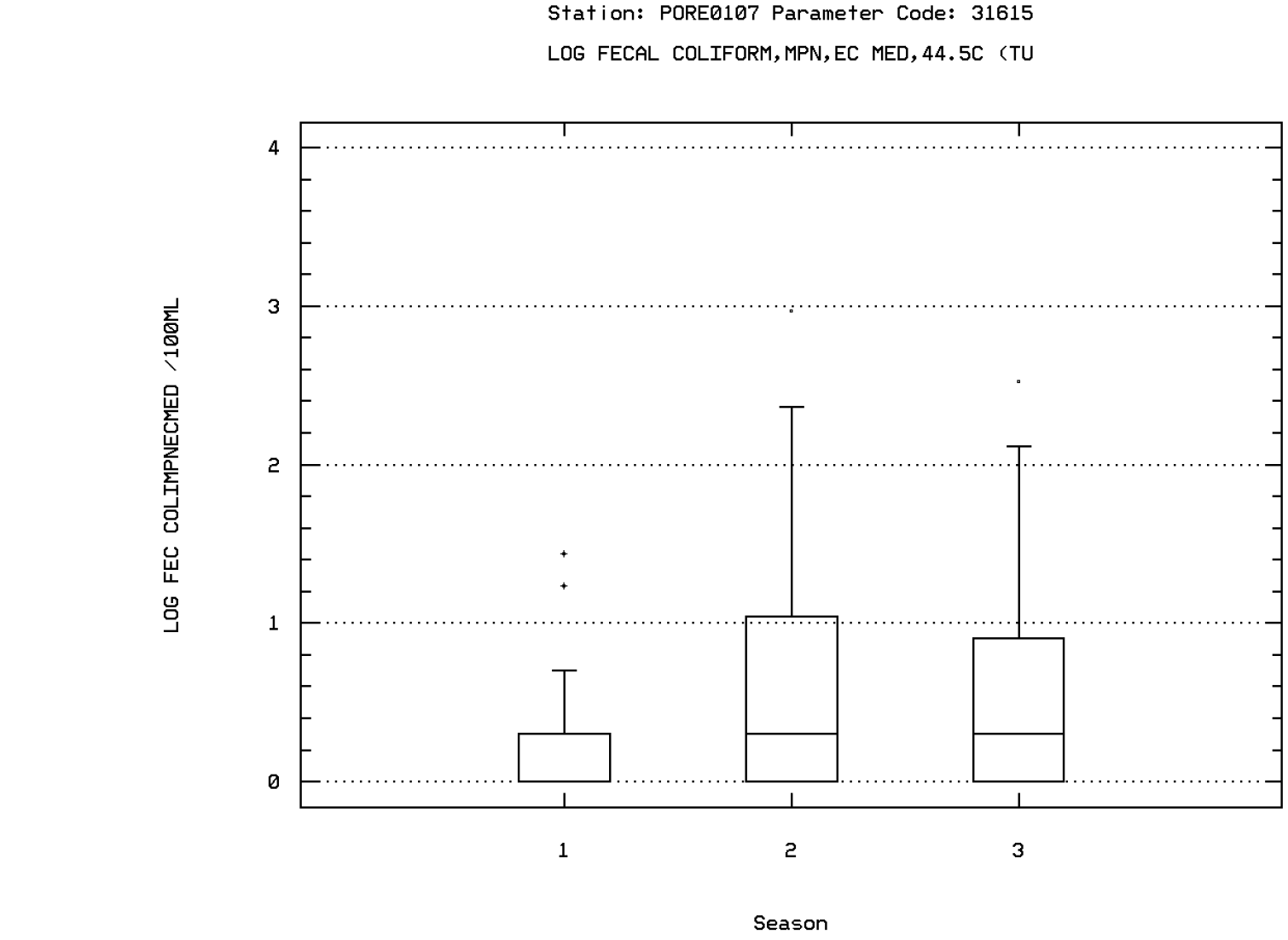
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0107 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



DRAKES ESTERO SAMPLING SITE #7



DRAKES ESTERO SAMPLING SITE #7

Station Inventory for Station: PORE0108

NPS Station ID: PORE0108
LAT/LON: 38.064727/-122.804171
Agency: 21CAL-1
Date Created: 09/22/79
Location: LAGUINTAS CREEK AT HWY 1
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1119001 /2011308
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005003
RF1 Mile Point: 2.630
Distance from RF1: 0.40
On/Off RF1: OFF
RF3 Index: 18050002003501.23
RF3 Mile Point: 1.23
Distance from RF3: 0.02
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 0 ;
STATION NAME: LAGUINTAS CR A HWY 1, POINT REYES; DWR COUNTY CODE: 21; LATITUDE: 380353; LONGITUDE: 1224815;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03N, RANGE 09, SECTION 36FBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/54-02/17/54	1	53.6	53.6	53.6	53.6	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	02/17/54-02/17/54	1	480.	480.	480.	480.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/17/54-02/17/54	1	106.	106.	106.	106.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/17/54-02/17/54	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/17/54-02/17/54	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/17/54-02/17/54	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/17/54-02/17/54	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/17/54-02/17/54	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/17/54-02/17/54	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/17/54-02/17/54	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/17/54-02/17/54	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/17/54-02/17/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/17/54-02/17/54	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/17/54-02/17/54	1	110.	110.	110.	110.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	02/17/54-02/17/54	1	36.	36.	36.	36.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/17/54-02/17/54	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0109

NPS Station ID: PORE0109
Location: LAGUINTAS CREEK AT HWY 1
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 18050005
Major Basin: CALIFORNIA
Minor Basin: SAN FRANCISCO BAY REGION
RF1 Index: 18050005003
RF3 Index: 18050005002300.00
Description:

LAT/LON: 38.064727/-122.804171
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 2.630
RF3 Mile Point: 1.84

Agency: 21CAL-4
FIPS State/County: 06041 CALIFORNIA/MARIN
STORET Station ID(s): WB02E1119001
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 16.50
Distance from RF3: 0.03

Date Created: 06/28/80
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: PORE0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	12.25	12.25	12.8	11.7	0.605	0.778	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	51.	51.667	53.	51.	1.333	1.155	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	20.	113.333	300.	20.	26133.333	161.658	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	283.	338.	528.	145.	26594.5	163.078	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	9.2	9.28	10.	8.6	0.427	0.653	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.3	7.4	7.1	0.015	0.122	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.285	7.4	7.1	0.015	0.124	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.05	0.052	0.079	0.04	0.	0.016	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3 ##	0.02	0.06	0.14	0.02	0.005	0.069	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	2400.	5120.	16000.	1300.	37597000.	6131.639	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.38	3.525	4.204	3.114	0.168	0.41	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3345.883								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	2400.	3158.	9200.	490.	12056320.	3472.221	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	3.38	3.306	3.964	2.69	0.215	0.464	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2021.482								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/24/77-02/24/77	1	130.	130.	130.	130.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/24/77-02/24/77	1	2.114	2.114	2.114	2.114	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			130.								
31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/24/77-02/24/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31678	LOG FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATI	02/24/77-02/24/77	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31678	GM FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATIO	GEOMETRIC MEAN =			2.								

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

EPA Water Quality Criteria Analysis for Station: PORE0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				3	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PORE0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	5	1.00				3	3	1.00	2	2	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	5	1.00				3	3	1.00	2	2	1.00			

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

Station Inventory for Station: PORE0110

NPS Station ID: PORE0110
LAT/LON: 38.064893/-122.803892
Agency: 11NPSWRD
Date Created: 07/24/99
Location: LAGUNITAS CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_LACR
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LAGUNITAS CREEK OUTSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." SAMPLE FRACTIONS ANALYZED WERE NOT STATED BY THE REPORT; THEREFORE; THEY WERE ASSUMED. FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/54-02/17/54	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/17/54-02/17/54	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/17/54-02/17/54	1	106.	106.	106.	106.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	02/17/54-02/17/54	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/17/54-02/17/54	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/17/54-02/17/54	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/17/54-02/17/54	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/17/54-02/17/54	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/17/54-02/17/54	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/17/54-02/17/54	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/17/54-02/17/54	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/17/54-02/17/54	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	02/17/54-02/17/54	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/17/54-02/17/54	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/17/54-02/17/54	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/17/54-02/17/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/17/54-02/17/54	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/17/54-02/17/54	1	110.	110.	110.	110.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/17/54-02/17/54	1	66.	66.	66.	66.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/17/54-02/17/54	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0111

NPS Station ID: PORE0111
LAT/LON: 38.065365/-122.954699
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #15
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE15
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE FIFTEEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/95-12/08/98	44	16.5	15.955	24.	9.	12.639	3.555	11.	12.775	18.75	20.25
00480	SALINITY - PARTS PER THOUSAND	07/26/95-12/08/98	45	30.	29.242	37.	15.	20.341	4.51	23.2	27.5	31.8	35.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/26/95-12/08/98	51	2.	126.588	2400.	1.	223831.007	473.108	1.	1.	17.	180.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/26/95-12/08/98	51	0.301	0.701	3.38	0.	0.913	0.955	0.	0.	1.23	2.255
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.019								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/26/95-12/08/98	52 ##	1.	23.519	920.	1.	16205.353	127.3	1.	1.	2.	33.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/26/95-12/08/98	52 ##	0.	0.355	2.964	0.	0.41	0.64	0.	0.	0.301	1.519
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.265								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	28 ##	1.	8.893	49.	1.	218.544	14.783	1.	1.	8.	34.3

** - 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: PORE0111

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	51	2	0.04	22	0	0.00	14	1	0.07	15	1	0.07			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	52	1	0.02	22	0	0.00	15	1	0.07	15	0	0.00			

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

Station Inventory for Station: PORE0112

NPS Station ID: PORE0112 | LAT/LON: 38.065726/-122.935227 | Agency: 11NPSWRD | Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #2 | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_CADHS_DE2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE TWO IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0112

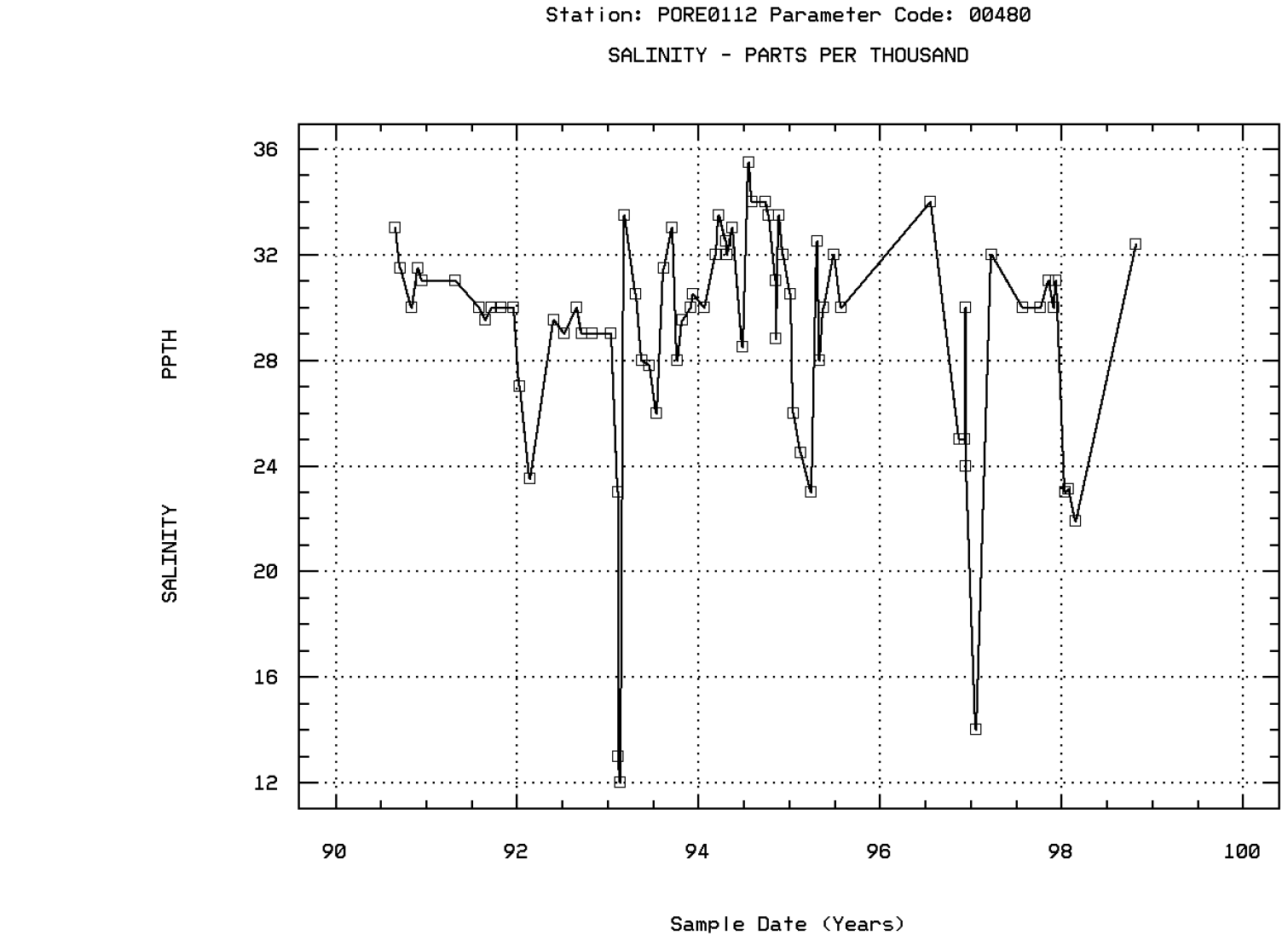
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	74	14.7	14.786	27.	8.	13.108	3.62	10.	12.375	17.075	19.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	73	30.	28.993	35.5	12.	20.625	4.541	23.04	28.	32.	33.5
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	99	2.	93.626	5400.	1.	308454.89	555.387	1.	1.	13.	130.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	99	0.301	0.707	3.732	0.	0.663	0.814	0.	0.	1.114	2.114
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.089								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	100	2.	19.39	790.	1.	7683.311	87.654	1.	1.	5.	17.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	100	0.301	0.483	2.898	0.	0.375	0.612	0.	0.	0.699	1.23
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.044								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	13 ##	1.	17.692	110.	1.	1228.731	35.053	1.	1.	15.	97.6

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

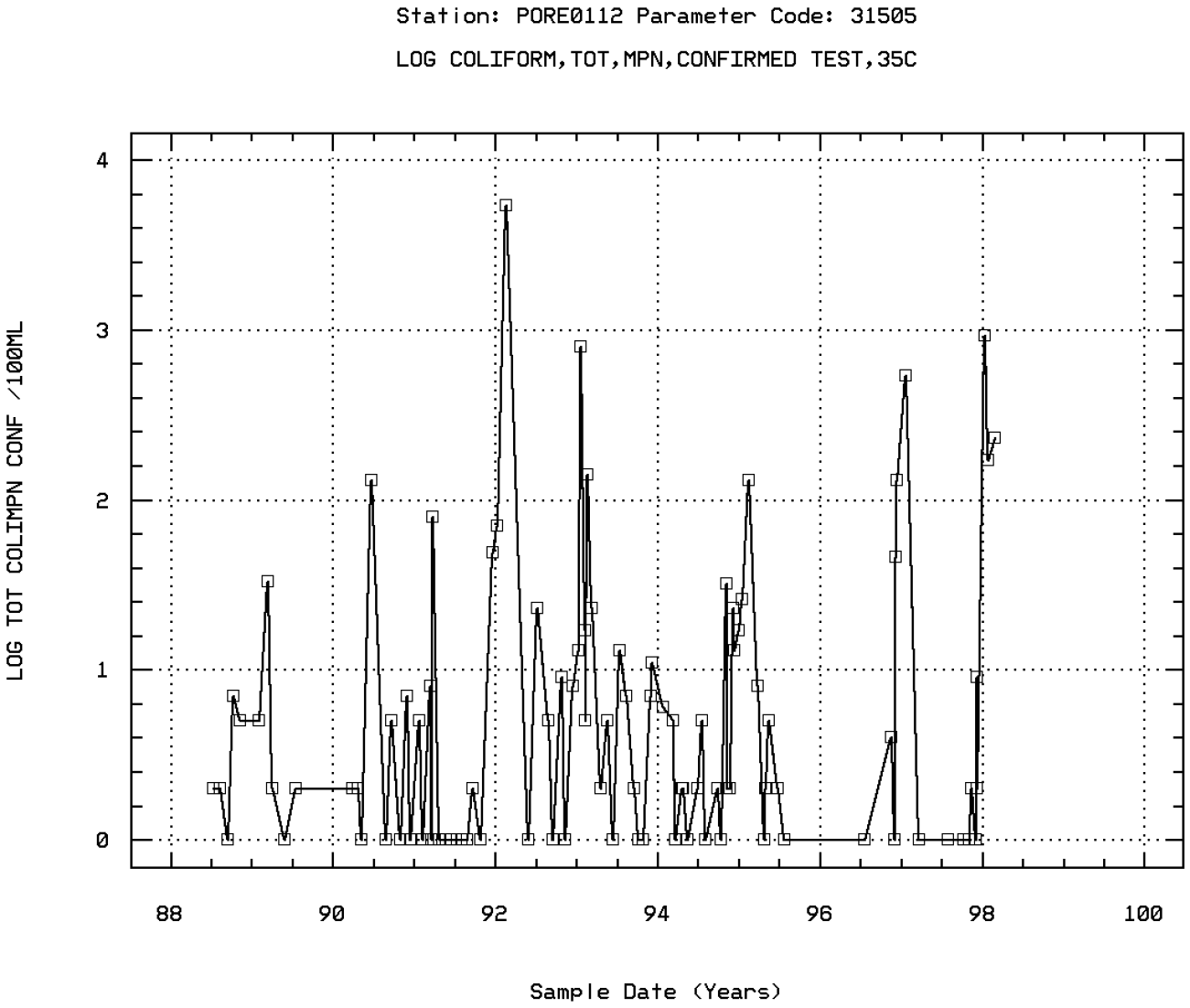
EPA Water Quality Criteria Analysis for Station: PORE0112

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	99	1	0.01	34	0	0.00	32	0	0.00	33	1	0.03			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	100	2	0.02	34	0	0.00	33	0	0.00	33	2	0.06			

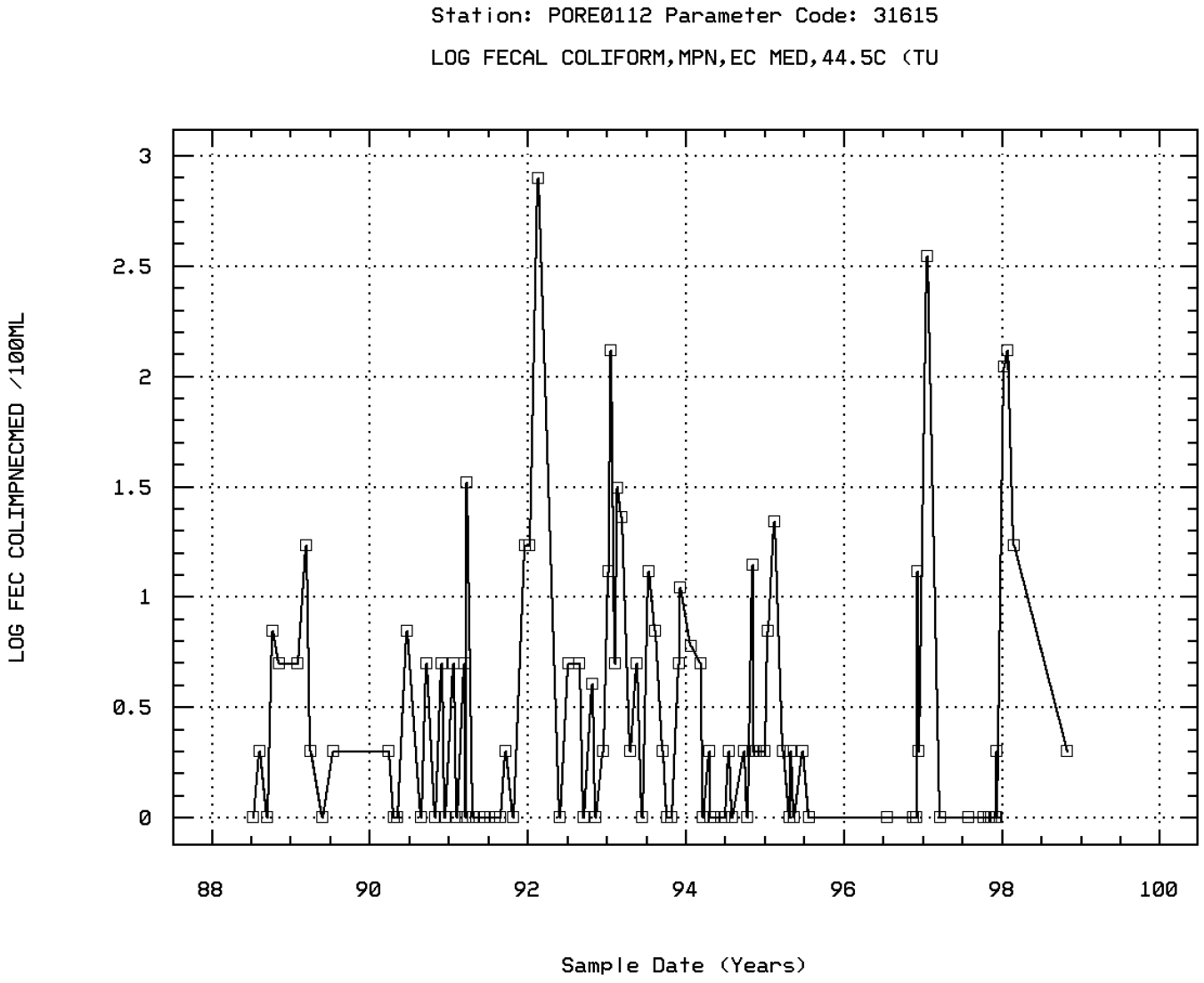
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



DRAKES ESTERO SAMPLING SITE #2



DRAKES ESTERO SAMPLING SITE #2



DRAKES ESTERO SAMPLING SITE #2

Annual Analysis for 1988 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5	2.	3.4	7.	1.	6.3	2.51	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5	0.301	0.429	0.845	0.	0.116	0.34	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.687								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5	2.	3.2	7.	1.	7.2	2.683	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5	0.301	0.369	0.845	0.	0.153	0.391	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.339								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5	2.	8.6	33.	1.	188.3	13.722	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5	0.301	0.564	1.519	0.	0.346	0.589	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.664								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5	2.	5.4	17.	1.	44.3	6.656	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5	0.301	0.506	1.23	0.	0.226	0.475	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.208								

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

Annual Analysis for 1990 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	2.	16.667	130.	1.	1810.75	42.553	1.	1.	6.	130.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9	0.301	0.473	2.114	0.	0.48	0.692	0.	0.	0.772	2.114
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.974								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	1.	2.667	7.	1.	5.5	2.345	1.	1.	5.	7.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	0.	0.283	0.845	0.	0.133	0.364	0.	0.	0.699	0.845
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.917								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	13 ##	1.	11.615	79.	1.	582.423	24.133	1.	1.	6.5	67.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	13 ##	0.	0.422	1.898	0.	0.461	0.679	0.	0.	0.801	1.815
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.645								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13 ##	1.	5.385	33.	1.	88.59	9.412	1.	1.	5.	26.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13 ##	0.	0.342	1.519	0.	0.28	0.53	0.	0.	0.699	1.403
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.199								

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

Annual Analysis for 1992 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	8.	613.111	5400.	1.	3222806.861	1795.218	1.	1.	46.5	5400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9	0.903	1.055	3.732	0.	1.423	1.193	0.	0.	1.603	3.732
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			11.352								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9	4.	91.778	790.	1.	68581.694	261.881	1.	1.	11.	790.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9	0.602	0.714	2.898	0.	0.843	0.918	0.	0.	0.965	2.898
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.18								

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

Annual Analysis for 1993 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16	7.	64.875	790.	1.	38519.717	196.264	1.	2.	16.	335.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16	0.845	0.912	2.898	0.	0.614	0.784	0.	0.301	1.201	2.372
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			8.17								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16	5.	15.938	130.	1.	996.329	31.565	1.	2.	13.	60.7
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16	0.699	0.78	2.114	0.	0.349	0.59	0.	0.301	1.114	1.678
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.025								

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

Annual Analysis for 1994 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16	2.	6.25	32.	1.	80.733	8.985	1.	1.25	5.75	25.7
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16	0.301	0.498	1.505	0.	0.235	0.485	0.	0.075	0.758	1.405
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.146								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16	2.	2.813	14.	1.	10.963	3.311	1.	1.	2.	8.4
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16	0.301	0.296	1.146	0.	0.11	0.331	0.	0.	0.301	0.889
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.975								

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

Annual Analysis for 1995 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	5.	21.333	130.	1.	1733.5	41.635	1.	1.5	21.5	130.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9	0.699	0.774	2.114	0.	0.51	0.714	0.	0.151	1.323	2.114
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.939								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9	2.	4.444	22.	1.	46.778	6.839	1.	1.	4.5	22.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9	0.301	0.377	1.342	0.	0.2	0.447	0.	0.	0.573	1.342
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.381								

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

Annual Analysis for 1996 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5	4.	36.4	130.	1.	3102.3	55.698	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5	0.602	0.876	2.114	0.	0.94	0.97	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7.512								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	1.	3.6	13.	1.	27.8	5.273	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	0.	0.283	1.114	0.	0.233	0.482	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.919								

** - 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

Annual Analysis for 1997 - Station PORE0112

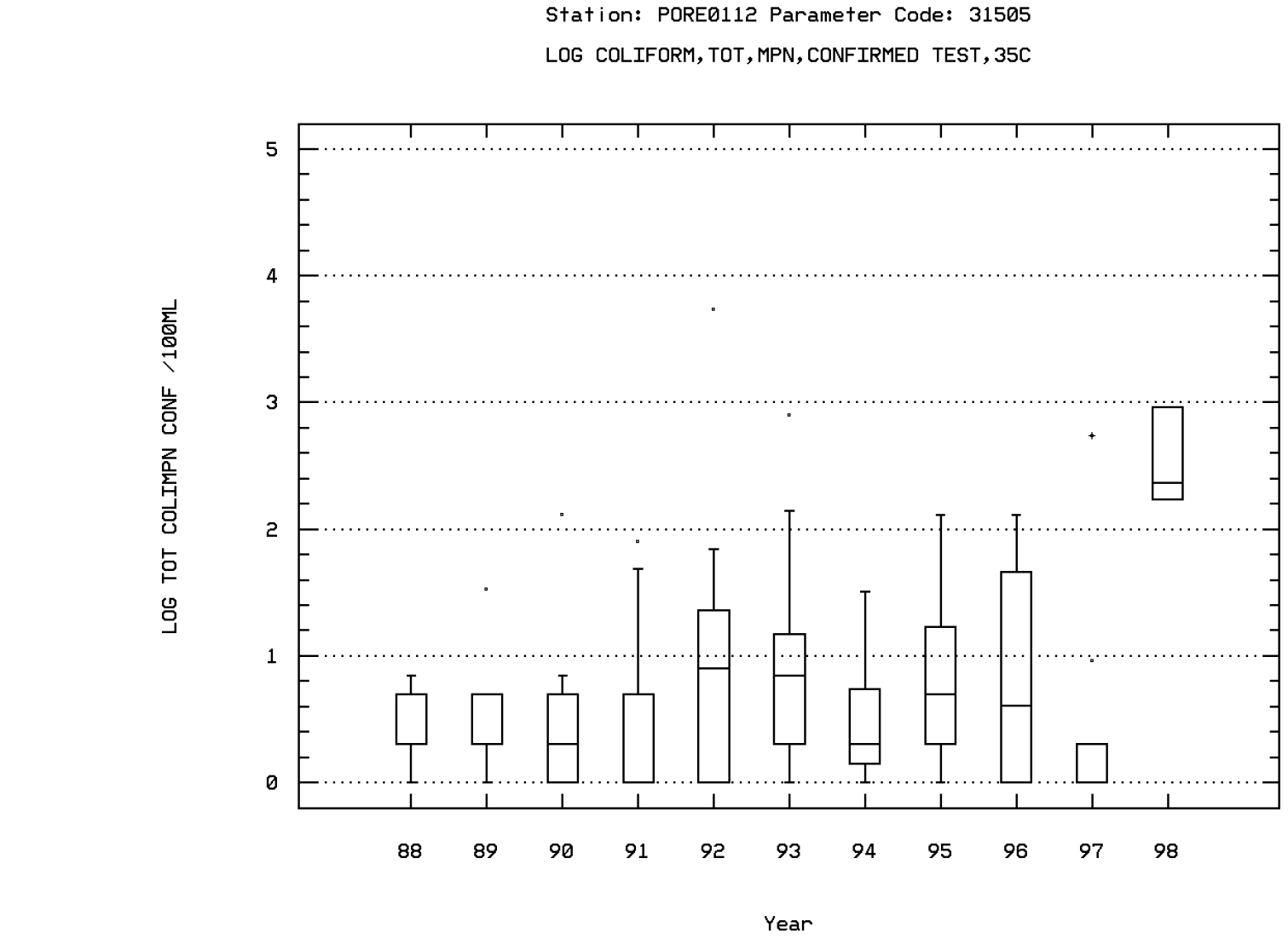
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9 ##	1.	62.	540.	1.	32137.25	179.269	1.	1.	5.5	540.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9 ##	0.	0.477	2.732	0.	0.814	0.902	0.	0.	0.628	2.732
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.996								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	1.	39.889	350.	1.	13523.861	116.292	1.	1.	1.5	350.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	0.	0.316	2.544	0.	0.708	0.841	0.	0.	0.151	2.544
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.071								

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

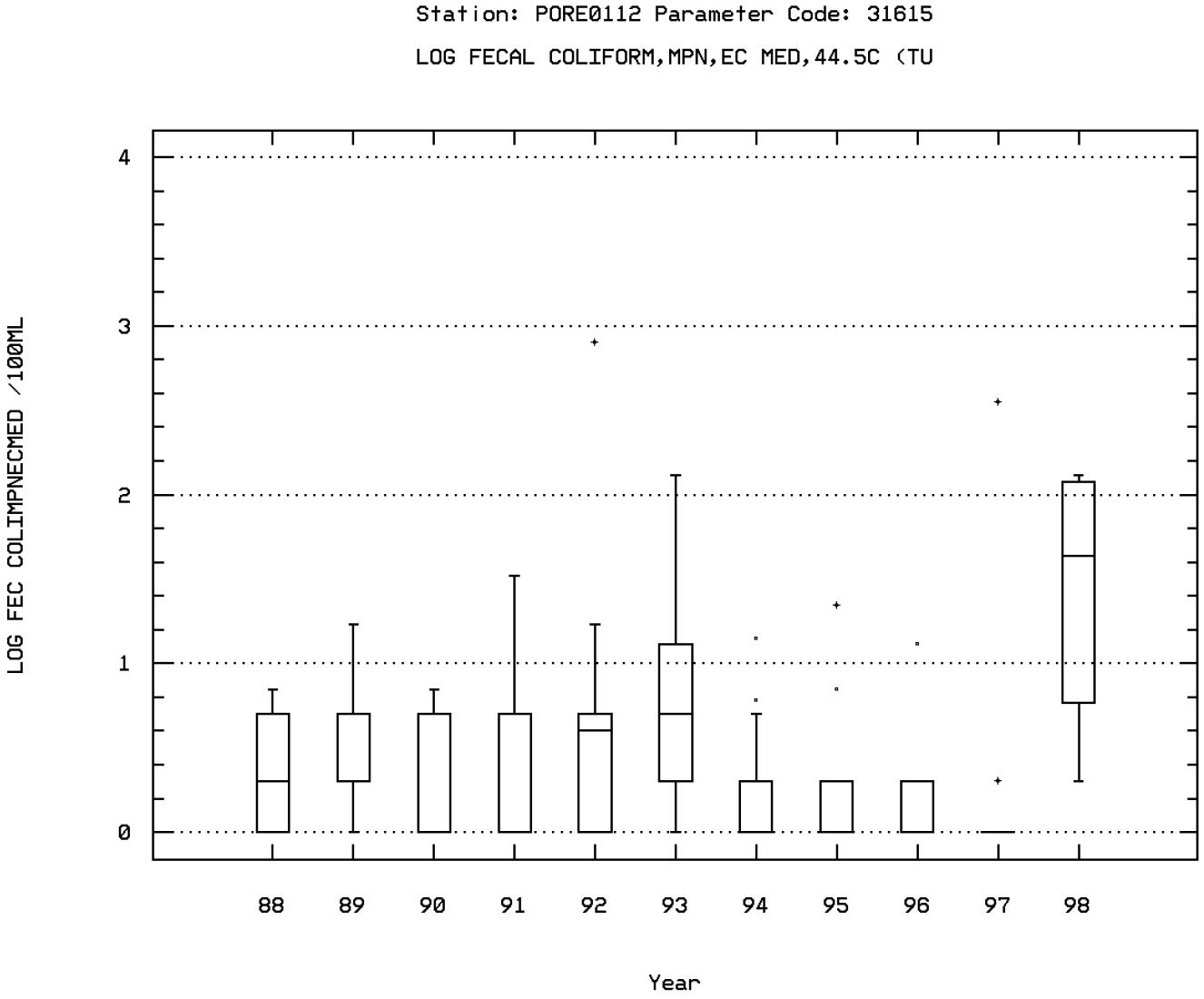
Annual Analysis for 1998 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	3	230.	440.	920.	170.	173700.	416.773	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	3	2.362	2.519	2.964	2.23	0.153	0.391	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			330.107								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	4	63.5	64.75	130.	2.	4174.25	64.608	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	4	1.636	1.422	2.114	0.301	0.719	0.848	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			26.406								

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



DRAKES ESTERO SAMPLING SITE #2



DRAKES ESTERO SAMPLING SITE #2

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	26	17.4	17.319	21.	14.	3.158	1.777	15.	16.	19.	19.65
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	26	30.	30.646	35.5	26.	5.459	2.337	27.94	29.	33.	34.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	34 ##	1.5	6.794	130.	1.	492.471	22.192	1.	1.	5.	10.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	34 ##	0.151	0.333	2.114	0.	0.232	0.482	0.	0.	0.699	0.98
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.155								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	34 ##	1.	2.382	13.	1.	6.728	2.594	1.	1.	2.	6.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	34 ##	0.	0.227	1.114	0.	0.106	0.326	0.	0.	0.301	0.772
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.685								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0112

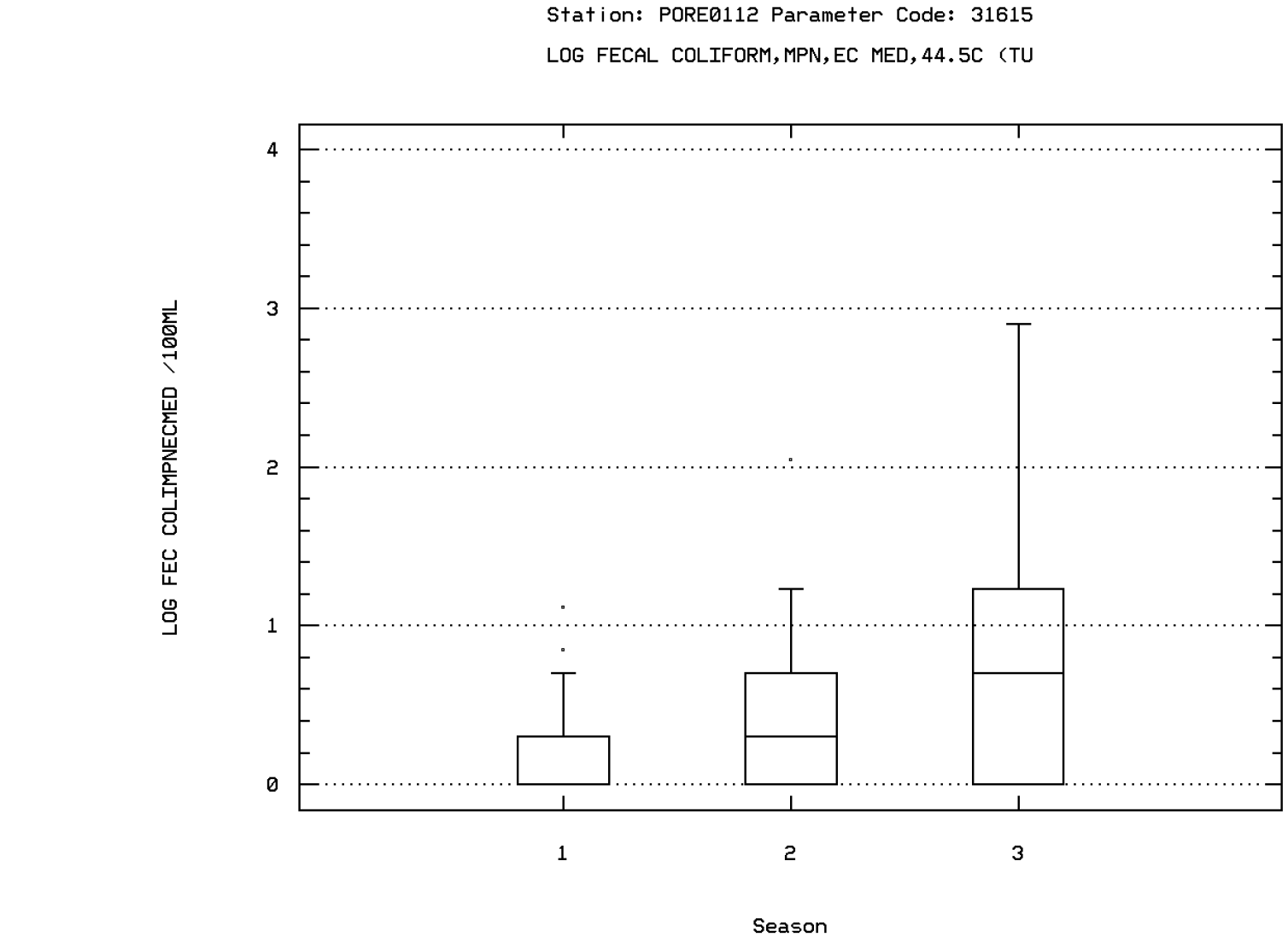
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	27	12.5	12.2	16.	8.	5.449	2.334	9.2	10.	14.	15.6
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	26	30.	29.546	33.5	23.	7.334	2.708	24.7	28.95	31.	32.73
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	32	7.	43.656	920.	1.	26273.201	162.09	1.	1.	16.	63.7
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	32	0.845	0.797	2.964	0.	0.554	0.744	0.	0.	1.201	1.799
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.262								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33	2.	7.606	110.	1.	362.871	19.049	1.	1.	6.	15.8
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33	0.301	0.46	2.041	0.	0.264	0.514	0.	0.	0.772	1.197
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.882								

** - Less than 9 observations ## - Computed with 50% or more 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: 1/15 to 5/14 - Station PORE0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	21	14.	14.976	27.	11.	19.404	4.405	11.16	12.25	15.25	25.2
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	21	28.	26.262	33.5	12.	46.476	6.817	13.2	23.	32.	33.3
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	33	5.	231.545	5400.	1.	888558.881	942.634	1.	2.	56.	416.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	33	0.699	1.004	3.732	0.	1.008	1.004	0.	0.301	1.708	2.584
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10.088								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33	5.	48.697	790.	1.	22064.155	148.54	1.	1.	19.5	130.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33	0.699	0.772	2.898	0.	0.63	0.794	0.	0.	1.286	2.114
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.912								

** - 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



DRAKES ESTERO SAMPLING SITE #2

Station Inventory for Station: PORE0113

NPS Station ID: PORE0113
LAT/LON: 38.068059/-122.701392
Agency: 11EPALES
Date Created: / /
Location: HALLECK CREEK
FIPS State/County: 06000 CALIFORNIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 0617B1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: T/NICASIO RESERVOIR
Elevation: 0
Water Body Id:
Minor Basin: SEC RD BRDG .4 MI NW OF NICASIO
ECO Region:
RF1 Index: 18050005011
RF1 Mile Point: 0.100
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005001000.37
RF3 Mile Point: 0.38
Distance from RF3: 0.05
On/Off RF3:
Description:
SAMPLE FROM BRDG ON SECONDARY HWY 0.4 MI NW OF NICASIO 4.5 MI NW OF SAN GERONIMO T3N R8W

Parameter Inventory for Station: PORE0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/07/74-07/12/75	12	0.025	0.024	0.045	0.004	0.	0.013	0.005	0.015	0.032	0.045
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/07/74-12/07/74	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/07/74-07/12/75	12	0.9	1.296	3.5	0.5	0.83	0.911	0.5	0.712	1.95	3.14
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/07/74-07/12/75	12	0.32	0.39	0.99	0.03	0.099	0.314	0.033	0.13	0.63	0.927
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/07/74-07/12/75	10	0.03	0.047	0.13	0.015	0.001	0.038	0.016	0.02	0.08	0.125
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/07/74-07/12/75	12	0.019	0.023	0.04	0.015	0.	0.009	0.015	0.015	0.033	0.039

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

EPA Water Quality Criteria Analysis for Station: PORE0113

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
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.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			

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

Station Inventory for Station: PORE0114

NPS Station ID: PORE0114 LAT/LON: 38.069003/-122.769809 Agency: 11NPSWRD Date Created: 07/18/98
Location: LAGUNITAS CREEK AT TOCALOMA PIPELINE CROSSING FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_MMWD_TPC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LAGUNITAS CREEK AT THE TOCALOMA PIPELINE CROSSING APPROXIMATELY 500 FEET UPSTREAM FROM NICASIO CREEK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. WATER TEMPERATURE AND DISSOLVED OXYGEN CONCENTRATIONS WERE MEASURED AT THIS SITE IN THE FIELD TWICE WEEKLY FROM 9 JULY 1984 THROUGH 6 NOVEMBER 1984. MINIMUM AND MAXIMUM WATER TEMPERATURES THAT OCCURRED BETWEEN MEASUREMENTS WERE NOTED FROM RECORDING THERMOMETERS. THE RESULTS ARE IN "SUMMARY OF STUDY RESULTS AND PROPOSED MITIGATION MEASURES-LAGUNITAS CREEK BASIN MARIN COUNTY CALIFORNIA" BY BRATOVICH AND KELLEY (OCTOBER 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: PORE0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/09/84-11/06/84	28	62.	61.786	68.	54.	12.249	3.5	56.	60.	64.	65.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/84-11/06/84	26	8.4	8.538	10.8	7.5	0.614	0.784	7.57	8.	8.8	9.8
85334	TEMPERATURE-DEG F, MINIMUM WATER	07/09/84-10/31/84	27	58.	57.296	64.	50.	11.524	3.395	51.6	56.	59.	60.6
85335	TEMPERATURE- DEG F , MAXIMUM WATER	07/09/84-10/31/84	27	66.	64.741	71.	57.	14.584	3.819	57.8	62.	68.	70.

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

EPA Water Quality Criteria Analysis for Station: PORE0114

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	26	0	0.00	23	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: PORE0115

NPS Station ID: PORE0115 | LAT/LON: 38.069448/-122.762782 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: NICASIO C A PT REYES STA - PET BR | | FIPS State/County: 06041 CALIFORNIA/MARIN |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E1220001 /2011312 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050005 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: |
RF1 Index: 18050005005 | RF1 Mile Point: 0.520 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050005000400.00 | RF3 Mile Point: 4.10 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 40 ;
STATION NAME: NICASIO C A PT REYES STA - PET BR; DWR COUNTY CODE: 21; LATITUDE: 380410; LONGITUDE: 1224546;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03N, RANGE 08, SECTION 32BBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0115

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0116

NPS Station ID: PORE0116
LAT/LON: 38.069448/-122.762782
Agency: 21CAL-4
Date Created: 06/28/80
Location: NICASIO C A PT REYES STA-PET BR
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1220001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005005
RF1 Mile Point: 0.520
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005000400.00
RF3 Mile Point: 4.10
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	9.45	9.45	10.	8.9	0.605	0.778	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	51.	51.667	54.	50.	4.333	2.082	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	0.5	7.	20.	0.5	126.75	11.258	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	278.	271.2	348.	143.	7019.7	83.784	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	8.	7.18	9.8	5.	4.472	2.115	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.1	7.14	7.3	7.1	0.008	0.089	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.1	7.133	7.3	7.1	0.008	0.09	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.079	0.074	0.079	0.05	0.	0.013	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.13	0.63	1.74	0.02	0.927	0.963	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	2400.	7242.	24000.	120.	101105420.	10055.119	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.38	3.299	4.38	2.079	0.869	0.932	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1989.379								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	330.	609.8	1700.	49.	497730.2	705.5	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	2.519	2.42	3.23	1.69	0.504	0.71	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			263.259								

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

EPA Water Quality Criteria Analysis for Station: PORE0116

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------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				3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	3	0.60				3	2	0.67	2	1	0.50			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	3	0.60				3	2	0.67	2	1	0.50			

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

Station Inventory for Station: PORE0117

NPS Station ID: PORE0117
LAT/LON: 38.069448/-122.920031
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #10
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE10
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE TEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	20	12.25	14.585	25.	8.	27.485	5.243	9.05	10.75	19.375	23.8
00480	SALINITY - PARTS PER THOUSAND	01/09/92-10/27/98	19	29.	27.937	34.5	13.	34.392	5.865	14.	26.5	31.5	33.5
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	25	49.	451.4	2800.	1.	629961.083	793.701	1.	10.	535.	1980.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	25	1.69	1.738	3.447	0.	1.192	1.092	0.	0.98	2.672	3.29
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			54.713								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	26	10.	85.038	790.	1.	30276.118	174.	1.	1.	80.	330.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	26	0.98	1.074	2.898	0.	0.912	0.955	0.	0.	1.894	2.519
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.854								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	7 ##	1.	50.429	330.	1.	15232.619	123.42	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0117

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	25	5	0.20	2	0	0.00	10	2	0.20	13	3	0.23			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	26	4	0.15	2	0	0.00	11	2	0.18	13	2	0.15			

& - 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: 5/15 to 10/09 - Station PORE0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	2	21.25	21.25	22.	20.5	1.125	1.061	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/09/92-10/27/98	2	33.	33.	34.5	31.5	4.5	2.121	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			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: 10/10 to 1/14 - Station PORE0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	10	11.	11.74	19.	8.	11.209	3.348	8.1	9.375	13.6	18.64
00480	SALINITY - PARTS PER THOUSAND	01/09/92-10/27/98	9	31.	29.922	32.	26.5	4.329	2.081	26.5	28.	31.75	32.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	10	109.5	522.2	2800.	2.	905089.289	951.362	2.5	14.5	635.	2690.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	10	1.96	1.891	3.447	0.301	1.034	1.017	0.355	1.134	2.643	3.425
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			77.763								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	11	17.	81.091	330.	1.	16329.891	127.788	1.	2.	110.	330.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	11	1.23	1.177	2.519	0.	0.924	0.961	0.	0.301	2.041	2.519
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.021								

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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	8	14.	16.475	25.	11.5	31.691	5.629	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/09/92-10/27/98	8	26.	24.438	33.5	13.	56.46	7.514	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	13	70.	466.231	2400.	1.	542879.692	736.804	2.6	15.	945.	1960.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	13	1.845	1.888	3.38	0.	1.06	1.03	0.28	1.172	2.97	3.274
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			77.276								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	13	13.	101.308	790.	1.	47988.897	219.064	1.	1.5	101.5	566.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	13	1.114	1.152	2.898	0.	0.922	0.96	0.	0.151	1.874	2.683
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.194								

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

Station Inventory for Station: PORE0118

NPS Station ID: PORE0118
LAT/LON: 38.069642/-122.796866
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-006 POINT REYES UNDERGROUND STREAM-WELL 1
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/006-PRWELL1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 7.10
On/Off RF1:
RF3 Index: 18050005016500.54
RF3 Mile Point: 1.01
Distance from RF3: 0.05
On/Off RF3:
Description:
DIST 04 NORTH MARIN WATER DISTRICT-POINT REYES

Parameter Inventory for Station: PORE0118

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: PORE0119

NPS Station ID: PORE0119 LAT/LON: 38.069642/-122.796866 Agency: 21CAL-3 Date Created: 11/21/87
Location: 21-006 POINT REYES UNDERGROUND STREAM-WELL 2 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM STORET Station ID(s): D21/006-PRWELL2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.60 On/Off RF1:
RF3 Index: 18050005000302.29 RF3 Mile Point: 2.79 Distance from RF3: 0.03 On/Off RF3:
Description:
DIST 04 N. MARIN WATER DISTRICT-POINT REYES *EXCEEDS MN MCL

Parameter Inventory for Station: PORE0119

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: PORE0120

NPS Station ID: PORE0120 LAT/LON: 38.070003/-122.724170 Agency: 11EPALES Date Created: / /
Location: NICASIO RESERVOIR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 061703
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 36 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050005007 RF1 Mile Point: 2.270 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18050002096200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.10 On/Off RF3:
Description:
360 DEGREES FR BROWN HOUSE ON HILL AT 175 YDS; 50 YDS FR W BANK; 190 DEGREES FR BIG ROCK ON N SHORE. POWERLINES 300 YDS E OF STATION.
COMMENTS: 3-13 ULE 19, INTEG 15 FT. 6-26 ULE 19, DEPTH 33 FT.
11-11 ULE 19; 1% LIGHT, 4 FT; INTEG 15 FT; DEPTH 18 FT. MAP: SAN GERONIMO QUAD

Parameter Inventory for Station: PORE0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/75-11/11/75	11	15.1	14.655	18.9	11.3	7.423	2.724	11.38	11.7	16.7	18.76
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/13/75-11/11/75	11	74.	71.	81.	48.	112.2	10.592	49.4	69.	79.	80.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/13/75-11/11/75	3	15.	16.667	24.	11.	44.333	6.658	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/75-11/11/75	11	140.	140.818	169.	113.	529.364	23.008	113.2	114.	167.	169.
00300	OXYGEN, DISSOLVED MG/L	03/13/75-11/11/75	11	9.2	8.473	10.4	5.8	2.01	1.418	5.84	7.8	9.2	10.16
00400	PH (STANDARD UNITS)	03/13/75-11/11/75	11	7.7	7.8	8.15	7.6	0.051	0.225	7.6	7.6	8.1	8.14
00400	CONVERTED PH (STANDARD UNITS)	03/13/75-11/11/75	11	7.7	7.753	8.15	7.6	0.053	0.23	7.6	7.6	8.1	8.14
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/75-11/11/75	11	0.02	0.018	0.025	0.007	0.	0.008	0.007	0.008	0.025	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/75-11/11/75	11	67.	65.545	70.	60.	10.673	3.267	60.4	63.	68.	69.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/13/75-11/11/75	11	0.05	0.045	0.07	0.01	0.	0.019	0.012	0.03	0.06	0.068
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/75-11/11/75	11	0.5	0.473	0.8	0.3	0.024	0.156	0.3	0.3	0.6	0.76
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/75-11/11/75	11	0.21	0.245	0.5	0.01	0.042	0.206	0.01	0.01	0.49	0.498
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/75-11/11/75	10	0.064	0.079	0.123	0.048	0.001	0.032	0.048	0.05	0.113	0.122
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/13/75-11/11/75	11	0.011	0.025	0.058	0.006	0.	0.021	0.006	0.01	0.048	0.057
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	03/13/75-11/11/75	3	6.6	6.633	6.9	6.4	0.063	0.252	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	03/13/75-11/11/75	3	33.	29.	36.	18.	93.	9.644	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0120

Parameter				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
00400	PH	Fresh Chronic	9.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	4	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: PORE0121

NPS Station ID: PORE0121
LAT/LON: 38.070670/-122.908698
Agency: 11NPSWRD
Date Created: 10/13/99
Location: MAIN HOME CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM/NRSHRE
STORET Station ID(s): PORE_CADHS_MHC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. MAIN HOME CREEK IS AT A TRIBUTARY TO HOME BAY AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/94-02/10/98	7	13.	13.357	17.5	9.	9.143	3.024	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	03/22/94-02/10/98	7 ##	0.	0.429	1.	0.	0.286	0.535	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/26/93-02/24/98	19	5400.	7721.737	24000.	23.	54562302.871	7386.63	490.	2200.	9200.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/26/93-02/24/98	19	3.732	3.597	4.38	1.362	0.488	0.698	2.69	3.342	3.964	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3957.851								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/93-02/24/98	19	490.	2787.263	24000.	23.	31807434.76	5639.808	33.	230.	2800.	9200.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/93-02/24/98	19	2.69	2.791	4.38	1.362	0.732	0.855	1.519	2.362	3.447	3.964
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			618.215								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-02/24/98	6	640.	2756.667	9200.	170.	13867586.667	3723.921	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0121

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	19	17	0.89	3	3	1.00	7	7	1.00	9	7	0.78			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	19	15	0.79	3	3	1.00	7	6	0.86	9	6	0.67			

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

Station Inventory for Station: PORE0122

NPS Station ID: PORE0122 | LAT/LON: 38.071503/-122.954421 | Agency: 11NPSWRD | Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #11 | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_CADHS_DE11
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE ELEVEN IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	20	12.4	14.37	29.	7.	33.815	5.815	8.15	10.	18.375	23.4
00480	SALINITY - PARTS PER THOUSAND	01/09/92-10/27/98	18	29.	27.578	34.2	12.	36.487	6.04	13.8	25.5	31.125	34.02
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	24	18.5	248.583	2200.	1.	244309.993	494.277	1.	4.25	330.	865.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	24	1.266	1.405	3.342	0.	1.173	1.083	0.	0.626	2.519	2.935
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			25.384								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	25	4.	32.72	330.	1.	5155.627	71.803	1.	1.5	33.	122.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	25	0.602	0.79	2.519	0.	0.61	0.781	0.	0.151	1.519	2.083
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.162								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	6	2.	2.	4.	1.	1.2	1.095	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0122

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	24	1	0.04	2	0	0.00	9	0	0.00	13	1	0.08			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	25	1	0.04	2	0	0.00	10	0	0.00	13	1	0.08			

& - 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: 5/15 to 10/09 - Station PORE0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	2	20.75	20.75	22.5	19.	6.125	2.475	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	2	0.651	0.651	0.699	0.602	0.005	0.069	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.472								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	2	0.452	0.452	0.602	0.301	0.045	0.213	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.828								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	10	10.4	11.49	18.5	7.	12.552	3.543	7.1	9.125	14.475	18.15
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	9	33.	206.	940.	1.	106651.5	326.575	1.	5.	410.	940.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	9	1.519	1.517	2.973	0.	1.092	1.045	0.	0.602	2.604	2.973
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			32.889								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	10	2.	18.9	110.	1.	1192.989	34.54	1.	1.	33.	102.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	10	0.301	0.658	2.041	0.	0.564	0.751	0.	0.	1.519	1.989
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.554								

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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/92-10/27/98	8	14.25	16.375	29.	10.	46.696	6.833	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/07/91-12/09/97	13	20.	315.615	2200.	1.	381002.59	617.254	1.	3.	410.	1636.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/07/91-12/09/97	13	1.301	1.443	3.342	0.	1.413	1.189	0.	0.349	2.604	3.165
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			27.713								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	13	8.	47.923	330.	1.	8859.577	94.125	1.	1.5	56.	254.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/07/91-10/27/98	13	0.903	0.943	2.519	0.	0.734	0.857	0.	0.151	1.708	2.37
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.766								

** - Less than 9 observations ## - Computed 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: PORE0123

NPS Station ID: PORE0123
LAT/LON: 38.072642/-122.799309
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-006 TREATED COASTGUARD WELL H2O-PT. REYES WTP
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/006-TREATED
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 18050005000302.29
RF3 Mile Point: 2.79
Distance from RF3: 0.03
On/Off RF3:
Description:
DIST 04 NORTH MARIN-WATER DISTRICT-POINT REYES

Parameter Inventory for Station: PORE0123

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: PORE0124

NPS Station ID: PORE0124
LAT/LON: 38.073003/-122.905115
Agency: 11NPSWRD
Date Created: 05/31/99
Location: HOME RANCH CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_ANIMA_H2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 160
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT HOME RANCH CREEK JUST DOWNSTREAM FROM THE CULVERT AT HOME RANCH. THE SITE IS INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-09/29/88	16	13.75	14.894	19.7	11.8	7.321	2.706	12.36	12.725	17.7	19.42
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-09/29/88	15	363.	341.067	425.	225.	4282.21	65.439	228.6	265.	390.	414.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-09/29/88	16	14.	71.063	418.	4.	16511.663	128.498	4.	7.75	65.25	382.3
00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-06/09/88	14	1.34	2.034	8.39	0.33	4.769	2.184	0.475	0.68	2.283	6.61
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-06/09/88	14	0.126	0.747	5.278	0.063	2.124	1.457	0.065	0.087	0.49	3.92
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	15	0.94	1.254	3.11	0.27	0.732	0.856	0.414	0.62	1.88	2.864
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	15	0.36	0.429	1.76	0.06	0.17	0.412	0.102	0.22	0.4	1.226
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-09/29/88	16	0.375	0.683	2.35	0.06	0.48	0.693	0.109	0.215	0.938	1.979
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-06/09/88	12	0.109	0.256	1.578	0.034	0.185	0.43	0.035	0.054	0.247	1.225
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-06/09/88	14	0.049	0.12	0.908	0.03	0.052	0.229	0.031	0.039	0.098	0.511
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-06/09/88	12	0.045	0.124	0.67	0.003	0.04	0.201	0.004	0.008	0.153	0.577
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-09/29/88	16	0.02	0.058	0.575	0.007	0.019	0.138	0.009	0.013	0.04	0.208
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-06/09/88	14	0.029	0.056	0.333	0.016	0.007	0.081	0.018	0.023	0.055	0.2
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-06/09/88	14	1.289	8.148	47.976	0.418	212.355	14.572	0.518	1.006	6.693	41.55
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-09/29/88	15	21.4	22.08	27.4	16.7	10.599	3.256	17.78	20.3	25.3	27.28
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-09/29/88	16	0.518	0.785	2.377	0.132	0.466	0.683	0.195	0.353	1.231	2.018
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-09/29/88	16	0.075	0.125	0.46	0.03	0.015	0.124	0.03	0.05	0.17	0.397
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-09/29/88	16	0.03	0.058	0.17	0.006	0.003	0.057	0.009	0.02	0.08	0.17

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

EPA Water Quality Criteria Analysis for Station: PORE0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	16	0	0.00	3	0	0.00	10	0	0.00	3	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	16	0	0.00	3	0	0.00	10	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: PORE0125

NPS Station ID: PORE0125 | LAT/LON: 38.073616/-122.755559 | Agency: 11EPALES | Date Created: / /
Location: NICASIO CREEK | FIPS State/County: 06000 CALIFORNIA/
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 0617A1
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: O/NICASIO RESERVOIR | Elevation: 0 | Water Body Id:
Minor Basin: BNK 50 FT E SEC RD .1 MI BELO DAM | ECO Region:
RF1 Index: 18050005005 | RF1 Mile Point: 0.910 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050002001702.12 | RF3 Mile Point: 2.11 | Distance from RF3: 0.01 | On/Off RF3:
Description:
BANK SAMPLE 50 FT E OF SECONDARY RD 0.1 MI BELOW NICASIO DAM 3.5 MI (BY RD) E OF POINT REYES STATION T3N R8W

Parameter Inventory for Station: PORE0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/16/74-10/18/75	16	0.02	0.027	0.06	0.008	0.	0.015	0.009	0.016	0.039	0.052
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/16/74-12/07/74	2	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/74-10/18/75	15	1.1	1.416	3.2	0.55	0.773	0.879	0.58	0.8	2.3	3.02
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/16/74-10/18/75	16	0.295	0.311	0.7	0.005	0.029	0.172	0.03	0.2	0.428	0.546
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/16/74-10/18/75	15	0.06	0.065	0.11	0.03	0.	0.019	0.036	0.06	0.07	0.098
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/16/74-10/18/75	16	0.015	0.021	0.049	0.003	0.	0.014	0.006	0.01	0.039	0.043

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

EPA Water Quality Criteria Analysis for Station: PORE0125

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00				2	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	16	0	0.00	5	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 Inventory for Station: PORE0126

NPS Station ID: PORE0126
LAT/LON: 38.075920/-122.936837
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #1
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE ONE IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0126

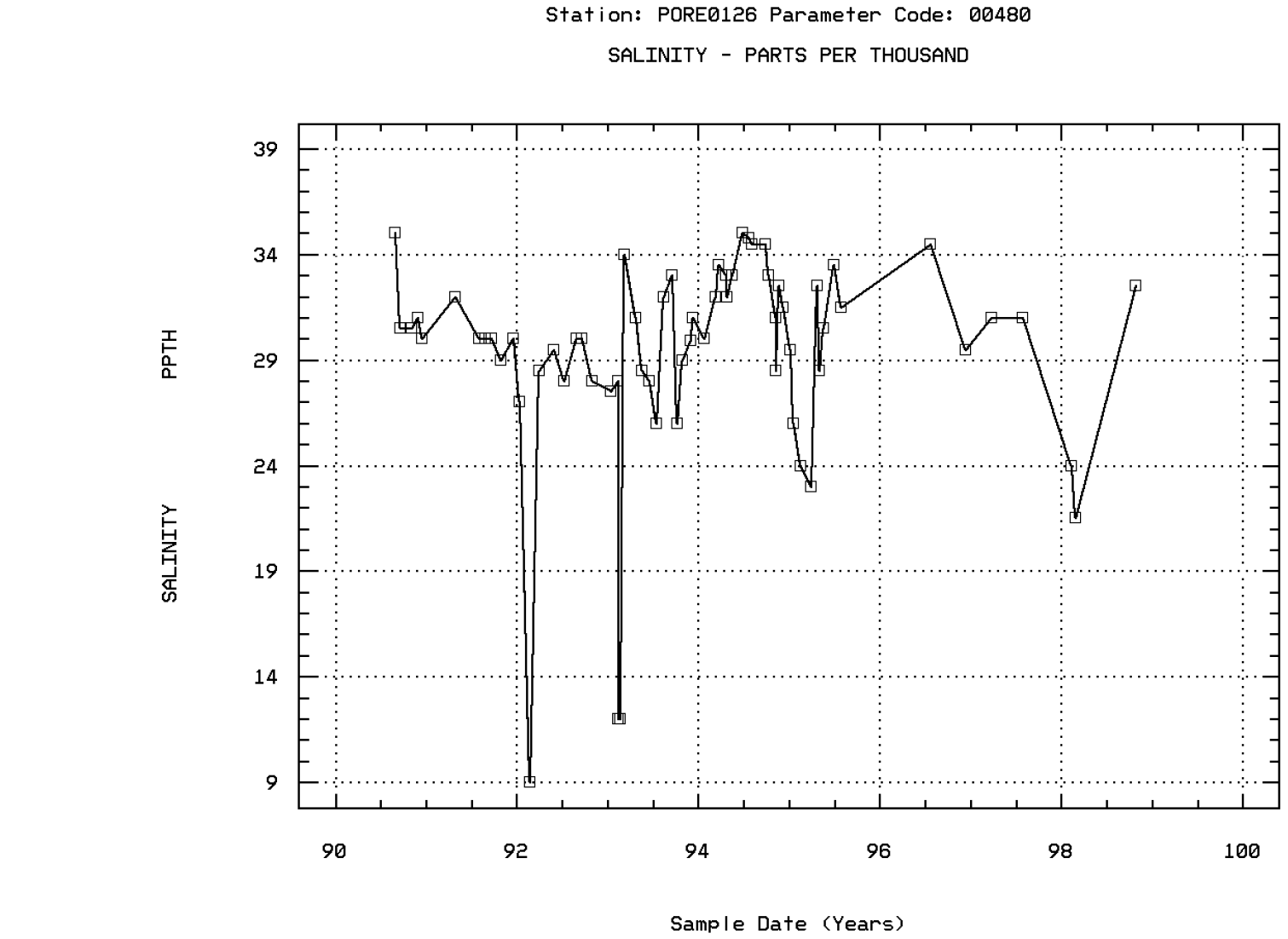
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	66	16.	15.488	28.	7.8	15.979	3.997	10.	12.5	18.125	20.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	65	30.	29.349	35.	9.	25.032	5.003	24.	28.25	32.25	34.2
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	91 ##	1.	263.56	16000.	1.	2937091.982	1713.795	1.	1.	8.	290.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	91 ##	0.	0.667	4.204	0.	0.93	0.965	0.	0.	0.903	2.438
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.646								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	92 ##	1.	37.87	2400.	1.	63920.818	252.826	1.	1.	5.	21.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	92 ##	0.	0.39	3.38	0.	0.441	0.664	0.	0.	0.699	1.322
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.454								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-10/27/98	9 ##	1.	30.778	130.	1.	2026.194	45.013	1.	1.	59.5	130.

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

EPA Water Quality Criteria Analysis for Station: PORE0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	91	3	0.03	33	0	0.00	24	0	0.00	34	3	0.09			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	92	3	0.03	33	0	0.00	25	0	0.00	34	3	0.09			

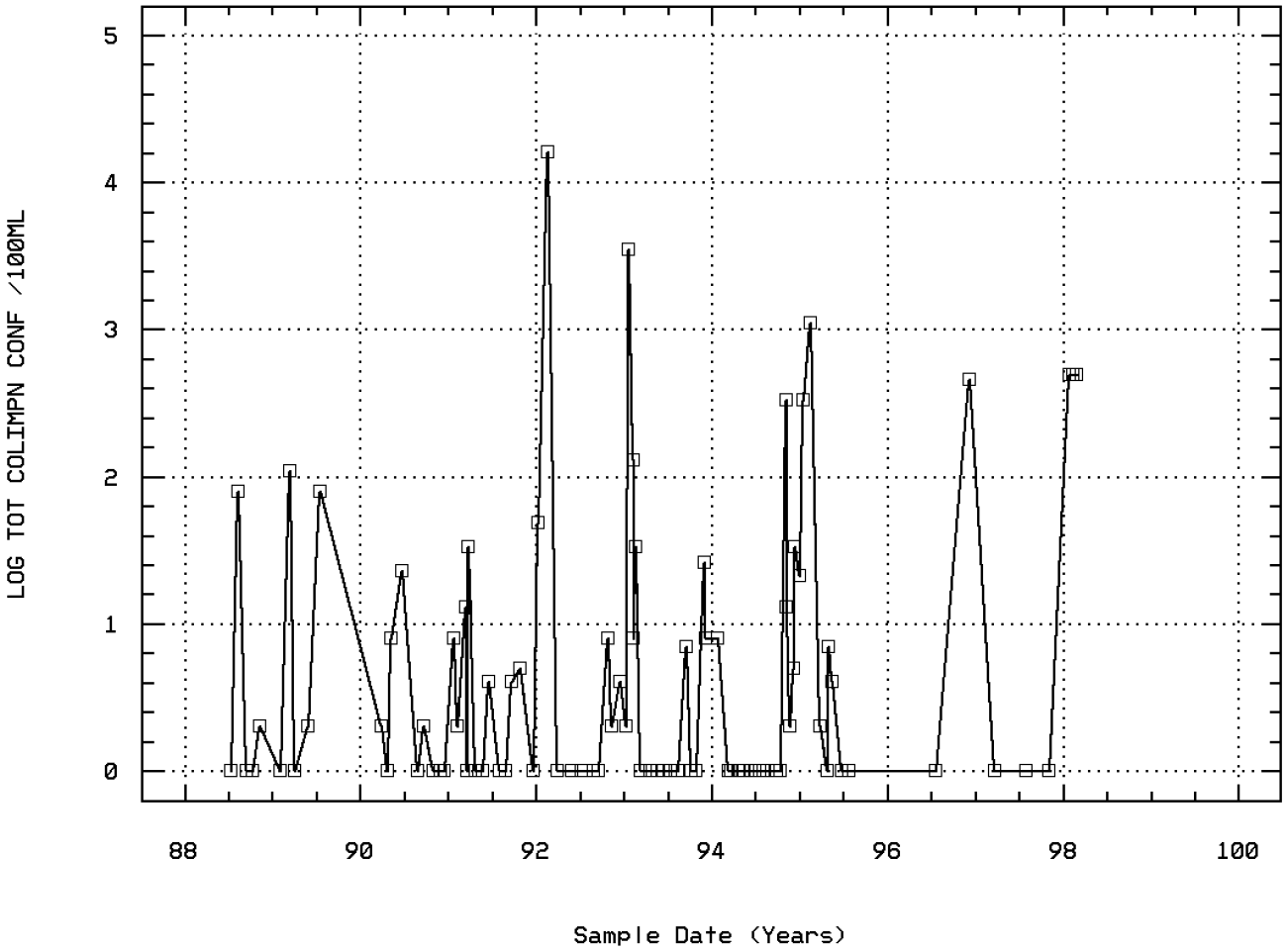
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



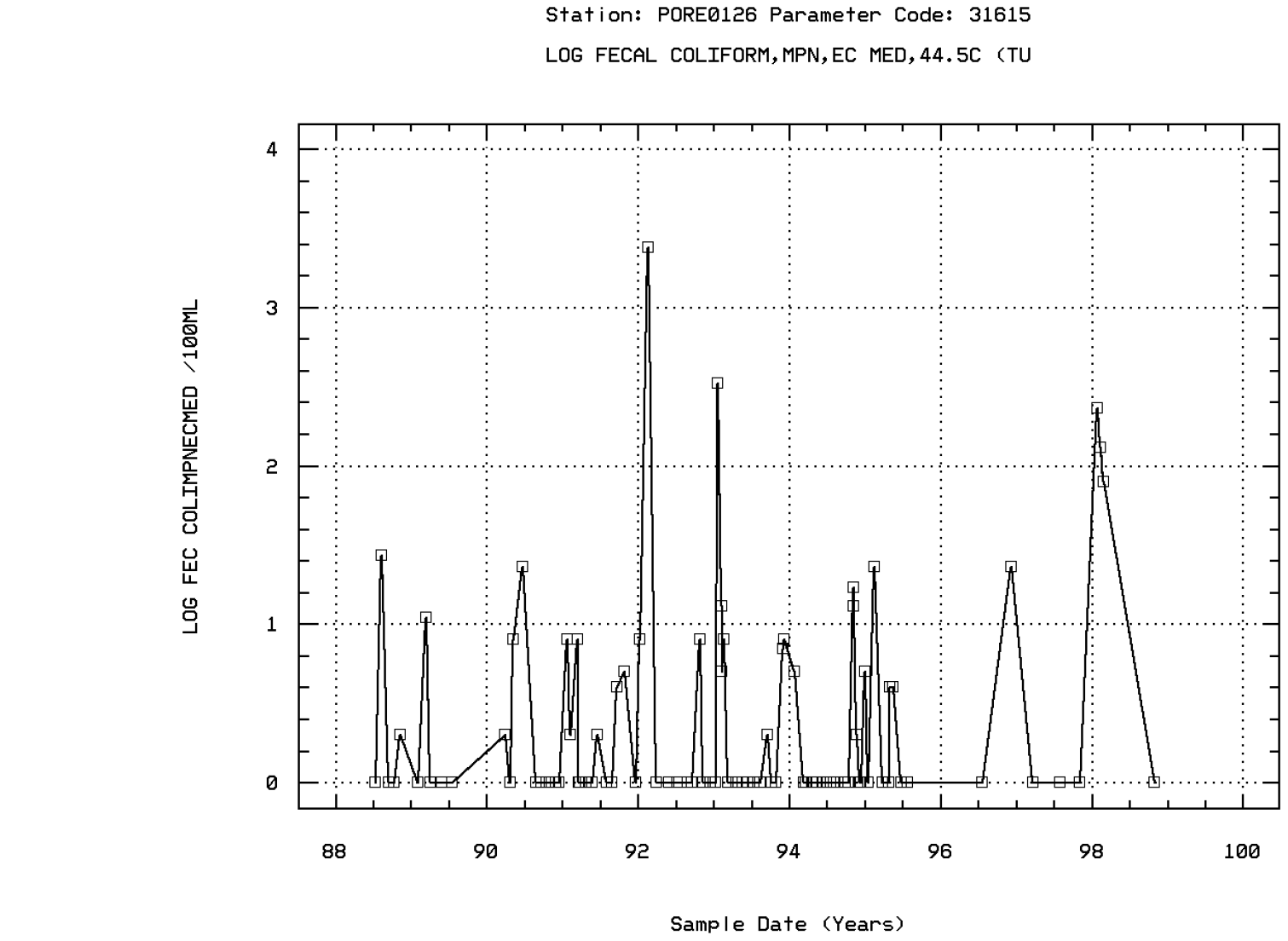
DRAKES ESTERO SAMPLING SITE #1

Station: PORE0126 Parameter Code: 31505

LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



DRAKES ESTERO SAMPLING SITE #1



DRAKES ESTERO SAMPLING SITE #1

Annual Analysis for 1988 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5 ##	1.	16.8	79.	1.	1209.2	34.774	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5 ##	0.	0.44	1.898	0.	0.681	0.825	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.753								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	1.	6.4	27.	1.	132.8	11.524	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	0.	0.346	1.431	0.	0.385	0.62	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.221								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	5	2.	38.6	110.	1.	2724.3	52.195	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	5	0.301	0.848	2.041	0.	1.066	1.032	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7.047								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	1.	3.	11.	1.	20.	4.472	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	5 ##	0.	0.208	1.041	0.	0.217	0.466	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.615								

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

Annual Analysis for 1990 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9 ##	1.	4.444	23.	1.	53.528	7.316	1.	1.	5.	23.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9 ##	0.	0.319	1.362	0.	0.242	0.492	0.	0.	0.602	1.362
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.082								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	1.	4.333	23.	1.	54.25	7.365	1.	1.	5.	23.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9 ##	0.	0.285	1.362	0.	0.254	0.504	0.	0.	0.602	1.362
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.928								

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

Annual Analysis for 1991 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	13	2.	5.769	33.	1.	79.692	8.927	1.	1.	6.5	25.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	13	0.301	0.442	1.519	0.	0.261	0.511	0.	0.	0.801	1.357
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.764								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13 ##	1.	2.769	8.	1.	7.026	2.651	1.	1.	4.5	8.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	13 ##	0.	0.285	0.903	0.	0.134	0.366	0.	0.	0.651	0.903
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.929								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	10 ##	1.5	1606.8	16000.	1.	25576047.511	5057.277	1.	1.	18.25	14404.9
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	10 ##	0.151	0.77	4.204	0.	1.763	1.328	0.	0.	1.1	3.953
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.889								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10 ##	1.	242.3	2400.	1.	574782.456	758.144	1.	1.	8.	2160.8
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	10 ##	0.	0.519	3.38	0.	1.152	1.073	0.	0.	0.903	3.132
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.301								

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

Annual Analysis for 1993 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16 ##	1.5	232.625	3500.	1.	760201.583	871.895	1.	1.	21.5	1141.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16 ##	0.151	0.721	3.544	0.	1.03	1.015	0.	0.	1.287	2.543
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.266								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	1.	23.875	330.	1.	6677.583	81.716	1.	1.	7.75	108.1
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	0.	0.455	2.519	0.	0.479	0.692	0.	0.	0.889	1.535
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.853								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	16 ##	1.	25.063	330.	1.	6680.729	81.736	1.	1.	7.25	122.1
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	16 ##	0.	0.441	2.519	0.	0.545	0.738	0.	0.	0.852	1.819
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2.76								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	1.	3.063	17.	1.	23.263	4.823	1.	1.	1.75	14.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	16 ##	0.	0.209	1.23	0.	0.176	0.419	0.	0.	0.226	1.149
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.618								

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

Annual Analysis for 1995 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	9	4.	163.	1100.	1.	135036.5	367.473	1.	1.	175.5	1100.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	9	0.602	0.959	3.041	0.	1.279	1.131	0.	0.	1.92	3.041
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.098								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9	1.	4.556	23.	1.	50.528	7.108	1.	1.	4.5	23.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	9	0.	0.363	1.362	0.	0.235	0.485	0.	0.	0.651	1.362
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.305								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	2 ##	230.5	230.5	460.	1.	105340.5	324.562	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	2 ##	1.331	1.331	2.663	0.	3.545	1.883	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			21.448								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2 ##	12.	12.	23.	1.	242.	15.556	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	2 ##	0.681	0.681	1.362	0.	0.927	0.963	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.796								

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

Annual Analysis for 1997 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			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

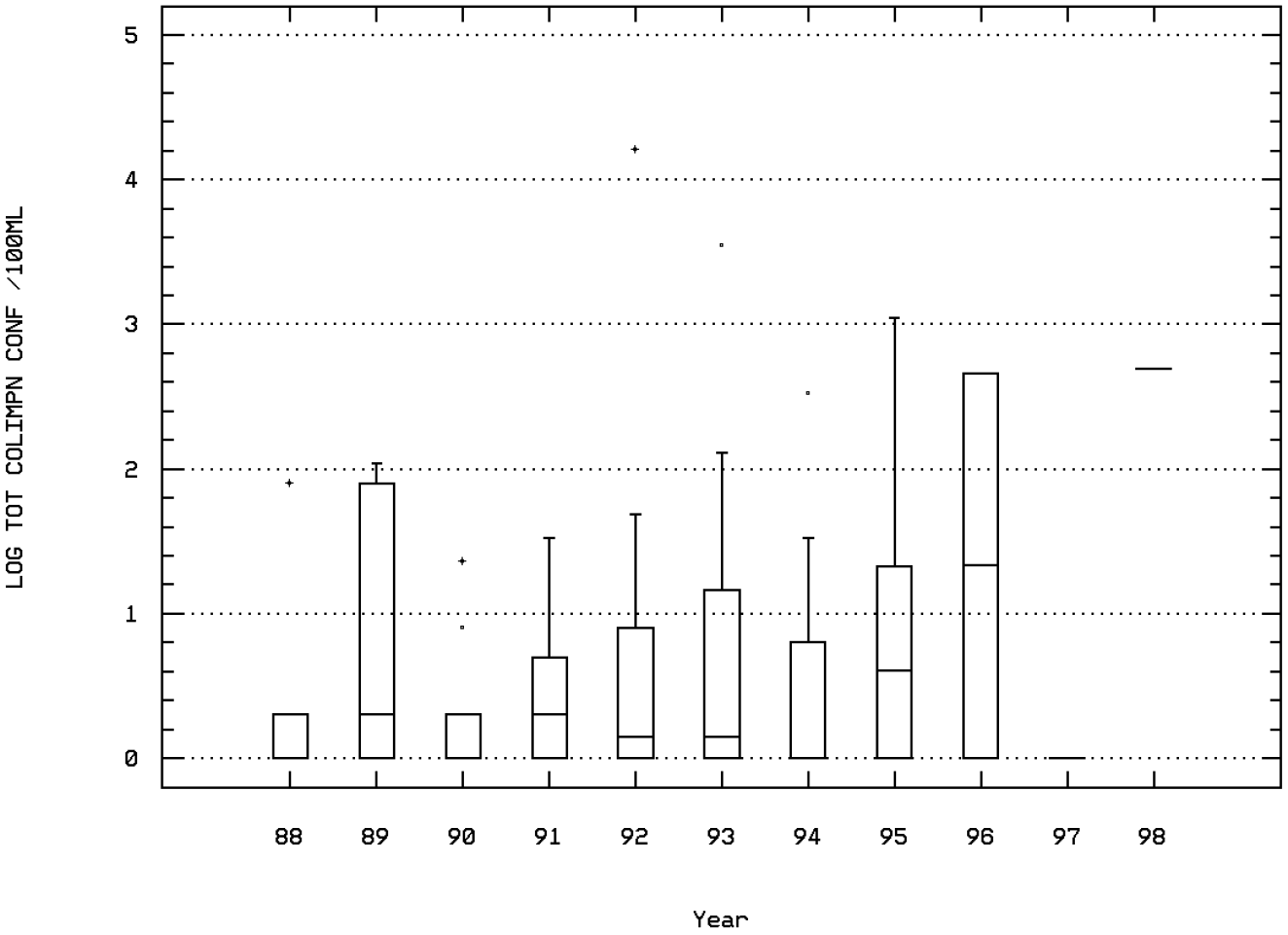
Annual Analysis for 1998 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	3	490.	490.	490.	490.	0.	0.	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	3	2.69	2.69	2.69	2.69	0.	0.	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			490.								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	4	104.5	110.	230.	1.	9214.	95.99	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	4	2.006	1.593	2.362	0.	1.164	1.079	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			39.203								

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

Station: PORE0126 Parameter Code: 31505

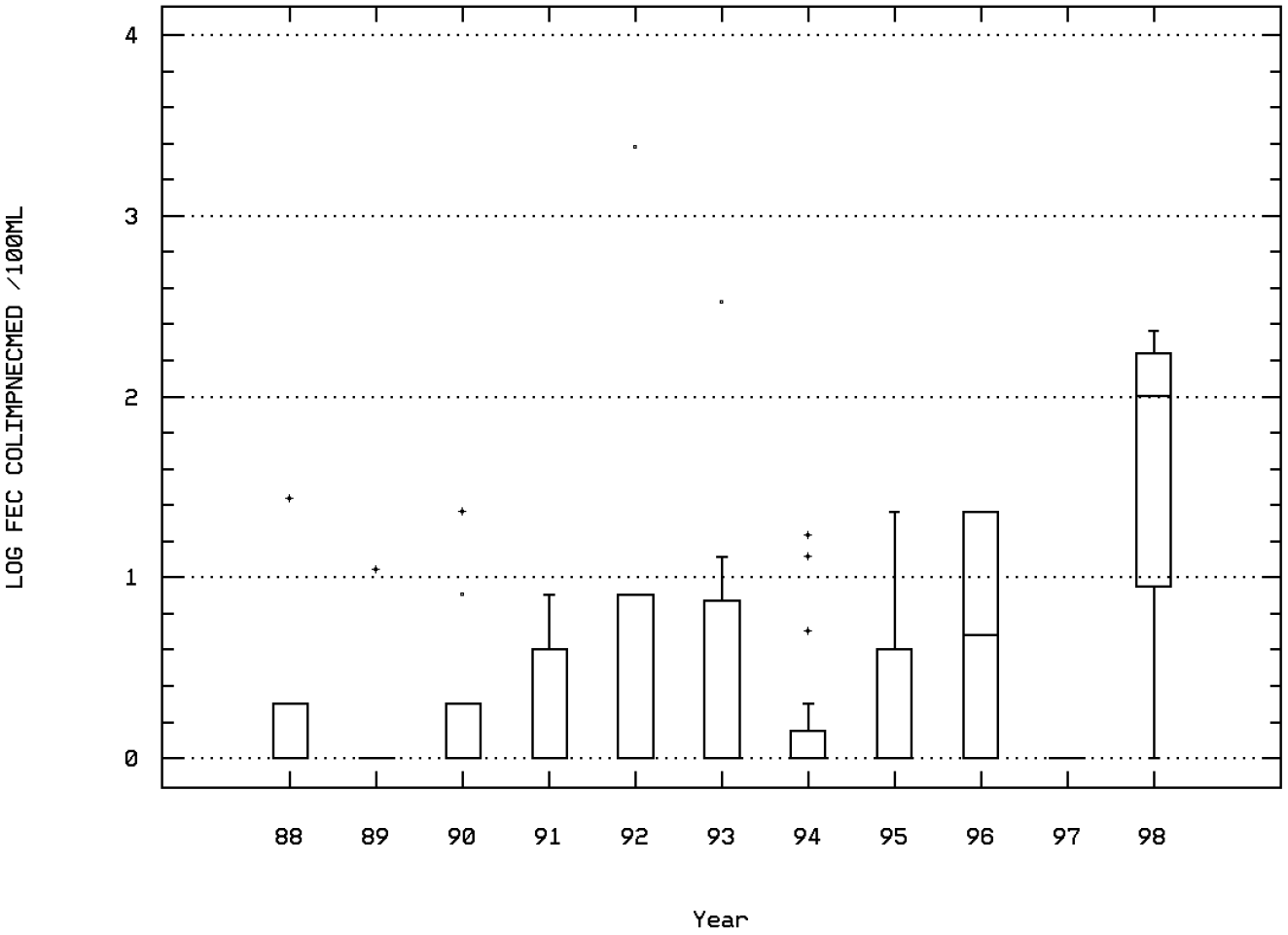
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



DRAKES ESTERO SAMPLING SITE #1

Station: PORE0126 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



DRAKES ESTERO SAMPLING SITE #1

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	25	18.5	18.176	21.5	14.	3.291	1.814	15.6	17.	19.25	20.7
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	25	30.5	31.172	35.	26.	7.498	2.738	27.2	29.75	34.	34.88
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	33 ##	1.	6.909	79.	1.	361.398	19.01	1.	1.	2.	16.6
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	33 ##	0.	0.255	1.898	0.	0.278	0.527	0.	0.	0.301	1.155
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.798								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33 ##	1.	2.697	27.	1.	33.905	5.823	1.	1.	1.	4.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	33 ##	0.	0.139	1.431	0.	0.13	0.361	0.	0.	0.	0.602
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.378								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0126

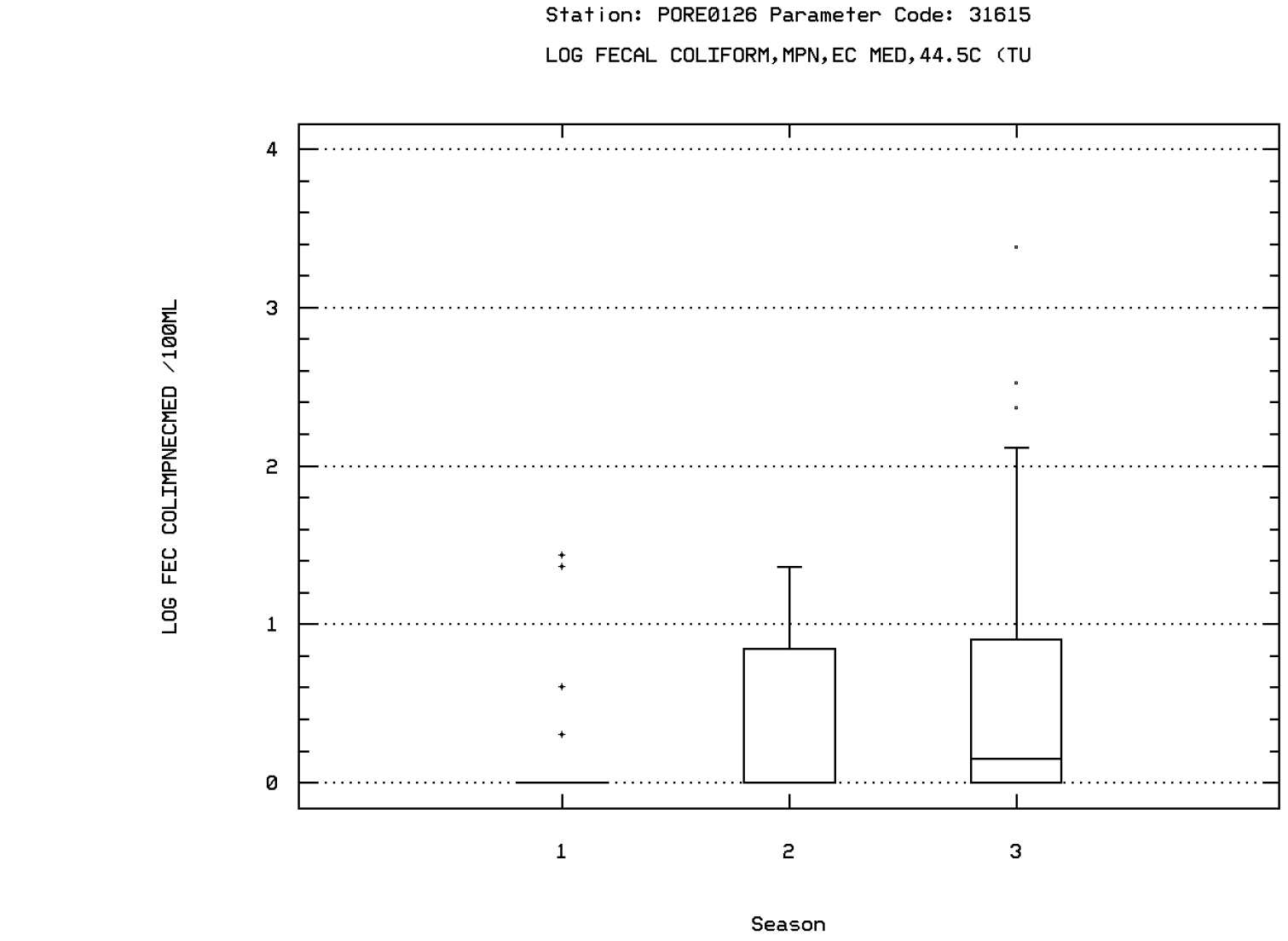
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	20	12.	12.265	17.	7.8	7.973	2.824	8.6	10.	15.	16.
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	19	30.	30.047	33.	27.	2.832	1.683	27.5	29.	31.	32.5
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	24	3.	40.75	460.	1.	12419.152	111.441	1.	1.	19.	189.5
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	24	0.452	0.719	2.663	0.	0.631	0.795	0.	0.	1.27	2.104
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.234								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	25 ##	1.	4.48	23.	1.	33.26	5.767	1.	1.	7.5	14.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	25 ##	0.	0.37	1.362	0.	0.229	0.479	0.	0.	0.874	1.161
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.346								

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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-10/27/98	21	14.	15.357	28.	10.	20.971	4.579	11.	12.25	16.75	25.
00480	SALINITY - PARTS PER THOUSAND	08/29/90-10/27/98	21	28.5	26.548	34.	9.	55.698	7.463	12.	23.5	32.	33.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/88-02/24/98	34	4.5	669.941	16000.	1.	7729119.936	2780.129	1.	1.	115.	795.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/14/88-02/24/98	34	0.573	1.031	4.204	0.	1.52	1.233	0.	0.	2.06	2.866
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10.734								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	34	1.5	96.559	2400.	1.	170578.921	413.012	1.	1.	8.75	180.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/88-10/27/98	34	0.151	0.647	3.38	0.	0.792	0.89	0.	0.	0.938	2.238
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.438								

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



DRAKES ESTERO SAMPLING SITE #1

Station Inventory for Station: PORE0127

NPS Station ID: PORE0127
LAT/LON: 38.076642/-122.753920
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-002 NICASIO LAKE DAM AT 10FT DEPTH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D21/002-NICA-LK
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 15.20
On/Off RF1:
RF3 Index: 18050002096800.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
DIST 04 MMWD *EXCEED IRON MCL

Parameter Inventory for Station: PORE0127

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: PORE0128

NPS Station ID: PORE0128 | LAT/LON: 38.077504/-122.752782 | Agency: 11EPALES | Date Created: / /
Location: NICASIO RESERVOIR | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 061701
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 84 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 18050005007 | RF1 Mile Point: 0.250 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050005001826.58 | RF3 Mile Point: 34.65 | Distance from RF3: 0.23 | On/Off RF3:
Description:
DAM SITE; 360 DEGREES, 175 YDS FR DAM. COMMENTS: 3-13 ULE 19, INTEG 15 FT.
6-26 ULE 19; AERATORS 20 YDS FR SITE; DEPTH 78 FT. 11-11 ULE 18; 1% LIGHT, 4 FT; SOME TYPE OF UPWELLING OF WATER NOTED IN
AREA NEAR STATION ONE; INTEG 15 FT; DEPTH 63 FT. MAP: INVERNESS QUAD

Parameter Inventory for Station: PORE0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/75-11/11/75	18	15.65	13.806	16.6	9.6	7.33	2.707	9.96	10.875	15.925	16.06
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/13/75-11/11/75	18	73.	75.611	92.	15.	325.781	18.049	61.8	69.75	90.25	92.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/13/75-11/11/75	3	18.	18.	24.	12.	36.	6.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/75-11/11/75	18	137.5	138.278	171.	113.	545.389	23.354	113.9	114.	171.	171.
00300	OXYGEN, DISSOLVED MG/L	03/13/75-11/11/75	18	8.3	8.011	9.4	5.2	1.306	1.143	6.46	7.	9.	9.22
00400	PH (STANDARD UNITS)	03/13/75-11/11/75	18	7.7	7.683	7.9	7.5	0.011	0.103	7.5	7.6	7.713	7.81
00400	CONVERTED PH (STANDARD UNITS)	03/13/75-11/11/75	18	7.7	7.672	7.9	7.5	0.011	0.104	7.5	7.6	7.712	7.81
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/75-11/11/75	18	0.02	0.021	0.032	0.013	0.	0.005	0.016	0.019	0.025	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/75-11/11/75	18	68.	66.722	75.	59.	28.33	5.323	59.9	60.75	70.5	74.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/13/75-11/11/75	18	0.03	0.033	0.06	0.02	0.	0.011	0.02	0.02	0.04	0.051
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/75-11/11/75	18	0.4	0.367	0.6	0.1	0.02	0.141	0.19	0.2	0.5	0.51
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/75-11/11/75	18	0.32	0.323	0.56	0.03	0.043	0.208	0.039	0.04	0.54	0.551
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/75-11/11/75	18	0.052	0.06	0.088	0.036	0.	0.017	0.036	0.046	0.076	0.084
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/13/75-11/11/75	18	0.014	0.025	0.054	0.009	0.	0.017	0.01	0.011	0.043	0.051
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	03/13/75-11/11/75	3	4.2	4.967	8.7	2.	11.663	3.415	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	03/13/75-11/11/75	3	78.	75.	84.	63.	117.	10.817	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0128

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	18	0	0.00	6	0	0.00	5	0	0.00	7	0	0.00			
00400	PH	Fresh Chronic	9.	18	0	0.00	6	0	0.00	5	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	18	0	0.00	6	0	0.00	5	0	0.00	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	18	0	0.00	6	0	0.00	5	0	0.00	7	0	0.00			

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

Station Inventory for Station: PORE0129

NPS Station ID: PORE0129
LAT/LON: 38.078337/-122.935921
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #9
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE9
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE NINE IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	98	16.	15.677	26.5	8.5	14.682	3.832	11.	12.375	18.	20.55
00480	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	100	30.	29.064	40.	11.	28.066	5.298	23.	26.25	32.5	35.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	116	2.	144.233	5400.	1.	338350.476	581.679	1.	1.	22.75	336.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	116	0.301	0.805	3.732	0.	0.986	0.993	0.	0.	1.357	2.526
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.381								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	117	2.	40.188	2400.	1.	51726.706	227.435	1.	1.	8.	49.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	117	0.301	0.529	3.38	0.	0.544	0.738	0.	0.	0.903	1.69
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.381								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	32	2.	25.438	170.	1.	2434.964	49.345	1.	1.	16.	131.

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

EPA Water Quality Criteria Analysis for Station: PORE0129

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	116	4	0.03	45	0	0.00	32	1	0.03	39	3	0.08			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	117	4	0.03	45	0	0.00	33	2	0.06	39	2	0.05			

& - 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 1991 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	6	15.25	15.167	19.	10.	11.067	3.327	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	6	31.	30.5	32.	28.	1.9	1.378	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	11 ##	1.	2.727	9.	1.	6.618	2.573	1.	1.	4.	8.2
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	11 ##	0.	0.287	0.954	0.	0.131	0.362	0.	0.	0.602	0.903
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.937								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	11 ##	1.	1.727	5.	1.	2.018	1.421	1.	1.	2.	4.8
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	11 ##	0.	0.146	0.699	0.	0.071	0.266	0.	0.	0.301	0.68
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.398								

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

Annual Analysis for 1992 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	7	17.	16.857	22.	9.5	14.56	3.816	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	7	28.5	28.214	31.	25.5	3.738	1.933	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	9	2.	8.556	33.	1.	154.778	12.441	1.	1.	17.5	33.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	9	0.301	0.528	1.519	0.	0.366	0.605	0.	0.	1.167	1.519
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.376								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	9 ##	1.	5.444	33.	1.	109.028	10.442	1.	1.	4.5	33.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	9 ##	0.	0.347	1.519	0.	0.271	0.52	0.	0.	0.651	1.519
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.222								

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

Annual Analysis for 1993 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	15	16.	16.253	26.5	8.5	22.62	4.756	10.	12.	18.5	25.
00480p	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	15	27.3	25.74	34.	12.	39.501	6.285	12.6	23.8	30.	32.8
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	16	6.5	130.25	1100.	1.	104819.	323.758	1.	1.	52.25	883.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	16	0.801	0.925	3.041	0.	1.046	1.023	0.	0.	1.662	2.941
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			8.422								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	16	5.	22.375	130.	1.	1835.583	42.844	1.	1.	15.5	130.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	16	0.699	0.729	2.114	0.	0.554	0.744	0.	0.	1.183	2.114
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.356								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	15	16.	14.8	21.	8.5	12.029	3.468	9.1	12.	17.	19.8
00480p	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	15	33.	32.753	37.	28.3	6.37	2.524	28.42	31.5	35.	36.4
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	16	2.	37.063	330.	1.	9039.396	95.076	1.	1.	7.75	253.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	16	0.301	0.572	2.519	0.	0.656	0.81	0.	0.	0.889	2.395
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.734								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	16 ##	1.5	3.125	11.	1.	11.05	3.324	1.	1.	5.75	8.9
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	16 ##	0.151	0.306	1.041	0.	0.153	0.391	0.	0.	0.709	0.945
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.023								

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

Annual Analysis for 1995 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	11	14.5	15.182	21.	10.	13.914	3.73	10.2	11.	18.5	20.6
00480p	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	11	30.	29.136	35.	21.	17.955	4.237	21.6	25.5	33.	34.7
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	15	2.	251.267	2400.	1.	374355.067	611.846	1.	1.	230.	1254.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	15	0.301	1.129	3.38	0.	1.595	1.263	0.	0.	2.362	2.966
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			13.472								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	15	2.	169.733	2400.	1.	380928.352	617.194	1.	1.	17.	989.4
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	15	0.301	0.72	3.38	0.	0.933	0.966	0.	0.	1.23	2.366
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.245								

** - 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 1996 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	17	17.	15.971	20.	10.	10.015	3.165	11.2	12.5	18.5	19.2
00480p	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	17	29.5	27.794	34.	20.	12.908	3.593	22.4	24.5	30.	31.6
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	17	2.	50.706	350.	1.	13071.346	114.33	1.	1.	25.	350.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	17	0.301	0.738	2.544	0.	0.838	0.916	0.	0.	1.374	2.544
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.471								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	17 ##	1.	36.941	350.	1.	9827.309	99.133	1.	1.	3.5	262.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	17 ##	0.	0.456	2.544	0.	0.68	0.824	0.	0.	0.5	2.413
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.859								

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

Annual Analysis for 1997 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	13	17.5	17.808	26.	11.	20.439	4.521	11.	14.	21.5	24.4
00480p	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	13	33.	32.231	40.	11.	50.692	7.12	18.2	31.	36.5	38.8
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	16	2.	44.813	540.	1.	17837.496	133.557	1.	1.	20.25	211.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	16	0.301	0.662	2.732	0.	0.732	0.856	0.	0.	1.301	2.111
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4.592								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	16	2.	8.688	49.	1.	254.363	15.949	1.	1.	7.75	49.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	16	0.301	0.477	1.69	0.	0.345	0.587	0.	0.	0.889	1.69
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			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

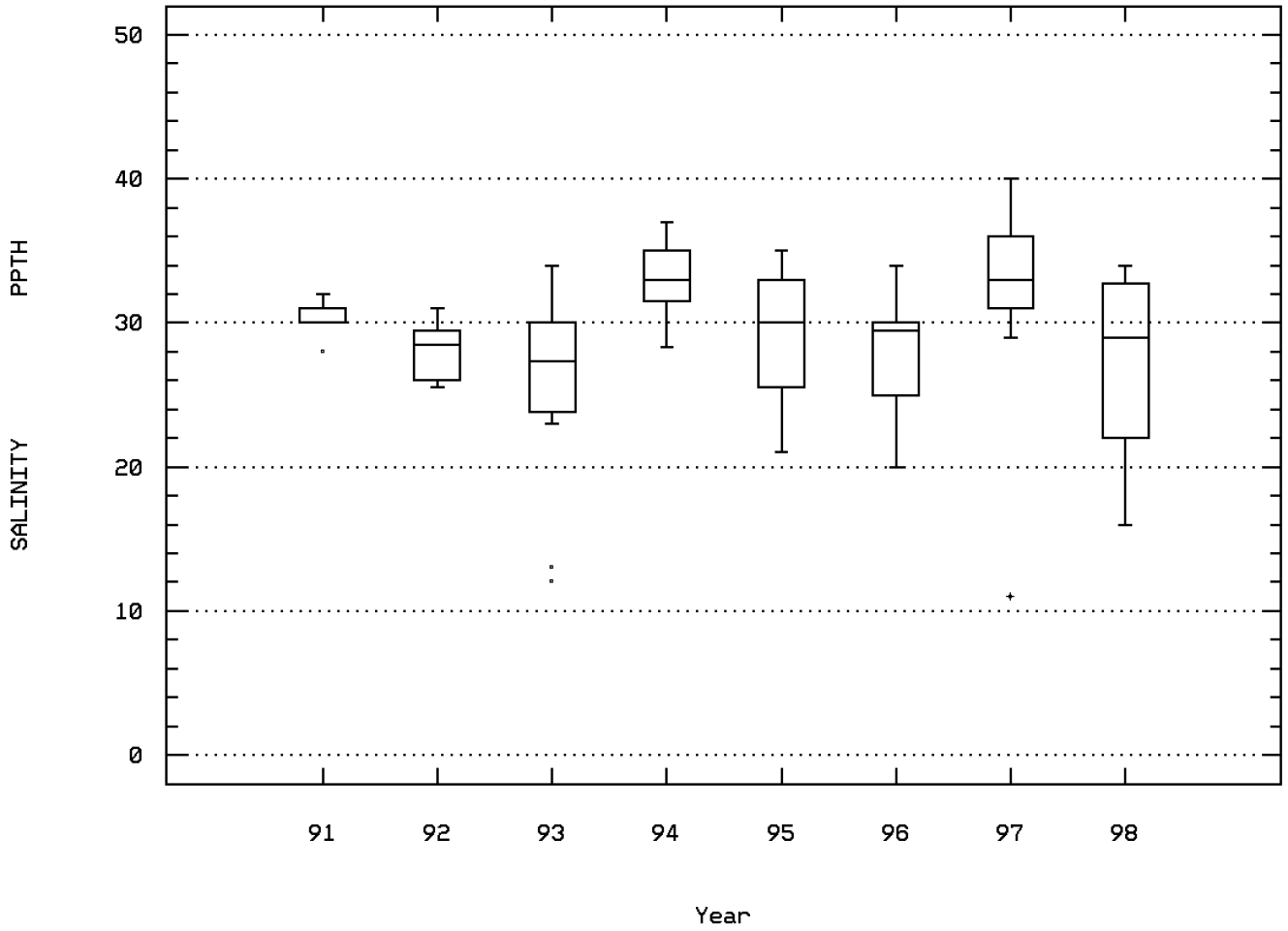
Annual Analysis for 1998 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	14	13.8	13.679	20.	9.	8.066	2.84	10.	11.375	15.35	18.5
00480p	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	16	29.	27.281	34.	16.	34.266	5.854	18.8	21.	32.875	33.3
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	16	17.	537.438	5400.	1.	1863877.329	1365.239	1.	1.	345.	2740.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	16	1.202	1.338	3.732	0.	1.711	1.308	0.	0.	2.538	3.363
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			21.772								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	17	2.	53.706	350.	1.	9535.846	97.652	1.	1.	86.5	206.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	17	0.301	0.849	2.544	0.	0.924	0.961	0.	0.	1.832	2.293
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.062								

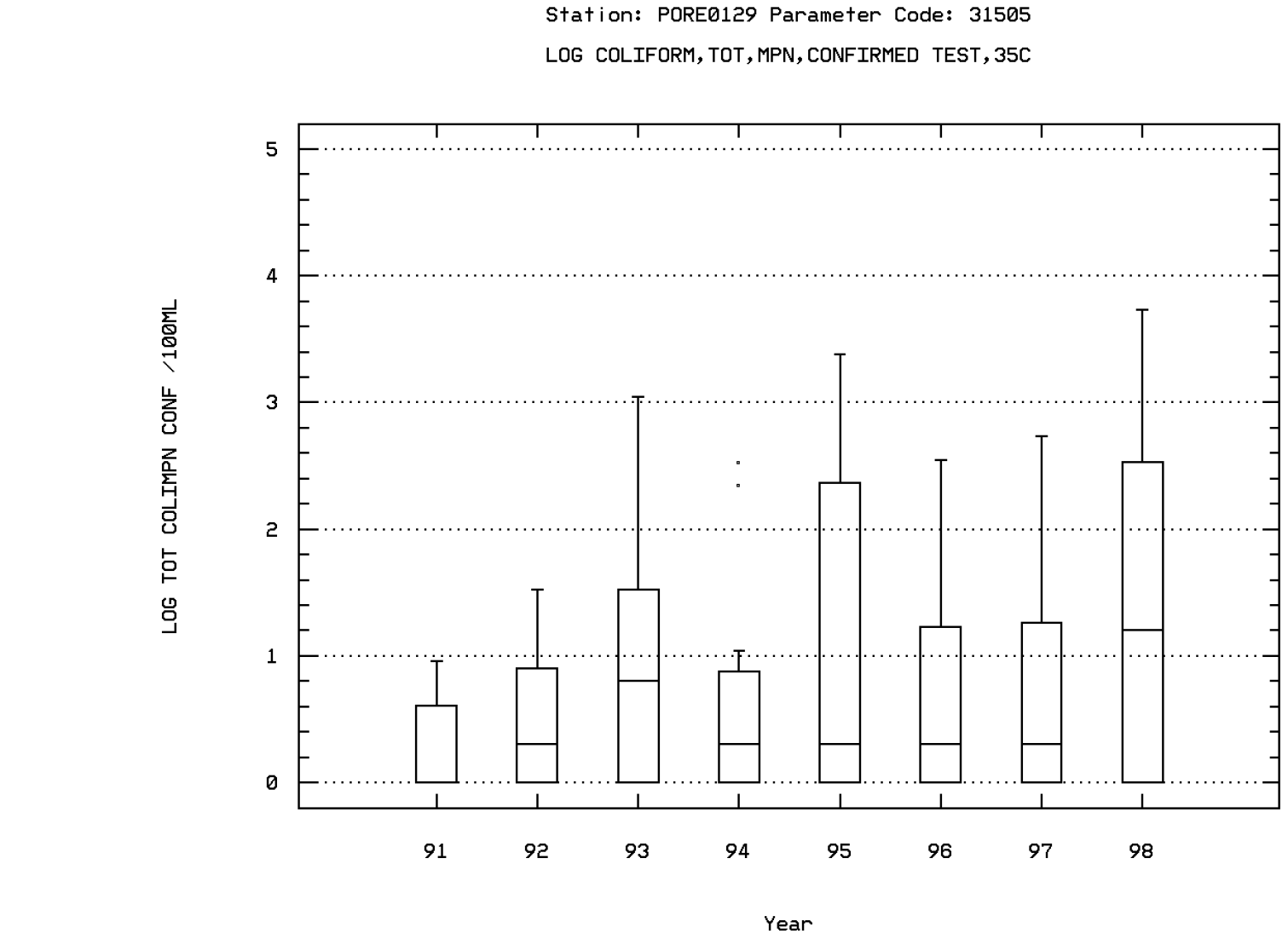
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0129 Parameter Code: 00480

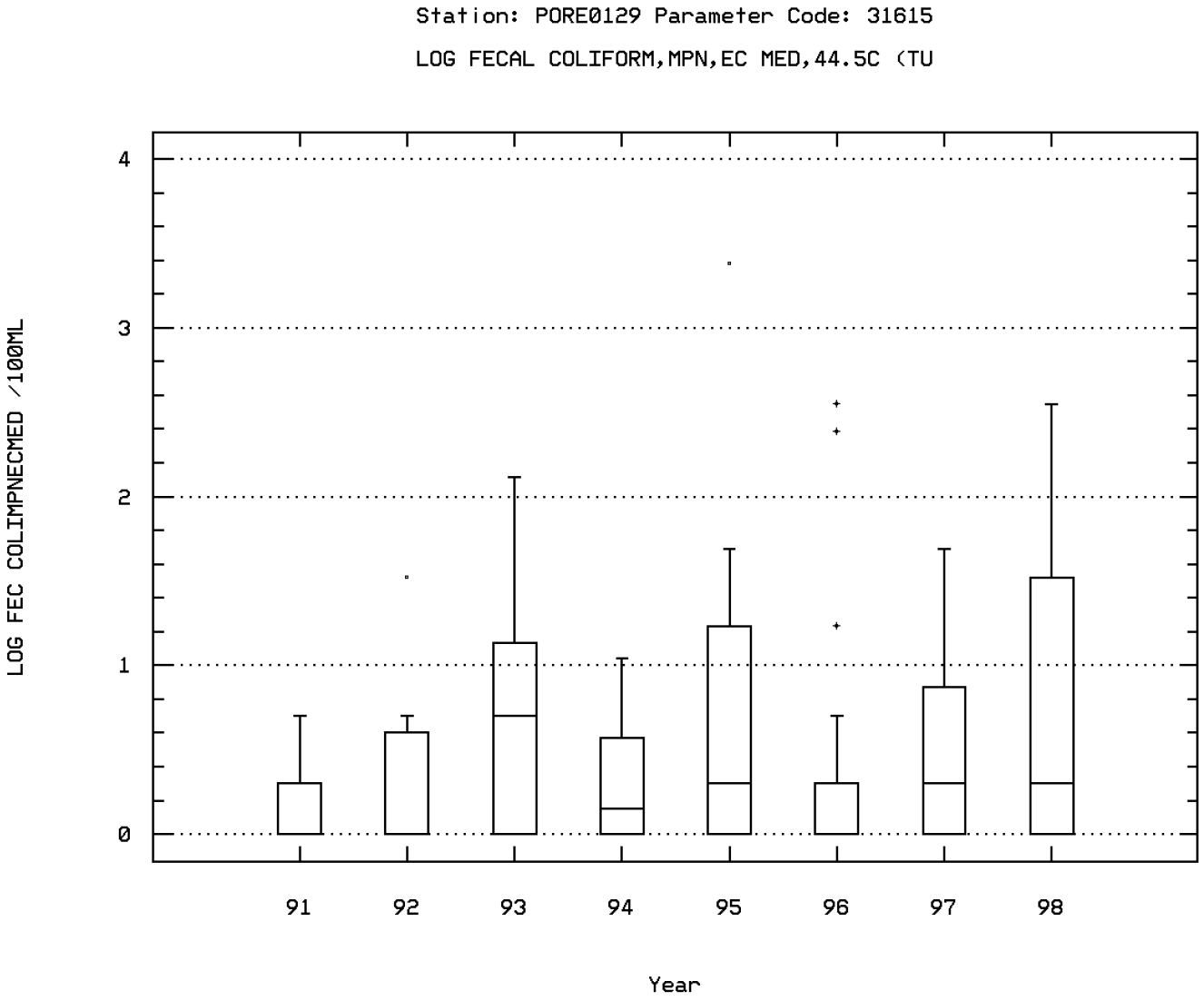
SALINITY - PARTS PER THOUSAND



DRAKES ESTERO SAMPLING SITE #9



DRAKES ESTERO SAMPLING SITE #9



DRAKES ESTERO SAMPLING SITE #9

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	39	18.	18.482	26.	11.8	5.418	2.328	16.5	17.	19.	22.
00480	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	41	31.	31.832	40.	23.8	12.354	3.515	27.64	30.	34.5	36.8
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	45 ##	1.	5.289	70.	1.	170.392	13.053	1.	1.	2.	8.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	45 ##	0.	0.275	1.845	0.	0.231	0.481	0.	0.	0.301	0.903
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.884								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	45 ##	1.	4.6	49.	1.	118.791	10.899	1.	1.	2.	8.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	45 ##	0.	0.238	1.69	0.	0.212	0.46	0.	0.	0.301	0.903
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.73								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	27	12.	12.53	21.	8.5	8.974	2.996	8.9	10.	15.	16.2
00480	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	26	30.	29.262	35.	20.	10.218	3.197	24.75	28.	31.125	32.65
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	32	7.5	125.875	2400.	1.	181713.081	426.278	1.	1.25	59.25	303.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	32	0.874	1.013	3.38	0.	0.912	0.955	0.	0.075	1.742	2.477
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10.303								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	33	4.	89.515	2400.	1.	175706.883	419.174	1.	1.	7.5	42.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	33	0.602	0.652	3.38	0.	0.597	0.773	0.	0.	0.874	1.622
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.492								

** - Less than 9 observations ## - Computed with 50% or more 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: 1/15 to 5/14 - Station PORE0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/91-12/08/98	32	14.5	14.913	26.5	10.	12.644	3.556	11.	12.25	16.375	18.85
00480	SALINITY - PARTS PER THOUSAND	04/25/91-12/08/98	33	25.5	25.47	34.	11.	40.233	6.343	14.2	22.	31.5	33.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/14/91-12/08/98	39	11.	319.615	5400.	1.	820804.506	905.983	1.	1.	330.	790.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/14/91-12/08/98	39	1.041	1.246	3.732	0.	1.405	1.185	0.	0.	2.519	2.898
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			17.6								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	39	2.	39.513	350.	1.	6188.046	78.664	1.	1.	17.	170.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/14/91-12/08/98	39	0.301	0.76	2.544	0.	0.745	0.863	0.	0.	1.23	2.23
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.759								

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

Station Inventory for Station: PORE0130

NPS Station ID: PORE0130 LAT/LON: 38.078809/-122.908504 Agency: 11NPSWRD Date Created: 05/31/99
Location: UNNAMED CREEK FLOWING NE INTO HOME BAY FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PORE_ANIMA_H1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 160 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED CREEK WHICH FLOWS NORTHEAST INTO HOME BAY. THE SITE IS LOCATED JUST BELOW THE CULVERT ON THE ROAD TO HOME RANCH. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/29/87	2	15.65	15.65	15.8	15.5	0.045	0.212	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-10/29/87	2	650.	650.	670.	630.	800.	28.284	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-10/29/87	2	22.5	22.5	27.	18.	40.5	6.364	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-10/29/87	2	1.395	1.395	1.42	1.37	0.001	0.035	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-10/29/87	2	0.334	0.334	0.372	0.295	0.003	0.054	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-10/29/87	2	1.06	1.06	1.07	1.05	0.	0.014	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-10/29/87	2	0.5	0.5	0.53	0.47	0.002	0.042	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-10/29/87	2	0.155	0.155	0.19	0.12	0.002	0.049	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-10/29/87	1	0.226	0.226	0.226	0.226	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/87-10/29/87	1	0.091	0.091	0.091	0.091	0.	0.	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-10/29/87	1	0.136	0.136	0.136	0.136	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-10/29/87	2	0.044	0.044	0.058	0.029	0.	0.021	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/29/87-10/29/87	1	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-10/29/87	2	3.75	3.75	3.948	3.552	0.078	0.28	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-10/06/87	1	32.2	32.2	32.2	32.2	0.	0.	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-10/29/87	2	0.56	0.56	0.601	0.519	0.003	0.057	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-10/29/87	2	0.495	0.495	0.5	0.49	0.	0.007	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-10/29/87	2	0.14	0.14	0.17	0.11	0.002	0.042	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0130

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: PORE0131

NPS Station ID: PORE0131
LAT/LON: 38.080281/-122.783338
Agency: 112WRD
Date Created: 02/15/78
Location: LAGUNITAS C NR PT REYES STATION CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11460600
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 16.90
On/Off RF1:
RF3 Index: 18050005002301.53
RF3 Mile Point: 1.52
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/77-03/05/90	19	10.	10.105	18.	7.	6.183	2.487	7.5	8.	11.	12.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/77-08/07/90	25	85.	128.72	464.	2.	20260.043	142.338	6.	13.	241.	364.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/77-08/10/77	1	334.	334.	334.	334.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/10/77-08/10/77	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/10/77-08/10/77	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/10/77-08/10/77	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/77-08/10/77	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/10/77-08/10/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/10/77-08/10/77	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/10/77-08/10/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/10/77-08/10/77	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/10/77-08/10/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/10/77-08/10/77	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/10/77-08/10/77	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/10/77-08/10/77	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/10/77-08/10/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/10/77-08/10/77	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/10/77-08/10/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/77-08/10/77	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/77-08/10/77	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/10/77-08/10/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/10/77-08/10/77	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/10/77-08/10/77	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/10/77-08/10/77	1	170.	170.	170.	170.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/10/77-08/10/77	1	181.	181.	181.	181.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/10/77-08/10/77	1	0.88	0.88	0.88	0.88	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/10/77-08/10/77	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/25/89-03/05/90	19	93.	87.316	100.	50.	216.339	14.708	57.	82.	98.	100.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/13/90-02/16/90	2	99.5	99.5	100.	99.	0.5	0.707	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/13/90-01/13/90	1	99.	99.	99.	99.	0.	0.	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/13/90-01/13/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/25/89-03/05/90	19	20.	72.684	279.	4.	8120.895	90.116	6.	11.	131.	237.
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	08/07/90-08/07/90	5	8.	8.4	19.	1.	60.8	7.797	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	08/07/90-08/07/90	5	26.	18.4	33.	2.	217.3	14.741	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	08/07/90-08/07/90	5	46.	36.8	72.	6.	791.2	28.128	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	08/07/90-08/07/90	5	53.	50.8	94.	8.	1017.7	31.901	**	**	**	**

** - Less than 9 observations ## - 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: PORE0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	08/07/90-08/07/90	5	59.	58.2	99.	11.	1017.7	31.901	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	08/07/90-08/07/90	5	67.	65.6	100.	17.	925.3	30.419	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	08/07/90-08/07/90	4	80.5	68.5	86.	27.	772.333	27.791	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/07/90-08/07/90	4	91.	80.5	94.	46.	531.667	23.058	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	08/07/90-08/07/90	4	100.	93.75	100.	75.	156.25	12.5	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	08/07/90-08/07/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0132

NPS Station ID: PORE0132
LAT/LON: 38.081199/-122.912755
Agency: 11NPSWRD
Date Created: 10/13/99
Location: NORTH HOME CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM/NRSHRE
STORET Station ID(s): PORE_CADHS_NHC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. NORTH HOME CREEK IS AT A TRIBUTARY TO HOME BAY AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/94-02/10/98	6	13.	13.333	16.5	9.	7.367	2.714	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	03/22/94-02/10/98	6 ##	0.	0.333	1.	0.	0.267	0.516	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/26/93-02/24/98	20	7300.	9839.5	24000.	490.	77878678.684	8824.89	1120.	1825.	16000.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/26/93-02/24/98	20	3.848	3.753	4.38	2.69	0.277	0.526	3.049	3.258	4.204	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5664.015								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/93-02/24/98	20	900.	2247.1	16000.	23.	13784192.726	3712.707	55.1	185.	2200.	5400.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/26/93-02/24/98	20	2.943	2.852	4.204	1.362	0.563	0.75	1.725	2.263	3.342	3.732
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			711.786								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-02/24/98	6	1200.	1740.	5400.	110.	3867080.	1966.489	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0132

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	20	19	0.95	3	3	1.00	8	8	1.00	9	8	0.89			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	20	15	0.75	3	3	1.00	8	6	0.75	9	6	0.67			

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

Station Inventory for Station: PORE0133

NPS Station ID: PORE0133
LAT/LON: 38.081838/-122.931837
Agency: 11NPSWRD
Date Created: 10/13/99
Location: DRAKES ESTERO SAMPLING SITE #8
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_DE8
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. SITE EIGHT IS ONE OF NINETEEN ESTUARY SAMPLING STATIONS LOCATED AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0133

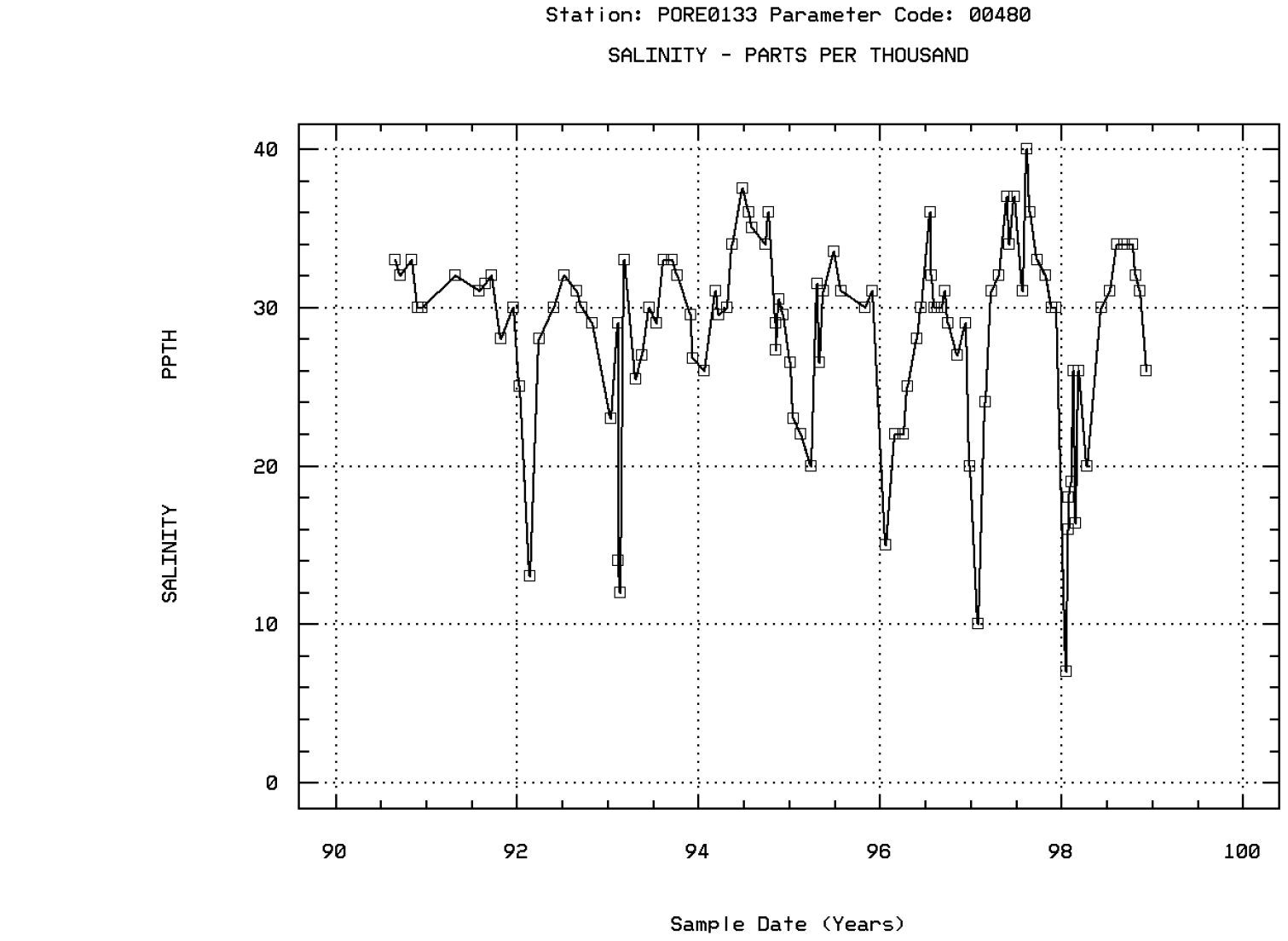
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	100	16.5	16.125	27.	8.5	17.018	4.125	10.53	12.225	19.	21.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	104	30.	28.481	40.	7.	37.915	6.157	19.5	26.125	32.	34.
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	134	8.	333.097	16000.	1.	2256152.299	1502.049	1.	2.	94.25	745.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	134	0.903	1.171	4.204	0.	1.145	1.07	0.	0.301	1.974	2.871
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			14.837								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	135	5.	51.067	2400.	1.	55078.301	234.688	1.	1.	17.	85.4
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	135	0.699	0.788	3.38	0.	0.583	0.763	0.	0.	1.23	1.93
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.144								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	07/23/96-12/08/98	34	7.5	43.912	350.	1.	7054.386	83.99	1.	1.	52.	125.

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

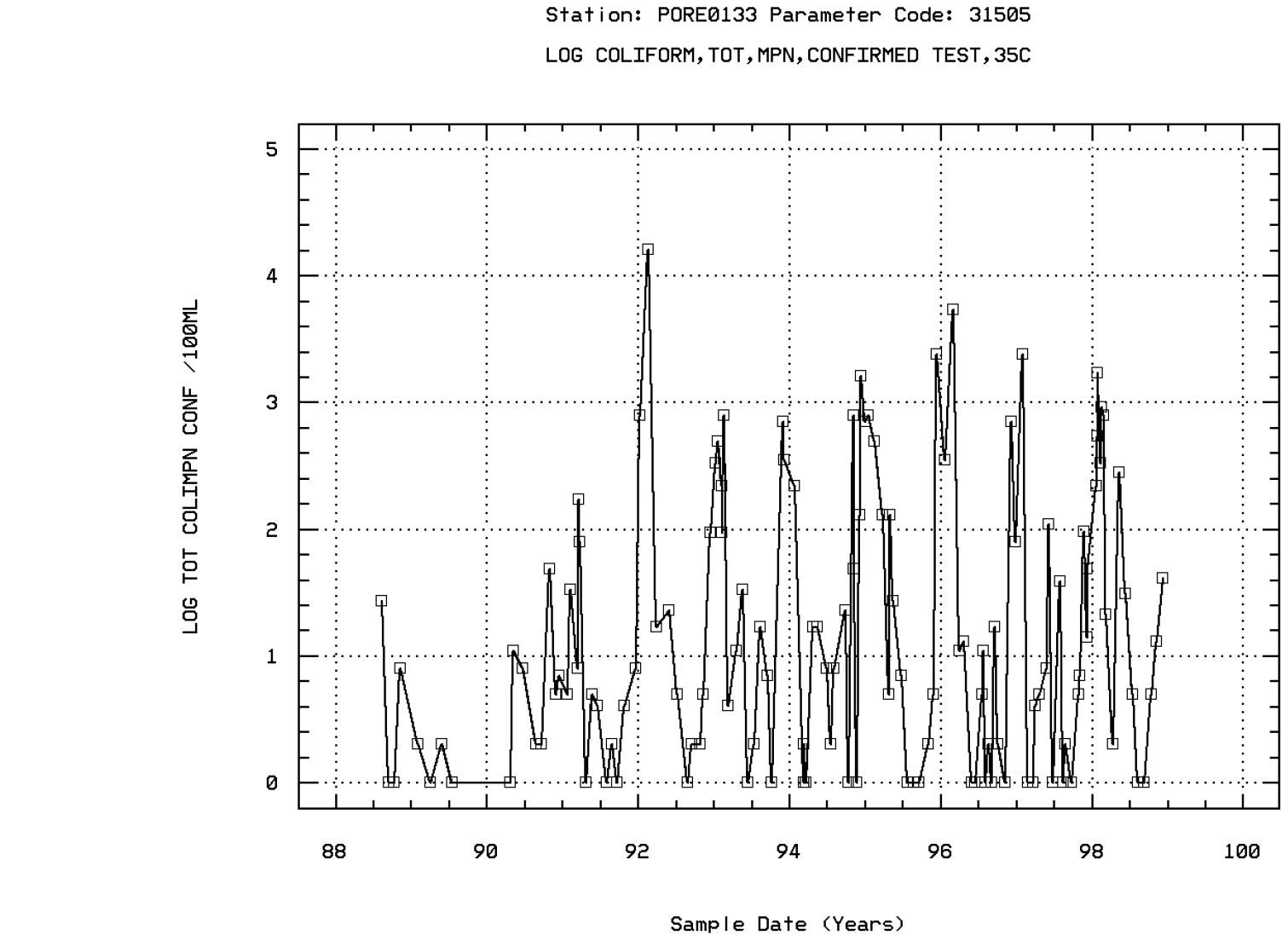
EPA Water Quality Criteria Analysis for Station: PORE0133

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	134	7	0.05	52	0	0.00	36	3	0.08	46	4	0.09			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	135	6	0.04	52	0	0.00	37	1	0.03	46	5	0.11			

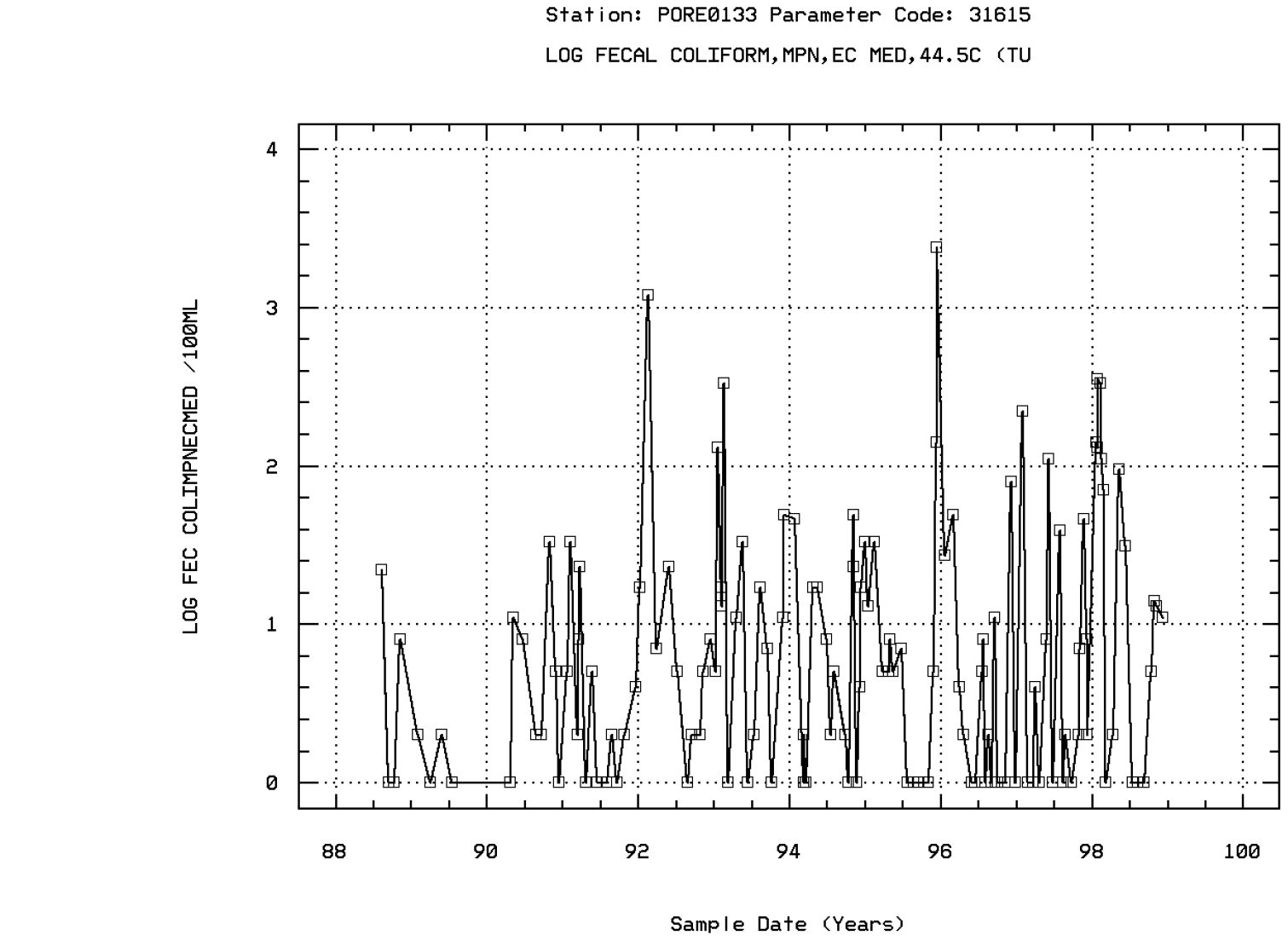
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



DRAKES ESTERO SAMPLING SITE #8



DRAKES ESTERO SAMPLING SITE #8



DRAKES ESTERO SAMPLING SITE #8

Annual Analysis for 1988 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	4 ##	4.5	9.25	27.	1.	150.917	12.285	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	4 ##	0.452	0.584	1.431	0.	0.501	0.708	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.834								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	4 ##	4.5	8.	22.	1.	98.	9.899	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	4 ##	0.452	0.561	1.342	0.	0.452	0.673	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.642								

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

Annual Analysis for 1989 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	4 ##	1.5	1.5	2.	1.	0.333	0.577	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	4 ##	0.151	0.151	0.301	0.	0.03	0.174	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1.414								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	4 ##	1.5	1.5	2.	1.	0.333	0.577	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	4 ##	0.151	0.151	0.301	0.	0.03	0.174	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.414								

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

Annual Analysis for 1990 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	5	14.5	15.9	23.	10.	34.3	5.857	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	5	32.	31.6	33.	30.	2.3	1.517	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	8	6.	10.625	49.	1.	252.268	15.883	**	**	**	**
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	8	0.772	0.723	1.69	0.	0.281	0.53	**	**	**	**
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.28								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	8	3.5	7.875	33.	1.	116.125	10.776	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	8	0.5	0.596	1.519	0.	0.291	0.54	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.94								

** - 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 1991 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	6	15.75	15.75	20.	10.	12.275	3.504	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	6	31.25	30.75	32.	28.	2.375	1.541	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	13	5.	24.692	170.	1.	2376.731	48.752	1.	1.5	20.5	133.6
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	13	0.699	0.797	2.23	0.	0.505	0.71	0.	0.151	1.211	2.097
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.26								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	13	2.	6.769	33.	1.	97.359	9.867	1.	1.	6.5	29.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	13	0.301	0.514	1.519	0.	0.262	0.512	0.	0.	0.801	1.456
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.268								

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

Annual Analysis for 1992 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	8	17.5	17.063	22.	9.	14.46	3.803	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	8	29.5	27.25	32.	13.	37.643	6.135	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	10	11.	1693.9	16000.	1.	25326760.1	5032.57	1.1	2.	268.	14479.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	10	0.965	1.367	4.204	0.	1.757	1.325	0.03	0.301	2.204	4.073
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			23.265								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	10	6.	127.	1200.	1.	142188.889	377.079	1.1	2.	18.5	1082.3
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	10	0.772	0.942	3.079	0.	0.741	0.861	0.03	0.301	1.263	2.907
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.749								

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

Annual Analysis for 1993 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	13	16.5	16.546	22.5	9.	17.288	4.158	9.72	13.4	19.5	22.1
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	14	29.	26.914	33.	12.	43.726	6.613	13.	24.875	32.25	33.
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	15	33.	203.333	790.	1.	73159.952	270.481	1.	4.	350.	736.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	15	1.519	1.557	2.898	0.	1.118	1.057	0.	0.602	2.544	2.866
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			36.028								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	15	11.	41.867	330.	1.	7433.41	86.217	1.	2.	33.	210.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	15	1.041	1.023	2.519	0.	0.572	0.756	0.	0.301	1.519	2.276
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.542								

** - Less than 9 observations ## - Computed with 50% or 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 PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	14	15.5	15.2	24.	8.5	18.014	4.244	9.	11.95	17.5	22.25
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	14	30.75	31.807	37.5	26.	12.736	3.569	26.65	29.375	35.25	36.75
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	16	12.5	179.375	1600.	1.	182549.45	427.258	1.	1.25	109.75	1033.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	16	1.067	1.155	3.204	0.	1.122	1.059	0.	0.075	2.008	2.99
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			14.287								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	16	4.5	12.25	49.	1.	242.2	15.563	1.	1.25	17.	46.9
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	16	0.651	0.72	1.69	0.	0.378	0.615	0.	0.075	1.23	1.671
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.243								

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Annual Analysis for 1995 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	11	15.	16.5	24.	9.5	21.	4.583	10.	12.	21.	23.4
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	11	30.	27.818	33.5	20.	20.264	4.502	20.4	23.	31.	33.1
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	15	27.	472.6	2400.	1.	682755.257	826.29	1.	2.	700.	2400.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	15	1.431	1.56	3.38	0.	1.632	1.278	0.	0.301	2.845	3.38
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			36.289								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	15	5.	177.2	2400.	1.	379369.029	615.929	1.	1.	33.	1044.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	15	0.699	0.948	3.38	0.	0.849	0.921	0.	0.	1.519	2.64
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.873								

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Annual Analysis for 1996 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	16	17.	16.125	20.	11.	11.717	3.423	11.	12.25	19.	20.
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	16	29.	27.25	36.	15.	27.533	5.247	18.5	22.75	30.	33.2
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	16	8.	412.188	5400.	1.	1804073.496	1343.158	1.	1.	63.5	2110.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	16	0.87	1.047	3.732	0.	1.344	1.159	0.	0.	1.731	3.111
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			11.136								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	16	2.	12.125	79.	1.	483.983	22.	1.	1.	10.25	58.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	16	0.301	0.554	1.898	0.	0.435	0.66	0.	0.	1.007	1.752
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.582								

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Annual Analysis for 1997 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	14	18.	17.821	27.	10.	25.639	5.063	10.25	13.5	21.5	25.5
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	14	32.	31.214	40.	10.	52.643	7.256	17.	30.	36.25	38.5
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	17	5.	161.353	2400.	1.	333927.493	577.865	1.	1.	44.	568.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	17	0.699	0.934	3.38	0.	0.896	0.947	0.	0.	1.641	2.309
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			8.588								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	17	2.	26.706	220.	1.	3263.971	57.131	1.	1.	23.5	132.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	17	0.301	0.694	2.342	0.	0.609	0.781	0.	0.	1.247	2.102
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.94								

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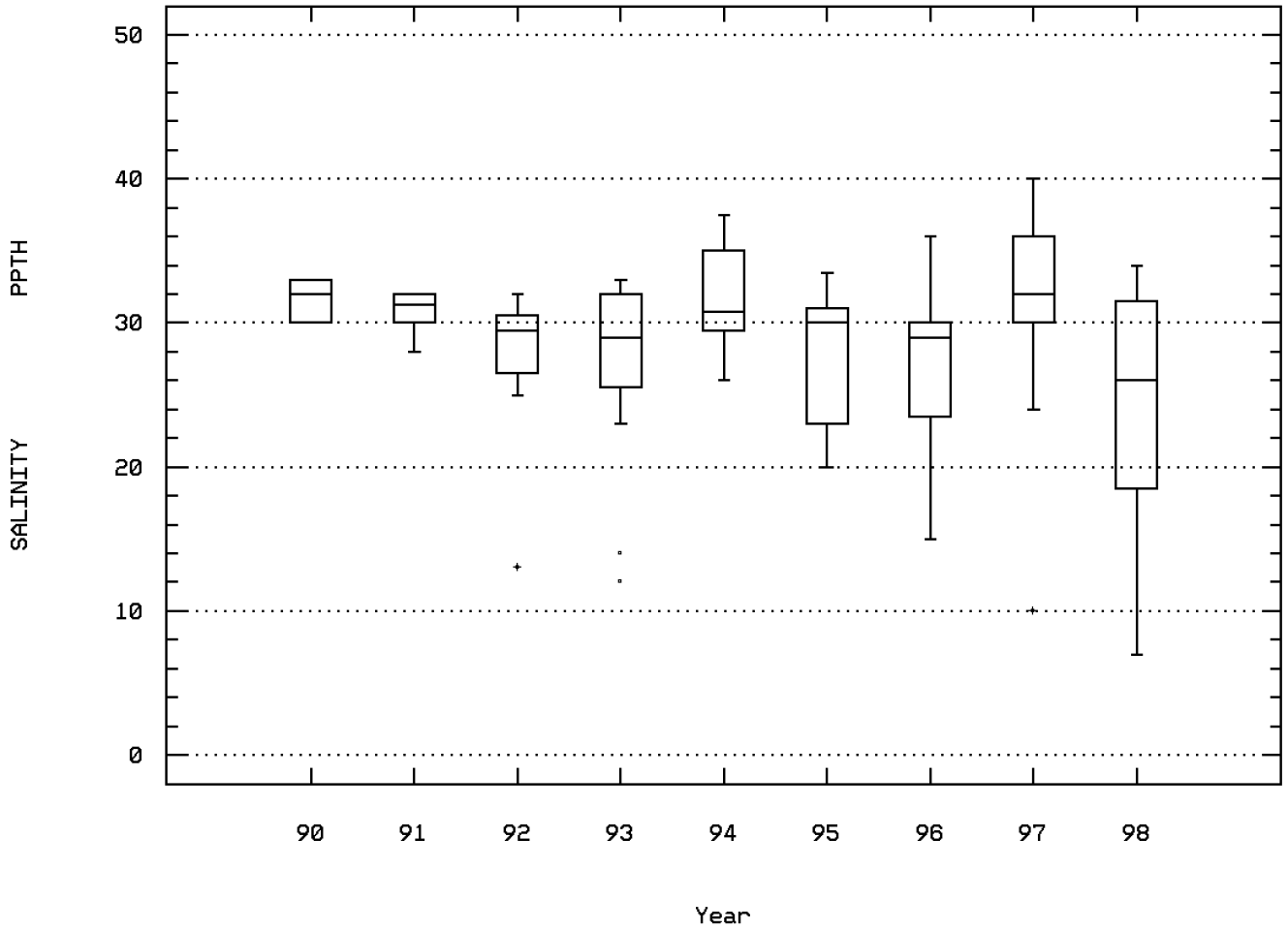
Annual Analysis for 1998 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	13	14.6	14.238	20.	9.	9.483	3.079	9.8	11.5	16.25	19.2
00480p	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	16	26.	25.025	34.	7.	65.397	8.087	13.3	18.25	31.75	34.
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	16	36.	306.25	1700.	1.	226032.2	475.428	1.	5.	487.5	1154.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	16	1.552	1.648	3.23	0.	1.221	1.105	0.	0.699	2.679	3.044
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			44.486								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	17	14.	76.765	350.	1.	12201.691	110.461	1.	1.5	120.	334.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	17	1.146	1.234	2.544	0.	0.87	0.933	0.	0.151	2.078	2.524
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.144								

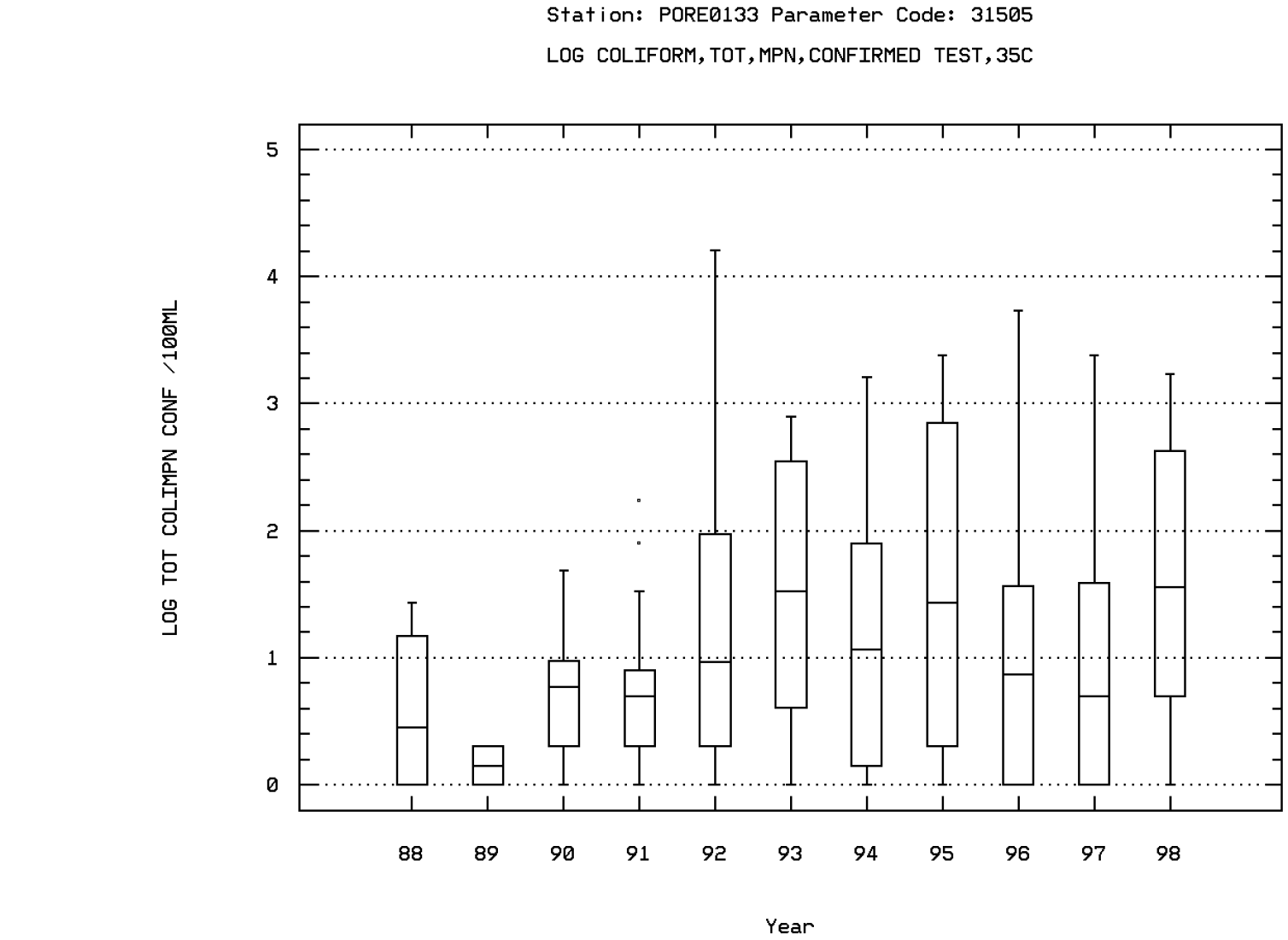
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PORE0133 Parameter Code: 00480

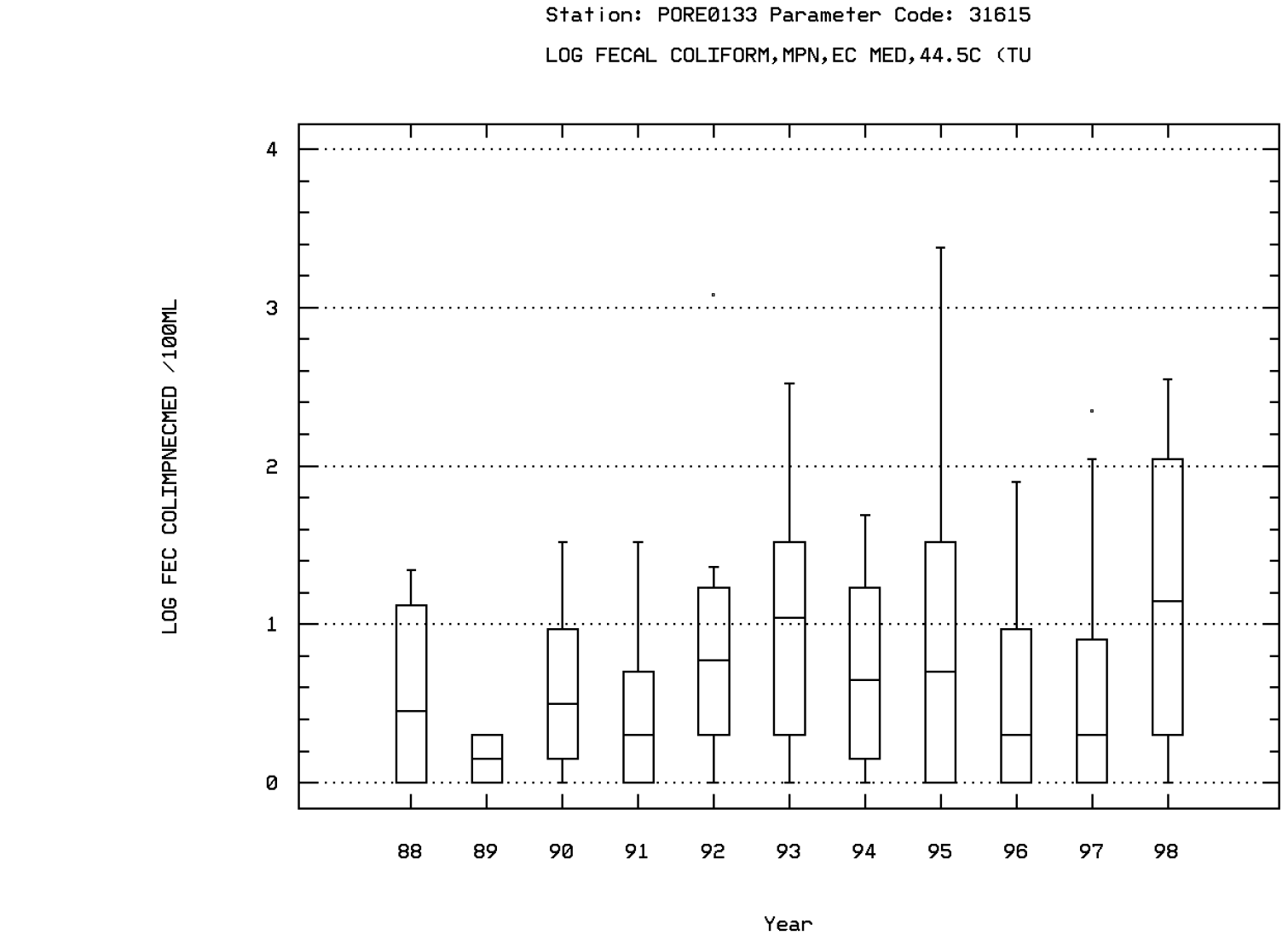
SALINITY - PARTS PER THOUSAND



DRAKES ESTERO SAMPLING SITE #8



DRAKES ESTERO SAMPLING SITE #8



DRAKES ESTERO SAMPLING SITE #8

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	41	19.	19.463	27.	16.	6.042	2.458	16.6	18.	20.25	23.8
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	43	32.	32.36	40.	27.	7.623	2.761	29.4	30.	34.	36.6
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	52	2.	9.308	110.	1.	298.021	17.263	1.	1.	8.	27.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	52	0.301	0.551	2.041	0.	0.329	0.573	0.	0.	0.903	1.431
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.559								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	52	2.	8.	110.	1.	286.196	16.917	1.	1.	7.75	22.7
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	52	0.301	0.474	2.041	0.	0.301	0.549	0.	0.	0.889	1.356
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.98								

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Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0133

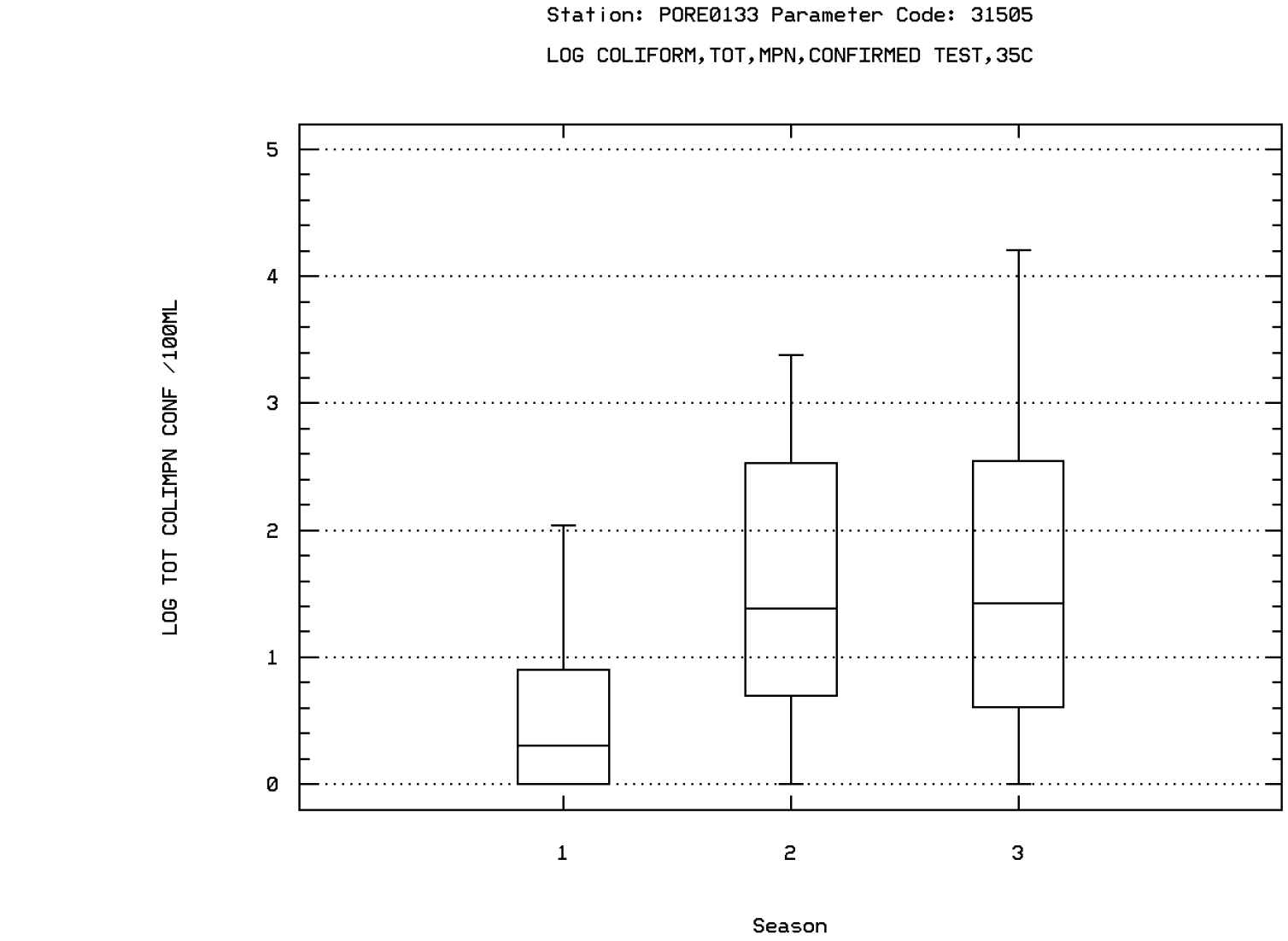
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	28	11.	12.461	21.	8.5	10.115	3.18	9.	10.	15.	16.65
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	28	29.75	29.111	36.	20.	10.57	3.251	24.8	27.075	30.875	33.1
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	36	27.5	317.778	2400.	1.	384138.635	619.789	1.	5.	345.	1033.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	36	1.379	1.513	3.38	0.	1.151	1.073	0.	0.699	2.538	2.99
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			32.565								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	37	7.	81.459	2400.	1.	154209.811	392.696	1.	2.	20.	55.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	37	0.845	0.895	3.38	0.	0.538	0.733	0.	0.301	1.296	1.732
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.858								

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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station PORE0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/98	31	15.	15.019	22.5	11.	9.973	3.158	11.16	12.	17.	20.7
00480	SALINITY - PARTS PER THOUSAND	08/29/90-12/08/98	33	24.	22.891	33.	7.	50.318	7.093	12.4	17.2	29.25	31.8
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/09/88-12/08/98	46	27.	711.109	16000.	1.	6101667.343	2470.155	1.	4.	385.	1154.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/09/88-12/08/98	46	1.42	1.605	4.204	0.	1.387	1.178	0.	0.602	2.581	3.044
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			40.271								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	46	9.5	75.304	1200.	1.	36815.461	191.874	1.	2.	54.25	253.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/09/88-12/08/98	46	0.972	1.058	3.079	0.	0.767	0.876	0.	0.301	1.729	2.395
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.42								

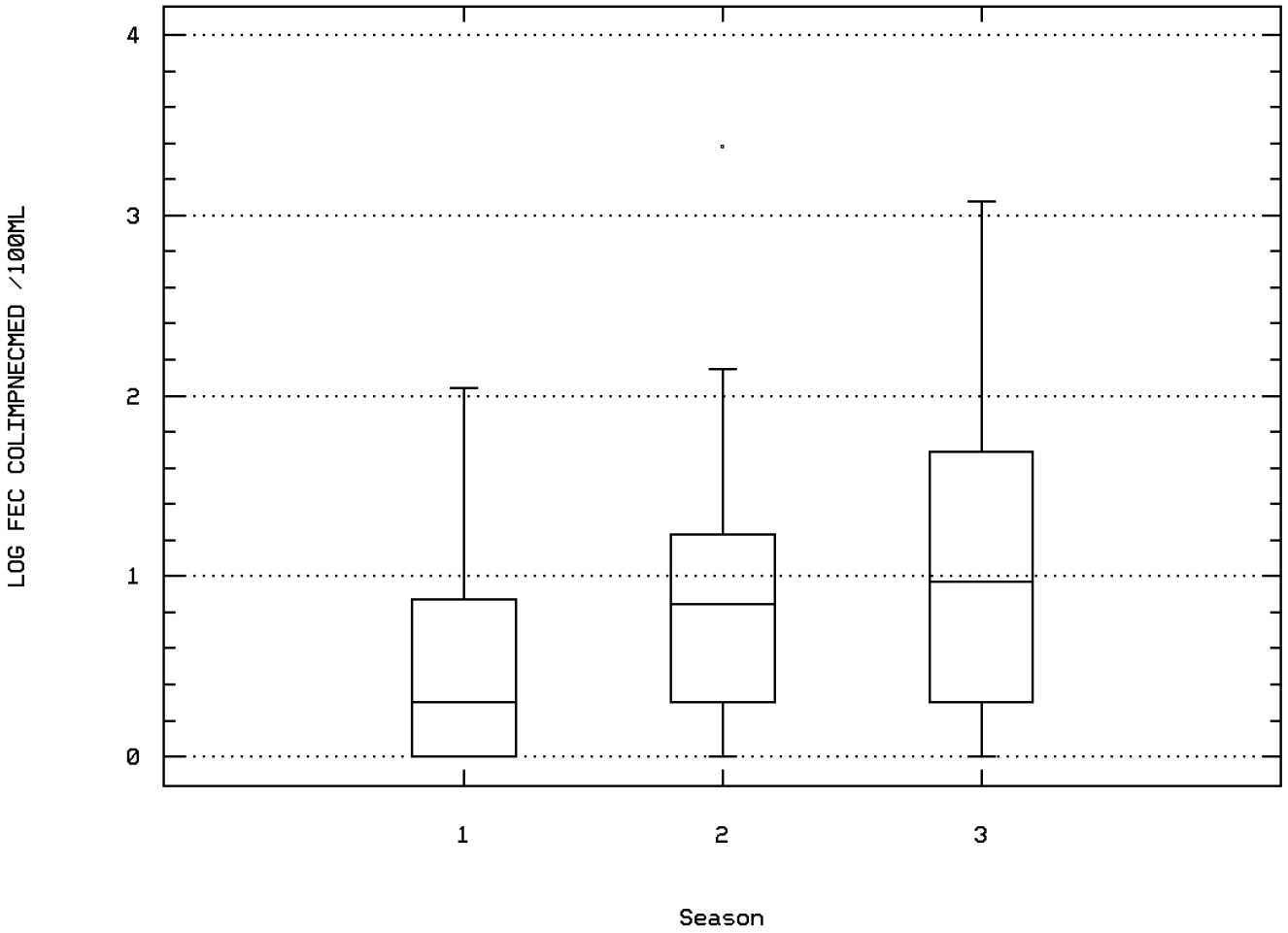
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DRAKES ESTERO SAMPLING SITE #8

Station: PORE0133 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



DRAKES ESTERO SAMPLING SITE #8

Station Inventory for Station: PORE0134

NPS Station ID: PORE0134
LAT/LON: 38.084171/-122.814170
Agency: 21CAL-4
Date Created: 06/28/80
Location: GRAND CANYON AT HWY 1
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1801201
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 11.20
On/Off RF1:
RF3 Index: 18050005002102.19
RF3 Mile Point: 2.92
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	53.	52.667	53.	52.	0.333	0.577	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	0.5	10.333	30.	0.5	290.083	17.032	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	3	883.	747.333	1180.	179.	264304.333	514.105	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	3	8.5	8.567	10.3	6.9	2.893	1.701	**	**	**	**
00400	PH (STANDARD UNITS)	01/09/79-01/11/79	3	7.1	7.067	7.1	7.	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/09/79-01/11/79	3	7.1	7.064	7.1	7.	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/09/79-01/11/79	3	0.079	0.086	0.1	0.079	0.	0.012	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.16	0.64	1.74	0.02	0.912	0.955	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	3	2400.	9600.	24000.	2400.	155520000.	12470.766	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/09/79-01/11/79	3	3.38	3.714	4.38	3.38	0.333	0.577	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5170.643								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	2400.	2133.333	2400.	1600.	213333.333	461.88	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	3.38	3.322	3.38	3.204	0.01	0.102	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2096.593								

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

EPA Water Quality Criteria Analysis for Station: PORE0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 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	Fresh Chronic	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	3	1.00				3	3	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	3	1.00				3	3	1.00						

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

Station Inventory for Station: PORE0135

NPS Station ID: PORE0135
LAT/LON: 38.085865/-122.746753
Agency: 11NPSWRD
Date Created: 07/11/98
Location: CENTER OF NICASIO RESERVOIR
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_USGS_NR
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN GERONIMO CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON NICASIO RESERVOIR APPROXIMATELY 3 MILES NORTH OF JEWELL AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE EXACT SAMPLING LOCATION WAS NOT SPECIFIED IN THE REPORT; SO THE APPROXIMATE CENTER OF THE LAKE WAS DIGITIZED TO DETERMINE THE LATITUDE AND LONGITUDE FOR THE SITE. ONE SAMPLE FOR THIS SITE WAS COLLECTED ON 8 AUGUST 1972. THE RESULTS ARE IN "LIMNOLOGICAL DATA FROM SELECTED LAKES IN THE SAN FRANCISCO BAY REGION; CALIFORNIA" BY LINDA BRITTON; RODGER F. FERREIRA; AND ROBERT C. AVERETT (UNITED STATES GEOLOGICAL SURVEY-WATER RESOURCES DIVISION "OPEN-FILE REPORT;" 25 JUNE 1974). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: PORE0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/72-08/08/72	1	224.	224.	224.	224.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/08/72-08/08/72	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/08/72-08/08/72	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/72-08/08/72	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/72-08/08/72	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/08/72-08/08/72	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/08/72-08/08/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/08/72-08/08/72	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/72-08/08/72	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/08/72-08/08/72	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/08/72-08/08/72	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/08/72-08/08/72	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/08/72-08/08/72	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/08/72-08/08/72	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/08/72-08/08/72	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/08/72-08/08/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/08/72-08/08/72	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/08/72-08/08/72	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/08/72-08/08/72	1	20.	20.	20.	20.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: PORE0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/08/72-08/08/72	1	120.	120.	120.	120.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0136

NPS Station ID: PORE0136
LAT/LON: 38.086753/-122.955866
Agency: 11NPSWRD
Date Created: 10/13/99
Location: CREAMERY CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM/NRSHRE
STORET Station ID(s): PORE_CADHS_CC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. CREAMERY CREEK IS AT A TRIBUTARY TO CREAMERY BAY AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. BULL POINT CREEK WAS ASSUMED TO BE SYNONYMOUS WITH CREAMERY CREEK. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/94-10/27/98	5	15.5	16.3	21.	12.5	10.075	3.174	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11/07/94-10/27/98	5 ##	0.	0.5	2.5	0.	1.25	1.118	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	11/07/94-02/24/98	13	5400.	9915.385	24000.	2400.	58078076.923	7620.897	2840.	4200.	16000.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	11/07/94-02/24/98	13	3.732	3.881	4.38	3.38	0.108	0.329	3.446	3.617	4.204	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7601.866								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/07/94-10/27/98	14	1200.	2283.429	16000.	68.	16651413.802	4080.614	119.	302.5	2350.	9750.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/07/94-10/27/98	14	3.078	2.968	4.204	1.833	0.373	0.611	2.031	2.474	3.369	3.874
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			928.541								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-10/27/98	6	640.	1203.	3500.	68.	1860894.	1364.146	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0136

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	13	13	1.00	1	1	1.00	8	8	1.00	4	4	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	14	12	0.86	1	1	1.00	9	8	0.89	4	3	0.75			

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

Station Inventory for Station: PORE0137

NPS Station ID: PORE0137 LAT/LON: 38.088059/-122.731949 Agency: 11EPALES Date Created: / /
Location: NICASIO RESERVOIR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 061702
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 30 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050005008 RF1 Mile Point: 2.040 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18050002096200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
NE BASIN; 095 DEGREES FR CAUSEWAY TO MAIN ISLAND SEPARATES ALL BASINS; 160 DEGREES FR HOUSES ON N SHORE.
COMMENTS: 3-13 ULE 19, INTEG 15 FT. 6-26 ULE 19, DEPTH 32 FT.
11-11 ULE 19; 1% LIGHT, 4 FT; INTEG 10 FT; DEPTH 13 FT. MAP: SAN GERONIMO QUAD

Parameter Inventory for Station: PORE0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/75-11/11/75	11	15.	14.445	17.2	11.2	6.283	2.507	11.24	11.6	17.2	17.2
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/13/75-11/11/75	11	80.	76.727	86.	42.	153.018	12.37	48.4	74.	85.	86.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/13/75-11/11/75	3	15.	17.	24.	12.	39.	6.245	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/75-11/11/75	11	145.	138.182	166.	112.	504.564	22.462	112.	112.	165.	165.8
00300	OXYGEN, DISSOLVED MG/L	03/13/75-11/11/75	11	8.8	8.691	11.	6.6	1.451	1.205	6.68	8.	9.4	10.68
00400	PH (STANDARD UNITS)	03/13/75-11/11/75	11	7.7	7.768	8.	7.6	0.025	0.157	7.6	7.6	7.9	8.
00400	CONVERTED PH (STANDARD UNITS)	03/13/75-11/11/75	11	7.7	7.744	8.	7.6	0.025	0.159	7.6	7.6	7.9	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/75-11/11/75	11	0.02	0.018	0.025	0.01	0.	0.006	0.01	0.013	0.025	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/75-11/11/75	11	65.	64.182	70.	57.	16.964	4.119	57.6	60.	67.	70.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/13/75-11/11/75	11	0.04	0.042	0.1	0.01	0.001	0.026	0.01	0.01	0.05	0.092
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/75-11/11/75	11	0.4	0.4	0.7	0.3	0.016	0.126	0.3	0.3	0.5	0.66
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/13/75-11/11/75	11	0.19	0.255	0.52	0.01	0.048	0.219	0.01	0.01	0.52	0.52
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/75-11/11/75	10	0.054	0.069	0.107	0.038	0.001	0.028	0.039	0.045	0.099	0.107
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/13/75-11/11/75	10	0.012	0.025	0.055	0.006	0.	0.021	0.006	0.009	0.049	0.055
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	03/13/75-11/11/75	3	7.1	8.3	14.	3.8	27.09	5.205	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	03/13/75-11/11/75	3	30.	25.	32.	13.	109.	10.44	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0137

Parameter				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
00400	PH	Fresh Chronic	9.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	4	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: PORE0138

NPS Station ID: PORE0138
LAT/LON: 38.090893/-122.927921
Agency: 11NPSWRD
Date Created: 10/13/99
Location: EAST SCHOONER CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_CADHS_ESC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. EAST SCHOONER CREEK IS AT A TRIBUTARY TO SCHOONER BAY AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/91-10/27/98	22	15.	15.182	23.	8.	17.418	4.173	9.65	12.25	17.75	21.7
00480	SALINITY - PARTS PER THOUSAND	10/29/91-10/27/98	20	3.05	10.84	37.	0.	170.915	13.073	0.	0.775	24.	33.8
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	33	3500.	6667.636	24000.	2.	66814885.614	8174.037	382.	1200.	9100.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/29/91-02/24/98	33	3.544	3.394	4.38	0.301	0.69	0.83	2.576	3.078	3.959	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2476.629								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	34	79.	1256.294	24000.	1.	17447940.699	4177.073	15.	49.	480.	2850.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	34	1.898	2.151	4.38	0.	0.829	0.911	1.103	1.69	2.675	3.443
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			141.467								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-10/27/98	7	79.	592.857	3500.	33.	1647542.81	1283.566	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0138

				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	33	26	0.79	7	4	0.57	15	12	0.80	11	10	0.91			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	34	11	0.32	7	2	0.29	16	5	0.31	11	4	0.36			

& - 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: 5/15 to 10/09 - Station PORE0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/91-10/27/98	7	16.5	18.5	23.	15.	11.25	3.354	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	7	1300.	2828.857	9200.	2.	11972795.81	3460.173	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/29/91-02/24/98	7	3.114	2.717	3.964	0.301	1.677	1.295	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			521.166								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	7	79.	990.143	5400.	1.	4000784.476	2000.196	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	7	1.898	1.827	3.732	0.	1.827	1.352	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			67.115								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/91-10/27/98	9	12.5	12.389	17.	8.	8.049	2.837	8.	10.	14.75	17.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	15	5400.	10122.667	24000.	460.	110742863.81	10523.444	478.	1100.	24000.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/29/91-02/24/98	15	3.732	3.638	4.38	2.663	0.445	0.667	2.679	3.041	4.38	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4343.807								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	16	150.	2064.5	24000.	7.	35220650.267	5934.699	18.2	56.5	1432.5	9650.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	16	2.172	2.335	4.38	0.845	0.824	0.908	1.207	1.742	3.123	3.795
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			216.099								

** - Less than 9 observations ## - Computed with 50% or more 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: 1/15 to 5/14 - Station PORE0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/91-10/27/98	6	14.5	15.5	20.5	9.5	17.2	4.147	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	11	3500.	4399.091	16000.	490.	17701809.091	4207.352	652.	1700.	5400.	13880.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/29/91-02/24/98	11	3.544	3.492	4.204	2.69	0.157	0.396	2.775	3.23	3.732	4.11
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3103.596								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	11	79.	250.091	1300.	23.	138368.491	371.979	25.	49.	330.	1126.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-10/27/98	11	1.898	2.089	3.114	1.362	0.272	0.522	1.393	1.69	2.519	3.018
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			122.772								

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

Station Inventory for Station: PORE0139

NPS Station ID: PORE0139
Location: TOMALES BAY A BIVALVE
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 18050005
Major Basin: CALIFORNIA
Minor Basin: SAN FRANCISCO BAY BASIN
RF1 Index: 18050005012
RF3 Index: 18050002003407.65
Description:
TOMALES BAY A BIVALVE

LAT/LON: 38.092504/-122.826671
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.800
RF3 Mile Point: 11.01

Agency: 21CAL-1
FIPS State/County: 06041 CALIFORNIA/MARIN
STORET Station ID(s): E1B80552496
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.03

Date Created: 04/26/86
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: PORE0139

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: PORE0140

NPS Station ID: PORE0140
LAT/LON: 38.092809/-122.916309
Agency: 11NPSWRD
Date Created: 08/14/99
Location: EAST SCHOONER
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_MMWD_DES2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE EAST SCHOONER SITE IS AT A STREAM NEAR BLACKSMITH SHOP AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	1	441.	441.	441.	441.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-04/16/97	1	2.644	2.644	2.644	2.644	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			441.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	1	3.	3.	3.	3.	0.	0.	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	160.	160.	160.	160.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0141

NPS Station ID: PORE0141 LAT/LON: 38.092892/-122.915227 Agency: 11NPSWRD Date Created: 05/31/99
Location: UNNAMED CREEK FLOWING INTO SCHOONER BAY FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PORE_ANIMA_S2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 80 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED CREEK WHICH FLOWS INTO SCHOONER BAY. THE CREEK PARALLELS SIR FRANCIS DRAKE HIGHWAY. THE SITE IS LOCATED JUST DOWNSTREAM FROM THE CULVERT OF THE ROAD TO THE ESTERO TRAILHEAD. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/29/87	2	14.25	14.25	14.5	14.	0.125	0.354	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-10/29/87	2	323.5	323.5	350.	297.	1404.5	37.477	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-11/02/87	3	7.	21.667	56.	2.	890.333	29.838	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-10/29/87	2	0.365	0.365	0.39	0.34	0.001	0.035	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-11/02/87	3	0.062	0.149	0.37	0.014	0.037	0.193	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-10/29/87	2	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-10/29/87	2	0.27	0.27	0.3	0.24	0.002	0.042	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-11/02/87	3	0.07	0.413	1.16	0.01	0.419	0.647	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-11/02/87	2	0.107	0.107	0.167	0.047	0.007	0.085	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/87-10/29/87	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-10/29/87	1	0.022	0.022	0.022	0.022	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-11/02/87	3	0.017	0.017	0.023	0.011	0.	0.006	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/29/87-10/29/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-11/02/87	3	0.827	2.32	6.	0.132	10.279	3.206	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-11/02/87	2	22.15	22.15	24.9	19.4	15.125	3.889	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-11/02/87	3	0.091	0.434	1.186	0.025	0.425	0.652	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-11/02/87	3	0.03	0.023	0.03	0.01	0.	0.012	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-11/02/87	3	0.006	0.005	0.007	0.003	0.	0.002	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0141

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	3	0	0.00	1	0	0.00	2	0	0.00						

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

Station Inventory for Station: PORE0142

NPS Station ID: PORE0142
LAT/LON: 38.093615/-122.912504
Agency: 21CAL-1
Date Created: 01/19/80
Location: SCHOONER BAY C A BLACKSMITH SHOP
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1816901 /2012002
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050005004800.00
RF3 Mile Point: 0.18
Distance from RF3: 0.02
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 35 ;
STATION NAME: SCHOONER BAY C A BLACKSMITH SHOP ; DWR COUNTY CODE: 21; LATITUDE: 380537; LONGITUDE: 1225445;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03N, RANGE 10, SECTION 24FBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/08/54-01/08/54	1	48.2	48.2	48.2	48.2	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/08/54-01/08/54	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/08/54-01/08/54	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/08/54-01/08/54	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/08/54-01/08/54	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/08/54-01/08/54	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/08/54-01/08/54	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/08/54-01/08/54	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/08/54-01/08/54	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/08/54-01/08/54	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/08/54-01/08/54	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/08/54-01/08/54	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/08/54-01/08/54	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/08/54-01/08/54	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/08/54-01/08/54	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/08/54-01/08/54	1	40.	40.	40.	40.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/08/54-01/08/54	1	38.	38.	38.	38.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/08/54-01/08/54	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0142

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: PORE0143

NPS Station ID: PORE0143 LAT/LON: 38.093837/-122.834060 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - POINT REYES STATION DELTA FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_14
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR THE POINT REYES STATION DELTA AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0143

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0144

NPS Station ID: PORE0144 | LAT/LON: 38.094198/-122.930782 | Agency: 11NPSWRD | Date Created: 10/13/99
Location: NORTH SCHOONER CREEK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_CADHS_NSC
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY CA-MARIN CO. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE. NORTH SCHOONER CREEK IS AT A TRIBUTARY TO SCHOONER BAY AT DRAKES ESTERO INSIDE POINT REYES NATIONAL SEASHORE. DATA WERE COLLECTED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES FOR THEIR ANNUAL REEVALUATION OF SHELLFISH GROWING AREA CLASSIFICATIONS FOR DRAKES ESTERO. LATITUDE AND LONGITUDE VALUES WERE ESTIMATED FROM A ROUGH MAP PROVIDED BY THE DEPARTMENT OF HEALTH SERVICES. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/91-02/10/98	22	16.	15.136	25.5	3.5	25.981	5.097	8.3	11.25	18.375	21.75
00480	SALINITY - PARTS PER THOUSAND	10/29/91-02/10/98	22	16.5	17.127	39.	0.	172.637	13.139	0.3	4.5	28.25	35.75
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	34	1320.	5848.441	24000.	1.	75311562.739	8678.223	3.5	133.	9200.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/29/91-02/24/98	34	3.102	2.778	4.38	0.	1.857	1.363	0.5	2.008	3.964	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			599.75								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	34	150.	374.647	2400.	1.	366718.963	605.573	1.5	22.	377.5	1400.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	34	2.172	1.935	3.38	0.	0.93	0.964	0.151	1.342	2.574	3.136
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			86.06								
61206	E.COLI, WATER, MMO-MUG, MPN MPN/100ML	03/25/97-02/24/98	6	225.	160.833	230.	22.	10693.767	103.411	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0144

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	34	17	0.50	7	0	0.00	15	8	0.53	12	9	0.75			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	34	14	0.41	7	1	0.14	15	6	0.40	12	7	0.58			

& - 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: 5/15 to 10/09 - Station PORE0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	7	11.	144.286	700.	1.	70490.571	265.501	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/29/91-02/24/98	7	1.041	1.196	2.845	0.	1.135	1.065	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			15.719								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	7	5.	61.429	230.	1.	9833.619	99.165	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	7	0.699	0.988	2.362	0.	0.937	0.968	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.734								

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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station PORE0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	15	2200.	7756.467	24000.	1.	98873953.838	9943.538	8.8	170.	16000.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/29/91-02/24/98	15	3.342	2.963	4.38	0.	1.863	1.365	0.688	2.23	4.204	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			917.331								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	15	170.	374.267	1700.	1.	241982.638	491.917	1.6	49.	700.	1340.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	15	2.23	2.053	3.23	0.	0.862	0.929	0.181	1.69	2.845	3.117
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			112.856								

** - 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 #3: 1/15 to 5/14 - Station PORE0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/29/91-02/24/98	12	2800.	6790.833	24000.	220.	73417808.333	8568.419	253.	1130.	9200.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/29/91-02/24/98	12	3.447	3.47	4.38	2.342	0.421	0.649	2.395	3.037	3.964	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2950.107								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	12	225.	557.833	2400.	22.	687776.152	829.323	25.3	69.25	482.5	2340.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/29/91-02/24/98	12	2.352	2.34	3.38	1.342	0.413	0.642	1.395	1.796	2.683	3.369
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			218.662								

** - Less than 9 observations ## - Computed 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: PORE0145

NPS Station ID: PORE0145
LAT/LON: 38.095726/-122.865116
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-001 RAW CREEK WATER @ PLANT 1
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/001-F1-RAW
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 7.80
On/Off RF1:
RF3 Index: 18050005014700.00
RF3 Mile Point: 1.99
Distance from RF3: 0.71
On/Off RF3:
Description:
DIST 04 INVERNESS PUD

Parameter Inventory for Station: PORE0145

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: PORE0146

NPS Station ID: PORE0146
LAT/LON: 38.101199/-122.864421
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-001 RAW CREEK WATER @ PLANT 2
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/001-F2-RAW
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 5.80
On/Off RF1:
RF3 Index: 18050005013900.00
RF3 Mile Point: 1.57
Distance from RF3: 0.00
On/Off RF3:
Description:
DIST 04 INVERNESS PUD

Parameter Inventory for Station: PORE0146

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: PORE0147

NPS Station ID: PORE0147 LAT/LON: 38.101365/-122.923838 Agency: 11NPSWRD Date Created: 05/31/99
Location: UNNAMED CREEK FLOWING NNE INTO SCHOONER BAY FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PORE_ANIMA_S1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 80 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED CREEK WHICH FLOWS NORTH-NORTHEAST INTO SCHOONER BAY. THE SITE IS LOCATED AT THE OUTLET OF A STOCK WATERING IMPOUNDMENT ABOUT 30 METERS DOWNSTREAM FROM THE EUCALYPTUS GROVE. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/87-09/29/88	11	12.9	13.073	16.8	11.4	1.97	1.404	11.54	12.1	13.5	16.14
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/17/87-09/29/88	13	566.	555.846	711.	326.	18251.974	135.1	345.2	410.5	673.	710.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/20/87-09/29/88	11	29.	30.	62.	11.	216.2	14.704	11.8	17.	38.	58.4
00600	NITROGEN, TOTAL (MG/L AS N)	11/20/87-06/09/88	10	1.795	1.639	2.49	0.82	0.361	0.601	0.828	0.983	2.1	2.469
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	11/20/87-06/09/88	10	0.154	0.233	0.559	0.041	0.038	0.195	0.043	0.095	0.418	0.559
00602	NITROGEN, DISSOLVED (MG/L AS N)	11/20/87-06/09/88	10	1.41	1.411	2.09	0.64	0.31	0.557	0.647	0.823	1.94	2.078
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/20/87-06/09/88	10	0.715	0.754	1.14	0.43	0.054	0.233	0.433	0.595	0.923	1.134
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/17/87-09/29/88	13	0.13	0.464	1.29	0.001	0.269	0.518	0.005	0.075	1.045	1.25
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/20/87-06/09/88	10	0.164	0.197	0.344	0.124	0.005	0.074	0.125	0.135	0.257	0.337
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/20/87-06/09/88	10	0.137	0.151	0.252	0.095	0.003	0.054	0.095	0.107	0.185	0.25
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	11/20/87-06/09/88	10	0.039	0.046	0.133	0.	0.002	0.044	0.001	0.006	0.084	0.129
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/17/87-09/29/88	13	0.076	0.098	0.188	0.03	0.003	0.054	0.03	0.061	0.157	0.182
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	11/20/87-06/09/88	10	0.067	0.075	0.137	0.051	0.001	0.026	0.051	0.053	0.087	0.133
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	11/20/87-06/09/88	10	1.24	2.243	6.372	0.434	4.56	2.136	0.446	0.594	4.502	6.212
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/17/87-09/29/88	13	23.8	23.454	30.1	9.7	40.281	6.347	11.18	20.6	29.55	30.02
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	11/17/87-09/29/88	13	0.216	0.515	1.337	0.003	0.289	0.537	0.011	0.085	1.142	1.311
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/17/87-09/29/88	13	0.06	0.064	0.17	0.002	0.003	0.052	0.003	0.02	0.105	0.158
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/17/87-09/29/88	13	0.02	0.049	0.16	0.003	0.003	0.057	0.003	0.007	0.11	0.148

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

EPA Water Quality Criteria Analysis for Station: PORE0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	13	0	0.00	2	0	0.00	8	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: PORE0148

NPS Station ID: PORE0148 LAT/LON: 38.103420/-122.849532 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY; MID-BAY AT MILLERTON CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_MILRTON
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR THE MIDDLE OF MILLERTON CHANNEL AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	1	20.3	20.3	20.3	20.3	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: PORE0149

NPS Station ID: PORE0149 LAT/LON: 38.104116/-122.850781 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - SOUTH DOUBLE POINT CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_UP_13
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR SOUTH DOUBLE POINT CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0149

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0150

NPS Station ID: PORE0150
LAT/LON: 38.105365/-122.879338
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-001 RAW CREEK WATER
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/001-D7-RAW
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 14.50
On/Off RF1:
RF3 Index: 18050002003404.91
RF3 Mile Point: 14.41
Distance from RF3: 1.58
On/Off RF3:
Description:
DIST 04 INVERNESS PUD

Parameter Inventory for Station: PORE0150

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: PORE0151

NPS Station ID: PORE0151
LAT/LON: 38.109449/-122.838892
Agency: 21CAL-4
Date Created: 06/28/80
Location: MILLERTON GULCH AT HWY 1
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1803501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005012
RF1 Mile Point: 2.370
Distance from RF1: 6.40
On/Off RF1: OFF
RF3 Index: 18050005013500.00
RF3 Mile Point: 0.15
Distance from RF3: 0.50
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	53.	52.667	53.	52.	0.333	0.577	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	10.	23.333	50.	10.	533.333	23.094	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	3	455.	431.	650.	188.	53793.	231.933	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	3	9.9	10.033	10.3	9.9	0.053	0.231	**	**	**	**
00400	PH (STANDARD UNITS)	01/09/79-01/11/79	3	7.3	7.233	7.3	7.1	0.013	0.115	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/09/79-01/11/79	3	7.3	7.223	7.3	7.1	0.014	0.116	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/09/79-01/11/79	3	0.05	0.06	0.079	0.05	0.	0.017	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.22	0.2	0.36	0.02	0.029	0.171	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	3	2400.	9600.	24000.	2400.	155520000.	12470.766	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/09/79-01/11/79	3	3.38	3.714	4.38	3.38	0.333	0.577	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5170.643								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	2400.	4400.	9200.	1600.	17440000.	4176.123	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	3.38	3.516	3.964	3.204	0.158	0.398	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3281.253								

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

EPA Water Quality Criteria Analysis for Station: PORE0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 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	Fresh Chronic	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	3	1.00				3	3	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	3	1.00				3	3	1.00						

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

Station Inventory for Station: PORE0152

NPS Station ID: PORE0152 LAT/LON: 38.109726/-122.864449 Agency: 21CAL-4 Date Created: 06/28/80
Location: TOMALES BAY TRIB AT CHICKEN RANCH BEA FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): WB02E1804501
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005002 RF1 Mile Point: 13.290 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18050005009200.00 RF3 Mile Point: 0.23 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: PORE0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	51.	51.667	53.	51.	1.333	1.155	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	5.	13.333	30.	5.	208.333	14.434	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	3	2080.	2236.	2740.	1888.	199728.	446.909	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	3	10.	10.067	10.3	9.9	0.043	0.208	**	**	**	**
00400	PH (STANDARD UNITS)	01/09/79-01/11/79	3	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/09/79-01/11/79	3	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/09/79-01/11/79	3	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.2	0.187	0.34	0.02	0.026	0.16	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	3	2400.	9600.	24000.	2400.	155520000.	12470.766	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/09/79-01/11/79	3	3.38	3.714	4.38	3.38	0.333	0.577	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5170.643								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	330.	953.333	2400.	130.	1579633.333	1256.835	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	2.519	2.671	3.38	2.114	0.418	0.647	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			468.694								

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

EPA Water Quality Criteria Analysis for Station: PORE0152

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 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	Fresh Chronic	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	3	1.00				3	3	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	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: PORE0153

NPS Station ID: PORE0153 LAT/LON: 38.112504/-122.951477 Agency: 11NPSWRD Date Created: 05/31/99
Location: ABBOTTS LAGOON-CENTER MAIN BODY OF LAGOON FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_ANIMA_AL5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 40 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE CENTER OF THE MAIN BODY OF ABBOTTS LAGOON; AND SAMPLES WERE TAKEN ON A TRANSECT OF ABBOTTS LAGOON. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	1	15.1	15.1	15.1	15.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	1	4440.	4440.	4440.	4440.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	1	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	1	0.165	0.165	0.165	0.165	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	1	0.164	0.164	0.164	0.164	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	1	0.136	0.136	0.136	0.136	0.	0.	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	1	0.028	0.028	0.028	0.028	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	1	0.941	0.941	0.941	0.941	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	1	0.029	0.029	0.029	0.029	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0153

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.

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

Station Inventory for Station: PORE0154

NPS Station ID: PORE0154 LAT/LON: 38.114642/-122.861087 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY; MID-BAY AT DOUBLE POINT CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_DOUBLE
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR THE MIDDLE OF DOUBLE POINT CHANNEL AND WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	2	12.95	12.95	13.	12.9	0.005	0.071	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	2	26.75	26.75	28.2	25.3	4.205	2.051	**	**	**	**

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

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

Station Inventory for Station: PORE0155

NPS Station ID: PORE0155 LAT/LON: 38.115281/-122.851670 Agency: 21CAL-1 Date Created: 12/22/79
Location: TOMALES BAY AT TOMALES BAY OYSTER CO FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): E1B80692511 /2011106
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005012 RF1 Mile Point: 3.570 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18010111008700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.08 On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 0 ;
STATION NAME: TOMALES BAY A TOMALES B OYSTER CO; DWR COUNTY CODE: 21; LATITUDE: 380655; LONGITUDE: 1225106;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03N, RANGE 09, SECTION 09QBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0155

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0156

NPS Station ID: PORE0156
LAT/LON: 38.115281/-122.851670
Agency: 21CAL-4
Date Created: 06/28/80
Location: TOMALES BAY A TOMALES B OYSTR CO
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1B80692511
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002002906.03
RF3 Mile Point: 6.12
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/23/77	1	13.9	13.9	13.9	13.9	0.	0.	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	53.	52.333	54.	50.	4.333	2.082	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	4	44650.	38125.	49000.	14200.	258622500.	16081.744	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	4	9.	9.175	10.1	8.6	0.422	0.65	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	4	8.25	8.125	8.3	7.7	0.083	0.287	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	4	8.247	8.042	8.3	7.7	0.092	0.303	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	4	0.006	0.009	0.02	0.005	0.	0.007	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.12	0.103	0.17	0.02	0.006	0.076	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	4	1470.	6737.	24000.	8.	133500996.	11554.263	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	4	3.056	2.849	4.38	0.903	2.142	1.464	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			706.279								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/23/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/23/77	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/23/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/23/77	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	4	159.5	1430.25	5400.	2.	7013794.917	2648.357	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	4	2.139	2.078	3.732	0.301	2.006	1.416	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			119.623								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/23/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/23/77-02/23/77	1	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			5.								
31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/23/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31678	LOG FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATI	02/23/77-02/23/77	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31678	GM FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATIO	GEOMETRIC MEAN =			2.								

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

EPA Water Quality Criteria Analysis for Station: PORE0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00				3	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	4	0	0.00				3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00				3	0	0.00	1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PORE0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	4	2	0.50				3	2	0.67	1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	4	2	0.50				3	2	0.67	1	0	0.00			

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

Station Inventory for Station: PORE0157

NPS Station ID: PORE0157 LAT/LON: 38.115726/-122.861837 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - NORTH DOUBLE POINT CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_12
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE INVERNESS CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR NORTH DOUBLE POINT CHANNEL AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0157

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0158

NPS Station ID: PORE0158 LAT/LON: 38.120392/-122.948503 Agency: 11NPSWRD Date Created: 05/31/99
Location: ABBOTTS LAGOON-OFFSHORE FROM CALL BUILDING FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_ANIMA_AL4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 40 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT ABBOTTS LAGOON OFFSHORE FROM THE CALL BUILDING AND SAMPLES WERE TAKEN ON A TRANSECT OF ABBOTTS LAGOON. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	1	16.1	16.1	16.1	16.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	1	707.	707.	707.	707.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	1	1.03	1.03	1.03	1.03	0.	0.	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	1	0.382	0.382	0.382	0.382	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	1	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/89-04/17/89	1	0.245	0.245	0.245	0.245	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	1	0.235	0.235	0.235	0.235	0.	0.	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	04/17/89-04/17/89	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	1	0.192	0.192	0.192	0.192	0.	0.	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	1	0.044	0.044	0.044	0.044	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	1	2.474	2.474	2.474	2.474	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	1	15.1	15.1	15.1	15.1	0.	0.	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0158

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.

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

Station Inventory for Station: PORE0159

NPS Station ID: PORE0159 LAT/LON: 38.121559/-122.944810 Agency: 11NPSWRD Date Created: 05/31/99
Location: ABBOTTS LAGOON-CENTER NORTHEAST ARM FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_ANIMA_AL3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 40 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE CENTER OF THE NORTHEAST ARM OF ABBOTTS LAGOON; AND SAMPLES WERE TAKEN ON A TRANSECT OF ABBOTTS LAGOON. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	2	16.05	16.05	16.2	15.9	0.045	0.212	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	2	716.5	716.5	725.	708.	144.5	12.021	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	2	14.	14.	16.	12.	8.	2.828	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	2	1.065	1.065	1.16	0.97	0.018	0.134	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	2	0.413	0.413	0.472	0.354	0.007	0.083	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	2	0.655	0.655	0.69	0.62	0.002	0.049	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	2	0.62	0.62	0.63	0.61	0.	0.014	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	2	0.007	0.007	0.01	0.003	0.	0.005	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/89-04/17/89	2	0.286	0.286	0.329	0.242	0.004	0.062	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	2	0.277	0.277	0.318	0.236	0.003	0.058	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	04/17/89-04/17/89	2	0.009	0.009	0.012	0.006	0.	0.004	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	2	0.221	0.221	0.25	0.191	0.002	0.042	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	2	0.057	0.057	0.068	0.045	0.	0.016	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	2	2.634	2.634	3.096	2.172	0.427	0.653	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	2	15.45	15.45	15.8	15.1	0.245	0.495	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	2	0.035	0.035	0.063	0.007	0.002	0.04	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	2	0.033	0.033	0.06	0.005	0.002	0.039	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	2	0.008	0.008	0.008	0.007	0.	0.001	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0159

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.

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

Station Inventory for Station: PORE0160

NPS Station ID: PORE0160 LAT/LON: 38.124781/-122.942281 Agency: 11NPSWRD Date Created: 05/31/99
Location: ABBOTTS LAGOON-UPPER NORTHEAST ARM FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_ANIMA_AL2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 40 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DRAKES BAY; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE UPPER NORTHEAST ARM OF ABBOTTS LAGOON; AND SAMPLES WERE TAKEN ON A TRANSECT OF ABBOTTS LAGOON. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	1	16.3	16.3	16.3	16.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	1	701.	701.	701.	701.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	1	0.99	0.99	0.99	0.99	0.	0.	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	1	0.426	0.426	0.426	0.426	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/89-04/17/89	1	0.254	0.254	0.254	0.254	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	1	0.235	0.235	0.235	0.235	0.	0.	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	04/17/89-04/17/89	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	1	0.191	0.191	0.191	0.191	0.	0.	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	1	0.044	0.044	0.044	0.044	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	1	2.623	2.623	2.623	2.623	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	1	15.1	15.1	15.1	15.1	0.	0.	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0160

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.

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

Station Inventory for Station: PORE0161

NPS Station ID: PORE0161
LAT/LON: 38.126477/-122.940227
Agency: 11NPSWRD
Date Created: 05/31/99
Location: ABBOTTS LAGOON-NORTHEAST CORNER
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_ANIMA_AL1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 40
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE NORTHEAST CORNER OF ABBOTTS LAGOON; AND SAMPLES WERE TAKEN ON A TRANSECT OF ABBOTTS LAGOON. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/89-04/17/89	1	15.9	15.9	15.9	15.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/89-04/17/89	1	292.	292.	292.	292.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/89-04/17/89	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/17/89-04/17/89	1	1.86	1.86	1.86	1.86	0.	0.	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	04/17/89-04/17/89	1	0.717	0.717	0.717	0.717	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	1	1.14	1.14	1.14	1.14	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	04/17/89-04/17/89	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/89-04/17/89	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/89-04/17/89	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/89-04/17/89	1	0.576	0.576	0.576	0.576	0.	0.	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	04/17/89-04/17/89	1	0.047	0.047	0.047	0.047	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/89-04/17/89	1	0.382	0.382	0.382	0.382	0.	0.	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	04/17/89-04/17/89	1	0.194	0.194	0.194	0.194	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	04/17/89-04/17/89	1	4.128	4.128	4.128	4.128	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/89-04/17/89	1	16.	16.	16.	16.	0.	0.	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	04/17/89-04/17/89	1	0.591	0.591	0.591	0.591	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	04/17/89-04/17/89	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	04/17/89-04/17/89	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0161

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.

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

Station Inventory for Station: PORE0162

NPS Station ID: PORE0162 LAT/LON: 38.126698/-122.917116 Agency: 11NPSWRD Date Created: 05/31/99
Location: HORSE BARN SPRING-NORTH RANGER STATION FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): PORE_ANIMA_HS
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 160 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS A DEVELOPED SPRING AND IS LOCATED AT THE HORSE BARN AT THE NORTH RANGER STATION. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/29/87	2	18.2	18.2	19.4	17.	2.88	1.697	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-12/08/87	9	132.	130.	140.	117.	66.5	8.155	117.	122.5	136.5	140.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-10/06/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-10/06/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-12/08/87	10	2.305	2.273	2.38	2.1	0.009	0.097	2.106	2.198	2.355	2.379
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-10/19/87	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-12/08/87	10	0.036	0.035	0.043	0.027	0.	0.006	0.027	0.03	0.041	0.043
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-10/06/87	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-12/08/87	9	16.6	17.433	27.7	10.	38.34	6.192	10.	11.45	23.05	27.7
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-12/08/87	10	0.004	0.004	0.009	0.002	0.	0.002	0.002	0.003	0.006	0.009
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-12/08/87	7	0.004	0.004	0.007	0.001	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 time series plot

EPA Water Quality Criteria Analysis for Station: PORE0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00	1	0	0.00	9	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	7	0	0.00	1	0	0.00	6	0	0.00						

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

Station Inventory for Station: PORE0163

NPS Station ID: PORE0163 | LAT/LON: 38.127115/-122.936337 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: ABBOTTS PERENNIAL | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_MMWD_ABB1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE ABBOTTS PERENNIAL SITE IS AT A STREAM NEAR ABBOTTS LAGOON AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	1	1353.	1353.	1353.	1353.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-04/16/97	1	3.131	3.131	3.131	3.131	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1353.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	1	10.	10.	10.	10.	0.	0.	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	201.	201.	201.	201.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	14.1	14.1	14.1	14.1	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	1	1.00												
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0164

NPS Station ID: PORE0164 | LAT/LON: 38.127253/-122.935143 | Agency: 11NPSWRD | Date Created: 05/31/99
Location: UNNAMED CREEK FLOWING INTO NE ABBOTTS LAGOON | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_ANIMA_M1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 80 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES; CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED CREEK WHICH FLOWS INTO THE NORTHEAST CORNER OF ABBOTTS LAGOON. THE SITE IS LOCATED AT THE DOWNSTREAM END OF THE CULVERT UNDER THE PIERCE POINT ROAD. THE SITE IS LOCATED INSIDE POINT REYES NATIONAL SEASHORE BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-09/29/88	19	13.3	13.342	15.2	11.9	1.017	1.008	12.	12.5	13.7	15.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-09/29/88	19	405.	393.947	537.	236.	10580.386	102.861	264.	305.	490.	530.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-09/29/88	20	50.5	116.9	675.	10.	34467.147	185.653	10.8	19.75	104.25	559.7
00600	NITROGEN, TOTAL (MG/L AS N)	10/06/87-06/09/88	17	3.67	3.565	6.71	1.69	1.829	1.352	1.746	2.41	4.58	5.286
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-06/09/88	18	0.361	0.801	4.186	0.069	1.311	1.145	0.082	0.179	0.69	3.329
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	18	2.345	2.679	4.44	1.55	1.066	1.032	1.658	1.788	3.58	4.314
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/06/87-06/09/88	18	0.815	0.748	1.2	0.17	0.105	0.324	0.305	0.408	1.028	1.155
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-09/29/88	20	1.34	1.549	3.96	0.4	0.864	0.929	0.455	0.702	2.183	2.615
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-06/09/88	16	0.186	0.232	0.496	0.084	0.017	0.128	0.097	0.151	0.302	0.464
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-06/09/88	16	0.078	0.082	0.123	0.032	0.001	0.027	0.039	0.07	0.108	0.119
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-06/09/88	15	0.109	0.157	0.409	0.05	0.014	0.118	0.054	0.074	0.195	0.383
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-09/29/88	20	0.024	0.023	0.05	0.005	0.	0.011	0.009	0.015	0.028	0.045
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-06/09/88	16	0.055	0.057	0.11	0.024	0.001	0.023	0.026	0.04	0.074	0.093
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-06/09/88	18	4.668	9.842	51.876	0.718	214.612	14.65	0.811	1.782	8.328	44.359
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-09/29/88	19	17.9	18.242	23.9	13.4	10.676	3.267	13.9	15.1	21.1	23.8
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-09/29/88	20	1.496	1.932	4.115	0.731	0.887	0.942	0.782	1.187	2.75	3.125
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-09/29/88	20	0.42	0.467	1.39	0.03	0.097	0.311	0.142	0.243	0.545	0.838
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-09/29/88	20	0.185	0.178	0.34	0.05	0.008	0.087	0.071	0.087	0.24	0.323

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

EPA Water Quality Criteria Analysis for Station: PORE0164

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	20	0	0.00	3	0	0.00	14	0	0.00	3	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	20	0	0.00	3	0	0.00	14	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: PORE0165

NPS Station ID: PORE0165
LAT/LON: 38.130837/-122.892226
Agency: 21CAL-4
Date Created: 06/28/80
Location: TOMALES BAY TRIB AT HEARTS DESIRE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1805801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005002
RF1 Mile Point: 10.840
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005000210.32
RF3 Mile Point: 14.15
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	50.	50.333	51.	50.	0.333	0.577	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	3	2700.	9970.	26000.	1210.	193275700.	13902.363	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	3	10.7	10.7	11.1	10.3	0.16	0.4	**	**	**	**
00400	PH (STANDARD UNITS)	01/09/79-01/11/79	3	6.7	7.1	7.9	6.7	0.48	0.693	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/09/79-01/11/79	3	6.7	6.863	7.9	6.7	0.565	0.751	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/09/79-01/11/79	3	0.2	0.137	0.2	0.013	0.012	0.108	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.13	0.107	0.17	0.02	0.006	0.078	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	3	2400.	9600.	24000.	2400.	155520000.	12470.766	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/09/79-01/11/79	3	3.38	3.714	4.38	3.38	0.333	0.577	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5170.643								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	79.	583.	1600.	70.	775737.	880.759	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	1.898	2.316	3.204	1.845	0.593	0.77	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			206.831								

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

EPA Water Quality Criteria Analysis for Station: PORE0165

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 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	Fresh Chronic	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	3	1.00				3	3	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	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: PORE0166

NPS Station ID: PORE0166
LAT/LON: 38.132781/-122.891393
Agency: 21CAL-1
Date Created: 10/13/79
Location: TOMALES BAY AT HEARTS DESIRE PUB B
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1B80802535 /2011001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005002
RF1 Mile Point: 10.730
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005000302.29
RF3 Mile Point: 2.40
Distance from RF3: 0.04
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 1 ;
STATION NAME: TOMALES BAY A HEARTS DESIRE PUB B; DWR COUNTY CODE: 21; LATITUDE: 380758; LONGITUDE: 1225329;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03N, RANGE 09, SECTION 06LBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0166

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: PORE0167

NPS Station ID: PORE0167 | LAT/LON: 38.140004/-122.872226 | Agency: 21CAL-4 | Date Created: 06/28/80
Location: TOMALES BAY AT MARCONI COVE MARINA | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): WB02E1B80842523
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.80 | On/Off RF1:
RF3 Index: 18050005001200.00 | RF3 Mile Point: 1.50 | Distance from RF3: 0.02 | On/Off RF3:
Description:

Parameter Inventory for Station: PORE0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	53.	51.667	53.	49.	5.333	2.309	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	3	40900.	38466.667	43900.	30600.	48663333.333	6975.911	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	3	9.1	8.933	9.1	8.6	0.083	0.289	**	**	**	**
00400	PH (STANDARD UNITS)	01/09/79-01/11/79	3	8.3	8.333	8.4	8.3	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/09/79-01/11/79	3	8.3	8.331	8.4	8.3	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/09/79-01/11/79	3	0.005	0.005	0.005	0.004	0.	0.001	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.17	0.123	0.18	0.02	0.008	0.09	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	3	2400.	9600.	24000.	2400.	155520000.	12470.766	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/09/79-01/11/79	3	3.38	3.714	4.38	3.38	0.333	0.577	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5170.643								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	130.	520.	1300.	130.	456300.	675.5	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	2.114	2.447	3.114	2.114	0.333	0.577	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			280.077								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: PORE0167

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 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	Fresh Chronic	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	3	1.00				3	3	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	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: PORE0168

NPS Station ID: PORE0168 LAT/LON: 38.145976/-122.891393 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - CABLE CROSSING CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_11
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR CABLE CROSSING CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0168

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0169

NPS Station ID: PORE0169 LAT/LON: 38.145976/-122.891504 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - CABLE CROSSING CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_23
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR CABLE CROSSING CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0169

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0170

NPS Station ID: PORE0170
LAT/LON: 38.151088/-122.780892
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-002 SOULAJULE LAKE DAM-AT 10FT DEPTH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D21/002-SOUL-LK
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 18.70
On/Off RF1:
RF3 Index: 18050005002202.75
RF3 Mile Point: 6.12
Distance from RF3: 0.05
On/Off RF3:
Description:
DIST 04 MMWD

Parameter Inventory for Station: PORE0170

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: PORE0171

NPS Station ID: PORE0171
LAT/LON: 38.151503/-122.938893
Agency: 11NPSWRD
Date Created: 08/14/99
Location: NORTH KEHOE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_MMWD_PAC2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE NORTH KEHOE SITE IS AT A STREAM NEAR KEHOE RANCH AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	1	1725.	1725.	1725.	1725.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-04/16/97	1	3.237	3.237	3.237	3.237	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1725.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	1	5.	5.	5.	5.	0.	0.	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	173.	173.	173.	173.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0171

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0172

NPS Station ID: PORE0172 LAT/LON: 38.152031/-122.938810 Agency: 11NPSWRD Date Created: 05/31/99
Location: UNNAMED CREEK FLOWING INTO KEHOE BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PORE_ANIMA_K2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 80 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED CREEK WHICH FLOWS INTO KEHOE BEACH. THE CREEK FLOWS FROM THE SOUTH- SOUTHEAST BEFORE REACHING THE OCEAN AT KEHOE BEACH. THE SITE IS APPROXIMATELY 1/2 MILE FROM THE OCEAN AT KEHOE BEACH. THE SITE IS INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/87-10/19/87	2	14.85	14.85	16.2	13.5	3.645	1.909	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/87-10/19/87	2	524.	524.	578.	470.	5832.	76.368	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/87-10/19/87	2	43.5	43.5	45.	42.	4.5	2.121	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/19/87-10/19/87	1	5.05	5.05	5.05	5.05	0.	0.	**	**	**	**
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/06/87-10/19/87	2	0.55	0.55	0.669	0.43	0.029	0.169	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	1	4.38	4.38	4.38	4.38	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/19/87-10/19/87	1	1.31	1.31	1.31	1.31	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/87-10/19/87	2	3.45	3.45	4.1	2.8	0.845	0.919	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/19/87-10/19/87	1	0.332	0.332	0.332	0.332	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-10/19/87	1	0.238	0.238	0.238	0.238	0.	0.	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/19/87-10/19/87	1	0.093	0.093	0.093	0.093	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/06/87-10/19/87	2	0.073	0.073	0.111	0.034	0.003	0.054	**	**	**	**
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-10/19/87	1	0.127	0.127	0.127	0.127	0.	0.	**	**	**	**
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/06/87-10/19/87	2	5.616	5.616	6.108	5.124	0.484	0.696	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/87-10/06/87	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/06/87-10/19/87	2	3.683	3.683	4.301	3.066	0.762	0.873	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/06/87-10/19/87	2	0.285	0.285	0.33	0.24	0.004	0.064	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/06/87-10/19/87	2	0.49	0.49	0.51	0.47	0.001	0.028	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0172

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: PORE0173

NPS Station ID: PORE0173
LAT/LON: 38.152142/-122.937781
Agency: 11NPSWRD
Date Created: 07/24/99
Location: UNNAMED CREEK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_NPS_UNNA
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT UNNAMED CREEK INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." SAMPLE FRACTIONS ANALYZED WERE NOT STATED BY THE REPORT; THEREFORE; THEY WERE ASSUMED. FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00440	BICARBONATE ION (MG/L AS HCO3)	02/17/54-02/17/54	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/17/54-02/17/54	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/17/54-02/17/54	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	02/17/54-02/17/54	1	53.	53.	53.	53.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/17/54-02/17/54	1	128.	128.	128.	128.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: PORE0174

NPS Station ID: PORE0174
LAT/LON: 38.152226/-122.937781
Agency: 21CAL-1
Date Created: 01/19/80
Location: PT REYES BE C BL KEYHOE PIERCE RD
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1818901 /2012003
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005019
RF1 Mile Point: 12.950
Distance from RF1: 6.80
On/Off RF1: OFF
RF3 Index: 18050005014700.00
RF3 Mile Point: 2.47
Distance from RF3: 0.04
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 35 ;
STATION NAME: PT REYES BE C BL KEYHOE PIERCE RD; DWR COUNTY CODE: 21; LATITUDE: 380908; LONGITUDE: 1225616;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04N, RANGE 10, SECTION 34ABASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/54-02/17/54	1	55.4	55.4	55.4	55.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/17/54-02/17/54	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	02/17/54-02/17/54	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/17/54-02/17/54	1	227.	227.	227.	227.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/17/54-02/17/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/17/54-02/17/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/17/54-02/17/54	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/17/54-02/17/54	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/17/54-02/17/54	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/17/54-02/17/54	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/17/54-02/17/54	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/17/54-02/17/54	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/17/54-02/17/54	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/17/54-02/17/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/17/54-02/17/54	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/17/54-02/17/54	1	240.	240.	240.	240.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	02/17/54-02/17/54	1	28.	28.	28.	28.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/17/54-02/17/54	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0174

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0175

NPS Station ID: PORE0175
LAT/LON: 38.152253/-122.938866
Agency: 11NPSWRD
Date Created: 08/14/99
Location: SOUTH KEHOE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PORE_MMWD_PAC1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SOUTH KEHOE SITE IS AT A STREAM NEAR KEHOE RANCH AND IS WITHIN POINT REYES NATIONAL SEASHORE (PORE). DATA ARE FROM THE MARIN MUNICIPAL WATER DISTRICT WATER QUALITY LABORATORY; ID # CA01057 CERTIFICATE # 1373 ANALYSIS REPORT; AND WERE FOUND IN PORE FILES. THE LOCATION NAME IS THE SITE DESCRIPTION GIVEN BY PORE. FOR MORE INFORMATION REGARDING MONITORING AT THIS SITE; CONTACT RESOURCE MANAGEMENT AT POINT REYES; POINT REYES CA 94956; TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: PORE0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/16/97-04/16/97	1	## 0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/97-04/16/97	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/16/97-04/16/97	1	24190.	24190.	24190.	24190.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/16/97-04/16/97	1	4.384	4.384	4.384	4.384	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			24190.								
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	04/16/97-04/16/97	1	21.	21.	21.	21.	0.	0.	**	**	**	**
50979	E.COLI,MPN,COLI-COMPLETE #/100ML	04/16/97-04/16/97	1	216.	216.	216.	216.	0.	0.	**	**	**	**
61028	TURBIDITY, WATER, UNFILTERED NTU	04/16/97-04/16/97	1	13.7	13.7	13.7	13.7	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/16/97-04/16/97	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/16/97-04/16/97	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0175

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0176

NPS Station ID: PORE0176 | LAT/LON: 38.154838/-122.904560 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: TOMALES BAY - WEST SIDE OF MARSHALL CHANNEL | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_UP_09
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR THE WEST SIDE OF MARSHALL CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0176

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0177

NPS Station ID: PORE0177 LAT/LON: 38.156503/-122.899393 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY; MID-BAY AT MARSHALL CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_MARSHAL
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR THE MIDDLE OF MARSHALL CHANNEL AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/61-02/05/61	16	9.1	10.369	13.7	7.9	4.576	2.139	8.18	8.8	12.8	13.21
00480	SALINITY - PARTS PER THOUSAND	01/21/61-02/05/61	16	32.5	30.931	33.1	26.3	6.338	2.518	26.44	28.95	32.7	32.96

** - 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

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

Station Inventory for Station: PORE0178

NPS Station ID: PORE0178 LAT/LON: 38.157642/-122.900282 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY; MID-BAY AT MARSHALL CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_08
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR THE MIDDLE OF MARSHALL CHANNEL AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0178

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0179

NPS Station ID: PORE0179 LAT/LON: 38.160476/-122.895976 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - EAST SIDE OF MARSHALL CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_07
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR THE EAST SIDE OF MARSHALL CHANNEL AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0179

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0180

NPS Station ID: PORE0180 LAT/LON: 38.162448/-122.900476 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - NORTH OF MARSHALL CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_NMARSH
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NORTH OF MARSHALL CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	2	13.2	13.2	13.4	13.	0.08	0.283	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	2	28.5	28.5	29.6	27.4	2.42	1.556	**	**	**	**

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

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

Station Inventory for Station: PORE0181

NPS Station ID: PORE0181
LAT/LON: 38.163337/-122.775005
Agency: 21CAL-1
Date Created: 12/22/79
Location: SALMON CREEK ABOVE ARROYO SAUSAL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1350501 /2011231
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005014
RF1 Mile Point: 7.090
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005001405.31
RF3 Mile Point: 5.44
Distance from RF3: 0.03
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 215 ;
STATION NAME: SALMON CREEK AB ARROYO SAUSAL ; DWR COUNTY CODE: 21; LATITUDE: 380948; LONGITUDE: 1224630;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04N, RANGE 08, SECTION 30HBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0181

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0182

NPS Station ID: PORE0182
LAT/LON: 38.163337/-122.775005
Agency: 21CAL-4
Date Created: 06/28/80
Location: SALMON CREEK AB ARROYO SAUSAL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1350501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005014
RF1 Mile Point: 7.090
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005001405.31
RF3 Mile Point: 5.44
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/23/77	1	13.9	13.9	13.9	13.9	0.	0.	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	50.	51.333	54.	50.	5.333	2.309	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	4.	29.	80.	3.	1951.	44.17	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	4	314.	285.25	398.	115.	14600.25	120.831	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	4	10.2	10.55	11.7	10.1	0.59	0.768	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	4	7.2	7.275	7.8	6.9	0.142	0.377	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	4	7.2	7.174	7.8	6.9	0.156	0.395	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	4	0.063	0.067	0.126	0.016	0.002	0.045	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3 ##	0.02	0.073	0.18	0.02	0.009	0.092	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	4	3900.	8550.	24000.	2400.	108090000.	10396.634	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	4	3.556	3.718	4.38	3.38	0.222	0.471	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5227.053								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/23/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/23/77	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/23/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/23/77	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	4	2950.	7705.	24000.	920.	119129433.333	10914.643	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	4	3.462	3.567	4.38	2.964	0.354	0.595	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3690.367								

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

EPA Water Quality Criteria Analysis for Station: PORE0182

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------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.	4	0	0.00				3	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	4	0	0.00				3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00				3	0	0.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	4	4	1.00				3	3	1.00	1	1	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	4	4	1.00				3	3	1.00	1	1	1.00			

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

Station Inventory for Station: PORE0183

NPS Station ID: PORE0183 LAT/LON: 38.163337/-122.810005 Agency: 21CAL-4 Date Created: 06/28/80
Location: VERDE CREEK AT MARSHALL PETALUMA ROAD FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): WB02E1344501
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005014 RF1 Mile Point: 5.150 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18050005001403.27 RF3 Mile Point: 8.00 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: PORE0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	51.	51.667	54.	50.	4.333	2.082	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	10.	31.333	80.	4.	1785.333	42.253	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	3	320.	277.667	357.	156.	11444.333	106.978	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	3	10.5	10.433	10.5	10.3	0.013	0.115	**	**	**	**
00400	PH (STANDARD UNITS)	01/09/79-01/11/79	3	7.2	7.133	7.2	7.	0.013	0.115	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/09/79-01/11/79	3	7.2	7.123	7.2	7.	0.014	0.116	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/09/79-01/11/79	3	0.063	0.075	0.1	0.063	0.	0.021	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3 ##	0.02	0.08	0.2	0.02	0.011	0.104	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	2	13200.	13200.	24000.	2400.	233280000.	15273.506	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/09/79-01/11/79	2	3.88	3.88	4.38	3.38	0.5	0.707	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7589.466								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	2	2950.	2950.	3500.	2400.	605000.	777.817	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	2	3.462	3.462	3.544	3.38	0.013	0.116	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2898.275								

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

EPA Water Quality Criteria Analysis for Station: PORE0183

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 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	Fresh Chronic	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	2	2	1.00				2	2	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	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: PORE0184

NPS Station ID: PORE0184
LAT/LON: 38.166392/-122.806948
Agency: 21CAL-1
Date Created: 12/22/79
Location: WALKER CREEK ABOVE VERDE CANYON
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1345001 /2011230
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005014
RF1 Mile Point: 5.250
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005008200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 170 ;
STATION NAME: WALKER CREEK AB VERDE CANYON ; DWR COUNTY CODE: 21; LATITUDE: 380959; LONGITUDE: 1224825;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04N, RANGE 09, SECTION 25DBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0184

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0185

NPS Station ID: PORE0185
LAT/LON: 38.166392/-122.806948
Agency: 21CAL-4
Date Created: 06/28/80
Location: WALKER CREEK AB VERDE CANYON
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1345001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005014
RF1 Mile Point: 5.250
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005006800.00
RF3 Mile Point: 0.20
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	13.9	13.9	13.9	13.9	0.	0.	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	51.	52.	54.	51.	3.	1.732	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	6.	69.667	200.	3.	12742.333	112.882	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	323.	299.2	398.	122.	12949.7	113.797	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	10.	10.66	12.	9.8	1.198	1.095	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.38	7.8	7.2	0.062	0.249	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.334	7.8	7.2	0.065	0.254	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.05	0.046	0.063	0.016	0.	0.02	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3 ##	0.02	0.09	0.23	0.02	0.015	0.121	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	2400.	2620.	5400.	1300.	2652000.	1628.496	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.38	3.362	3.732	3.114	0.056	0.237	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2302.374								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	2400.	2078.	3500.	490.	1244920.	1115.76	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	3.38	3.24	3.544	2.69	0.109	0.33	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1736.846								

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

EPA Water Quality Criteria Analysis for Station: PORE0185

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	5	1.00				3	3	1.00	2	2	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	5	1.00				3	3	1.00	2	2	1.00			

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

Station Inventory for Station: PORE0186

NPS Station ID: PORE0186
LAT/LON: 38.172226/-122.813893
Agency: 21CAL-4
Date Created: 06/28/80
Location: WALKER CREEK AT SYNANON RANCH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1339001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005014
RF1 Mile Point: 4.560
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005008200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0186

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: PORE0187

NPS Station ID: PORE0187
LAT/LON: 38.172226/-122.813893
Agency: 21CAL-1
Date Created: 04/26/86
Location: WALKER C A SYNANON RANCH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1339001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY BASIN
ECO Region:
RF1 Index: 18050005014
RF1 Mile Point: 4.560
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005000215.23
RF3 Mile Point: 15.47
Distance from RF3: 0.00
On/Off RF3:
Description:
WALKER C A SYNANON RANCH

Parameter Inventory for Station: PORE0187

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: PORE0188

NPS Station ID: PORE0188 LAT/LON: 38.173059/-122.897781 Agency: 21CAL-4 Date Created: 06/28/80
Location: TOMALES BAY TRIB 1 MILE NORTH OF MARSHALL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): WB02E1807201
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005012 RF1 Mile Point: 9.580 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18050005000210.32 RF3 Mile Point: 12.45 Distance from RF3: 0.13 On/Off RF3:
Description:

Parameter Inventory for Station: PORE0188

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/11/79-01/11/79	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/11/79-01/11/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/79-01/11/79	1	202.	202.	202.	202.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/11/79-01/11/79	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/11/79-01/11/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/11/79-01/11/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/11/79-01/11/79	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/11/79-01/11/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/11/79-01/11/79	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/11/79-01/11/79	1	4.204	4.204	4.204	4.204	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			16000.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/11/79-01/11/79	1	790.	790.	790.	790.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/11/79-01/11/79	1	2.898	2.898	2.898	2.898	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			790.								

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

EPA Water Quality Criteria Analysis for Station: PORE0188

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	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: PORE0189

NPS Station ID: PORE0189
LAT/LON: 38.176809/-122.914504
Agency: 11NPSWRD
Date Created: 08/07/99
Location: TOMALES BAY (MID-BAY)
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): GOGA_UP_06
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT MID-TOMALES BAY AND IS LOCATED WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONGTERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0189

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0190

NPS Station ID: PORE0190 | LAT/LON: 38.183753/-122.924588 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: TOMALES BAY SOUTH OF PELICAN POINT | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_UP_22
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY SOUTH OF PELICAN POINT AND IS LOCATED WITHIN GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0190

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0191

NPS Station ID: PORE0191 | LAT/LON: 38.187337/-122.961921 | Agency: 11NPSWRD | Date Created: 07/24/99
Location: MCCLURE BEACH | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PORE_NPS_MCLU
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM NEAR MCCLURE BEACH INSIDE THE POINT REYES NATIONAL SEASHORE. THE DATA ARE FROM THE USGS REPORT "HYDROLOGIC RECONNAISSANCE OF POINT REYES NATIONAL SEASHORE AREA; CALIFORNIA" BY R.H. DALE AND S.E. RANTZ (1966). THE OBJECTIVE OF THE REPORT IS "TO APPRAISE POTENTIAL SOURCES OF WATER SUPPLY AT PARK SITES WHERE VISITOR ACCOMMODATIONS ARE PROPOSED." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/64-07/31/64	3	60.	60.	62.	58.	4.	2.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/15/64-09/01/64	4	47.5	51.5	68.	43.	127.	11.269	**	**	**	**
00400	PH (STANDARD UNITS)	09/28/54-09/28/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/28/54-09/28/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/28/54-09/28/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/28/54-09/28/54	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/28/54-09/28/54	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/28/54-09/28/54	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/54-09/28/54	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0191

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: PORE0192

NPS Station ID: PORE0192 LAT/LON: 38.188281/-122.963504 Agency: 11NPSWRD Date Created: 05/31/99
Location: UNNAMED CREEK FLOWING INTO MCCLURES BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PORE_ANIMA_P1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 20 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED CREEK WHICH FLOWS INTO MCCLURES BEACH. THE CREEK FLOWS ALONGSIDE THE TRAIL TO MCCLURES BEACH. THE SAMPLING SITE IS LOCATED AT A ROCK DAM APPROXIMATELY 50 METERS UPSTREAM FROM MCCLURES BEACH. THE SITE IS INSIDE POINT REYES NATIONAL SEASHORE PARK BOUNDARIES. DATA ARE FROM THE 1990 NATIONAL PARK SERVICE REPORT TITLED "POLLUTION STUDIES OF DRAKES ESTERO; AND ABBOTTS LAGOON POINT REYES NATIONAL SEASHORE; CALIFORNIA; USA" BY ROBERTO J. ANIMA OF THE U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT RESOURCE MANAGEMENT AT POINT REYES NATIONAL SEASHORE; POINT REYES CA 94956-9799. TEL. 415-663-1092. DATA WERE PROCESSED AND UPLOADED BY ADAM HENSON; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525. TEL. 970-225-3516.

Parameter Inventory for Station: PORE0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/87-09/29/88	14	13.75	14.15	15.8	12.3	1.147	1.071	12.65	13.475	15.325	15.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/19/87-09/29/88	14	370.	411.214	605.	336.	7268.489	85.255	338.	343.75	475.	567.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/19/87-09/29/88	15	57.	74.333	184.	37.	1533.524	39.16	40.	44.	97.	141.4
00600	NITROGEN, TOTAL (MG/L AS N)	10/19/87-06/09/88	12	5.17	5.119	5.76	4.6	0.146	0.383	4.606	4.71	5.458	5.679
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	10/19/87-06/09/88	13	0.402	0.485	1.001	0.294	0.04	0.2	0.301	0.36	0.608	0.875
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/87-06/09/88	13	4.76	4.655	5.36	3.92	0.185	0.43	3.96	4.27	4.93	5.264
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/19/87-06/09/88	13	0.25	0.353	0.68	0.15	0.03	0.174	0.17	0.215	0.48	0.66
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/19/87-09/29/88	15	4.37	4.341	5.06	3.49	0.223	0.472	3.616	4.01	4.68	4.982
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/87-06/09/88	12	0.129	0.14	0.31	0.081	0.004	0.063	0.082	0.092	0.167	0.27
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/19/87-06/09/88	13	0.069	0.072	0.117	0.042	0.001	0.023	0.043	0.048	0.093	0.109
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	10/29/87-06/09/88	11	0.068	0.065	0.192	0.006	0.002	0.049	0.009	0.037	0.078	0.17
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/19/87-09/29/88	15	0.036	0.036	0.064	0.012	0.	0.013	0.017	0.026	0.045	0.055
00673	PHOSPHORUS, DISSOLVED ORGANIC (MG/L AS P)	10/19/87-06/09/88	13	0.03	0.034	0.053	0.012	0.	0.014	0.016	0.024	0.051	0.053
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	10/19/87-06/09/88	13	5.664	6.472	12.252	4.096	5.335	2.31	4.128	4.806	7.734	10.918
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/19/87-09/29/88	14	20.15	20.086	22.6	17.5	2.655	1.629	17.55	18.85	21.275	22.6
61781	NITROGEN,INORGANIC DISOLVED (AS N) MG/L	10/19/87-09/29/88	15	4.41	4.373	5.089	3.522	0.223	0.472	3.637	4.022	4.721	5.009
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/19/87-09/29/88	15	0.04	0.041	0.1	0.01	0.001	0.024	0.01	0.02	0.05	0.082
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/19/87-09/29/88	15	0.02	0.022	0.05	0.007	0.	0.013	0.008	0.01	0.03	0.044

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

EPA Water Quality Criteria Analysis for Station: PORE0192

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	2	0	0.00	10	0	0.00	3	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	15	0	0.00	2	0	0.00	10	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: PORE0193

NPS Station ID: PORE0193
LAT/LON: 38.188310/-122.927921
Agency: 11NPSWRD
Date Created: 08/07/99
Location: TOMALES BAY NEAR PELICAN POINT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_UP_PELICAN
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR PELICAN POINT AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	2	12.85	12.85	12.9	12.8	0.005	0.071	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	2	30.35	30.35	30.8	29.9	0.405	0.636	**	**	**	**

** - Less than 9 observations ## - 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: PORE0194

NPS Station ID: PORE0194
LAT/LON: 38.189143/-122.929310
Agency: 11NPSWRD
Date Created: 08/07/99
Location: TOMALES BAY - PELICAN POINT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_UP_05
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR PELICAN POINT AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0194

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0195

NPS Station ID: PORE0195 LAT/LON: 38.195559/-122.925226 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY; MID-CHANNEL AT PELICAN POINT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_10
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY; MID-CHANNEL AT PELICAN POINT AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0195

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0196

NPS Station ID: PORE0196 | LAT/LON: 38.195699/-122.943754 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: TOMALES BAY - WHITE GULCH CHANNEL | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_UP_15
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR WHITE GULCH CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0196

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0197

NPS Station ID: PORE0197
LAT/LON: 38.198837/-122.933976
Agency: 11NPSWRD
Date Created: 08/07/99
Location: TOMALES BAY - HOG ISLAND CHANNEL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): GOGA_UP_17
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR HOG ISLAND CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0197

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0198

NPS Station ID: PORE0198
LAT/LON: 38.200004/-122.920838
Agency: 21CAL-4
Date Created: 06/28/80
Location: TOMALES BAY A NICKS GOUE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1B81202552
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.30
On/Off RF1:
RF3 Index: 18050005001203.58
RF3 Mile Point: 7.91
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	12.8	12.8	12.8	12.8	0.	0.	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	53.	52.	53.	50.	3.	1.732	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	44300.	43100.	45700.	37600.	10335000.	3214.809	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	7.9	8.08	8.8	7.6	0.227	0.476	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	8.	8.04	8.3	7.9	0.028	0.167	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	8.	8.017	8.3	7.9	0.029	0.169	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.01	0.01	0.013	0.005	0.	0.003	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.14	0.157	0.31	0.02	0.021	0.146	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	920.	5374.	24000.	20.	108779080.	10429.721	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	2.964	2.874	4.38	1.301	1.247	1.117	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			747.365								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	79.	1151.2	5400.	10.	5649590.7	2376.887	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	1.898	2.088	3.732	1.	1.11	1.054	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			122.552								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	2	272.	272.	540.	4.	143648.	379.009	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/23/77-02/24/77	2	1.667	1.667	2.732	0.602	2.269	1.506	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			46.476								
31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31678	LOG FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATI	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31678	GM FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATIO	GEOMETRIC MEAN =			2.								

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

EPA Water Quality Criteria Analysis for Station: PORE0198

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PORE0198

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	2	0.40				3	2	0.67	2	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	2	0.40				3	2	0.67	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: PORE0199

NPS Station ID: PORE0199 LAT/LON: 38.203921/-122.944420 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - CHANNEL NORTH OF WHITE GULCH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_UP_04
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY AT THE CHANNEL NORTH OF WHITE GULCH AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0199

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0200

NPS Station ID: PORE0200 | LAT/LON: 38.205421/-122.929310 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: TOMALES BAY SOUTH OF WALKER CREEK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_UP_SWALKER
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY SOUTH OF WALKER CREEK AND IS LOCATED OUTSIDE THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	2	13.5	13.5	13.5	13.5	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	2	27.9	27.9	28.	27.8	0.02	0.141	**	**	**	**

** - 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 time series plot

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

Station Inventory for Station: PORE0201

NPS Station ID: PORE0201
LAT/LON: 38.206948/-122.926393
Agency: 21CAL-4
Date Created: 06/28/80
Location: TOMALES BAY A HAMLET
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1B81242556
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.20
On/Off RF1:
RF3 Index: 18010111008700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0201

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	16.95	16.95	18.9	15.	7.605	2.758	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	54.	54.333	57.	52.	6.333	2.517	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	41100.	36280.	44100.	12300.	182832000.	13521.538	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	9.8	10.	12.	7.8	3.52	1.876	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	8.	7.98	8.3	7.4	0.122	0.349	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	8.	7.847	8.3	7.4	0.144	0.38	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.01	0.014	0.04	0.005	0.	0.014	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.13	0.21	0.48	0.02	0.058	0.24	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	2400.	5770.4	24000.	2.	105258730.8	10259.568	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.38	2.628	4.38	0.301	2.62	1.619	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			424.744								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	240.	3570.4	16000.	2.	48719730.8	6979.952	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	2.38	2.218	4.204	0.301	2.525	1.589	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			165.157								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	2 ##	17.	17.	33.	1.	512.	22.627	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/23/77-02/24/77	2 ##	0.759	0.759	1.519	0.	1.153	1.074	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			5.745								
31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31678	LOG FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATI	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31678	GM FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATIO	GEOMETRIC MEAN =			2.								

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

EPA Water Quality Criteria Analysis for Station: PORE0201

Parameter				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PORE0201

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	3	0.60				3	3	1.00	2	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	3	0.60				3	3	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: PORE0202

NPS Station ID: PORE0202 | LAT/LON: 38.209392/-122.936143 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: TOMALES BAY - WALKER CREEK CHANNEL | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_UP_18
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR WALKER CREEK CHANNEL AND IS LOCATED OUTSIDE THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0202

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0203

NPS Station ID: PORE0203 LAT/LON: 38.209726/-122.859726 Agency: 112WRD Date Created: / /
Location: WALKER CREEK NEAR TOMALES, CALIFORNIA FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 11460800
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 8.30 On/Off RF1:
RF3 Index: 18050002046000.00 RF3 Mile Point: 0.25 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: PORE0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/70-05/02/72	29	12.	11.19	15.5	5.5	8.775	2.962	7.	8.75	13.5	15.5
00060	FLOW, STREAM, MEAN DAILY CFS	11/12/70-06/03/71	16	159.5	346.638	1340.	0.1	189712.075	435.559	0.1	4.75	621.25	1207.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/12/71-05/02/72	19	5.	38.053	147.	0.	2875.053	53.62	0.	1.	96.	139.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/13/71-01/25/72	2	74.	74.	95.	53.	882.	29.698	**	**	**	**
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/13/71-01/25/72	2	76.	76.	96.	56.	800.	28.284	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/13/71-01/25/72	2	83.	83.	99.	67.	512.	22.627	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/13/71-01/25/72	2	93.	93.	100.	86.	98.	9.899	**	**	**	**
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/13/71-01/13/71	1	90.	90.	90.	90.	0.	0.	**	**	**	**
70336	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 2.00MM	01/13/71-01/13/71	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/29/70-01/25/72	9	29.	28.667	48.	16.	87.75	9.367	16.	21.	32.5	48.
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/29/70-01/25/72	9	36.	38.333	65.	22.	155.75	12.48	22.	29.	44.	65.
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/29/70-01/25/72	9	41.	46.	76.	27.	211.5	14.543	27.	36.	54.5	76.
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/29/70-01/25/72	9	53.	55.556	83.	34.	248.778	15.773	34.	43.	69.	83.
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/29/70-01/25/72	9	61.	63.	86.	41.	239.25	15.468	41.	50.	78.	86.
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/29/70-01/25/72	9	65.	65.778	91.	46.	201.194	14.184	46.	54.5	76.5	91.
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/29/70-01/25/72	9	74.	72.556	92.	59.	128.528	11.337	59.	62.	81.5	92.
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/29/70-01/25/72	9	89.	88.778	96.	79.	32.944	5.74	79.	84.	94.	96.
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/29/70-01/25/72	9	99.	98.778	100.	98.	0.694	0.833	98.	98.	99.5	100.
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	11/29/70-12/08/70	7	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/12/70-05/02/72	26	184.	463.808	2170.	1.	355165.602	595.958	3.	7.25	958.25	1420.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/12/70-05/02/72	26	67.	833.345	7850.	0.	3321256.886	1822.432	0.007	0.173	854.	3538.
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11/12/70-05/02/72	5	2.	5.6	16.	1.	39.3	6.269	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11/12/70-05/02/72	7	8.	14.857	48.	1.	310.143	17.611	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11/12/70-05/02/72	9	24.	31.444	91.	1.	1319.778	36.329	1.	1.5	65.5	91.
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11/12/70-05/02/72	9	34.	41.	100.	5.	1484.75	38.532	5.	6.5	77.	100.
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	11/12/70-05/02/72	8	27.5	38.25	100.	9.	1055.929	32.495	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	11/12/70-05/02/72	7	27.	34.714	67.	13.	455.905	21.352	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	11/12/70-05/02/72	7	41.	40.571	71.	16.	432.286	20.791	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	11/12/70-05/02/72	7	47.	49.571	76.	24.	385.619	19.637	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	11/12/70-05/02/72	7	60.	64.286	84.	40.	304.905	17.462	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	11/12/70-05/02/72	7	83.	82.	100.	55.	287.333	16.951	**	**	**	**
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	11/12/70-05/02/72	5	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: PORE0204

NPS Station ID: PORE0204 LAT/LON: 38.209948/-122.941753 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY NEAR WHITE GULCH CHANNEL FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_UP_WGULCH
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR WHITE GULCH CHANNEL AND IS LOCATED OUTSIDE THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/03/60-02/04/61	13	12.2	12.054	13.7	10.6	0.984	0.992	10.76	11.1	12.85	13.62
00295	OXYGEN, DISSOLVED ML/L	12/03/60-02/04/61	9	6.05	6.024	6.72	5.43	0.2	0.447	5.43	5.655	6.42	6.72
00480	SALINITY - PARTS PER THOUSAND	12/03/60-02/04/61	13	32.5	32.962	34.6	31.4	1.109	1.053	31.48	32.2	33.95	34.48

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

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

Station Inventory for Station: PORE0205

NPS Station ID: PORE0205 | LAT/LON: 38.210004/-122.860004 | Agency: 21CAL-1 | Date Created: 07/28/79
Location: WALKER CREEK NEAR TOMALES | | FIPS State/County: 06041 CALIFORNIA/MARIN |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E1331000 /2011215 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050005 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: |
RF1 Index: 18050005013 | RF1 Mile Point: 6.980 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050005008200.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 70 ;
STATION NAME: WALKER CREEK NEAR TOMALES ; DWR COUNTY CODE: 21; LATITUDE: 381236; LONGITUDE: 1225136;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04N, RANGE 09, SECTION 09DBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 11-4608.00 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0205

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0206

NPS Station ID: PORE0206
LAT/LON: 38.212115/-122.957560
Agency: 11NPSWRD
Date Created: 08/07/99
Location: TOMALES BAY - TOM'S POINT CHANNEL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_UP_03
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR TOM'S POINT CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0206

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0207

NPS Station ID: PORE0207 LAT/LON: 38.218448/-122.923838 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY IN VICINITY OF WALKER CREEK FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UP_WALKER
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR WALKER CREEK AND IS LOCATED WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/61-02/05/61	2	12.9	12.9	13.	12.8	0.02	0.141	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	02/05/61-02/05/61	2	26.4	26.4	31.	21.8	42.32	6.505	**	**	**	**

** - 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

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

Station Inventory for Station: PORE0208

NPS Station ID: PORE0208 LAT/LON: 38.219281/-122.955615 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY - TOM'S PT. CHANNEL (MUD FLAT) FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_UP_21
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY AT THE TOM'S POINT CHANNEL MUD FLAT AND IS LOCATED OUTSIDE THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0208

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0209

NPS Station ID: PORE0209
LAT/LON: 38.221531/-122.966366
Agency: 11NPSWRD
Date Created: 08/07/99
Location: TOMALES BAY - SOUTH AVALIS CHANNEL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_UP_16
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR SOUTH AVALIS CHANNEL AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0209

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0210

NPS Station ID: PORE0210 LAT/LON: 38.223698/-122.952892 Agency: 11NPSWRD Date Created: 08/07/99
Location: TOMALES BAY NEAR TOM'S PT. CHANNEL MUD FLAT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): PORE_UP_20
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR TOM'S POINT CHANNEL MUD FLAT AND IS LOCATED OUTSIDE THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0210

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0211

NPS Station ID: PORE0211
LAT/LON: 38.229392/-122.974032
Agency: 11NPSWRD
Date Created: 08/07/99
Location: ENTRANCE OF TOMALES BAY
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): PORE_UP_02
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT THE ENTRANCE OF TOMALES BAY AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0211

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0212

NPS Station ID: PORE0212 | LAT/LON: 38.229949/-122.975781 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: ENTRANCE OF TOMALES BAY | | FIPS State/County: 06041 CALIFORNIA/MARIN |
Station Type: /TYPA/AMBNT/ESTURY | | STORET Station ID(s): PORE_UP_24 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18050005 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: |
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:

Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT THE ENTRANCE OF TOMALES BAY AND IS LOCATED WITHIN THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0212

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0213

NPS Station ID: PORE0213 | LAT/LON: 38.230281/-122.914170 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: WALKER CREEK AT CAMP TOMALES | | FIPS State/County: 06041 CALIFORNIA/MARIN |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E1320101 /2011201 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | | |
HUC: 18010109 | Depth of Water: 0 | Aquifer: |
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id: |
Minor Basin: COAST-MARIN | | ECO Region: |
RF1 Index: 18010109 | RF1 Mile Point: 0.000 | Distance from RF1: 9.60 | On/Off RF1:
RF3 Index: 18050005000100.00 | RF3 Mile Point: 2.33 | Distance from RF3: 0.82 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 8 ;
STATION NAME: WALKER CREEK AT CAMP TOMALES ; DWR COUNTY CODE: 21; LATITUDE: 381349; LONGITUDE: 1225451;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05N, RANGE 10, SECTION 36NBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/59-04/06/62	5	64.	63.8	69.	56.	24.7	4.97	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/58-04/06/62	2	140.	140.	200.	80.	7200.	84.853	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/06/62-04/06/62	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/58-04/06/62	6	6105.	17719.667	48300.	338.	498386744.667	22324.577	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/59-04/06/62	4	8.65	8.425	10.	6.4	2.309	1.52	**	**	**	**
00400	PH (STANDARD UNITS)	09/16/59-04/06/62	3	7.4	7.733	8.4	7.4	0.333	0.577	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/16/59-04/06/62	3	7.4	7.555	8.4	7.4	0.381	0.617	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/59-04/06/62	3	0.04	0.028	0.04	0.004	0.	0.021	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/58-04/06/62	6	7.75	7.717	8.2	7.1	0.134	0.366	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/58-04/06/62	6	7.747	7.576	8.2	7.1	0.157	0.397	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/58-04/06/62	6	0.018	0.027	0.079	0.006	0.001	0.027	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/07/62-04/06/62	2	80.	80.	86.	74.	72.	8.485	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/15/59-04/06/62	4	219.5	440.5	1230.	93.	280687.	529.799	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/58-04/06/62	6	55.5	158.	401.	16.	35290.	187.856	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/15/59-04/06/62	4	38.	84.25	248.	13.	12058.917	109.813	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/15/59-04/06/62	4	236.5	600.125	1910.	17.5	773311.729	879.381	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/15/59-02/07/62	3	14.	36.	80.	14.	1452.	38.105	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/58-04/06/62	6	1955.	6709.667	19000.	52.	77789411.867	8819.831	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/58-02/07/62	4	280.	690.	2140.	60.	972402.667	986.105	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/58-02/07/62	4	0.4	0.475	1.	0.1	0.169	0.411	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/58-02/07/62	5	4.4	5.56	10.	3.8	6.453	2.54	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/58-04/06/62	6	900.	1800.	4800.	0.	4253440.	2062.387	**	**	**	**

** - Less than 9 observations ## - 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: PORE0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	09/02/58-02/07/62	5	105.	104.4	123.	86.	269.3	16.41	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/02/58-02/07/62	5	1.4	3.32	10.	0.	16.217	4.027	**	**	**	**

** - 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: PORE0213

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------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.	4	0	0.00	2	0	0.00				2	0	0.00			
00400	PH	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	3	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00				3	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	6	3	0.50	3	2	0.67				3	1	0.33			
		Drinking Water	250.	6	5	0.83	3	3	1.00				3	2	0.67			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	2	0.50	2	1	0.50				2	1	0.50			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	2	0	0.00				2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	0	0.00	3	0	0.00				2	0	0.00			

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

Station Inventory for Station: PORE0214

NPS Station ID: PORE0214 | LAT/LON: 38.230476/-122.968893 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: TOMALES BAY - SAND POINT CHANNEL | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_UP_19
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED AT TOMALES BAY NEAR SAND POINT CHANNEL AND IS LOCATED OUTSIDE THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0214

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0215

NPS Station ID: PORE0215 | LAT/LON: 38.232781/-122.911670 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: WALKER CREEK AT HWY 1 | | FIPS State/County: 06041 CALIFORNIA/MARIN |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E1322501 /2011227 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | | |
HUC: 18050005 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: |
RF1 Index: 18050005013 | RF1 Mile Point: 1.100 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050005002000.00 | RF3 Mile Point: 0.65 | Distance from RF3: 0.02 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 20 ;
STATION NAME: WALKER CREEK AT HWY 1 ; DWR COUNTY CODE: 21; LATITUDE: 381358; LONGITUDE: 1225442;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05N, RANGE 10, SECTION 36LBASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/18/54-02/18/54	1	48.2	48.2	48.2	48.2	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/18/54-02/18/54	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	02/18/54-02/18/54	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/18/54-02/18/54	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/18/54-02/18/54	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/18/54-02/18/54	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/18/54-02/18/54	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/18/54-02/18/54	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/18/54-02/18/54	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/18/54-02/18/54	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/18/54-02/18/54	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/18/54-02/18/54	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/18/54-02/18/54	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/18/54-02/18/54	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/18/54-02/18/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/18/54-02/18/54	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/18/54-02/18/54	1	150.	150.	150.	150.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	02/18/54-02/18/54	1	40.	40.	40.	40.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/18/54-02/18/54	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: PORE0215

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: PORE0216

NPS Station ID: PORE0216
Location: WALKER CREEK AT HWY 1
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 18050005
Major Basin: CALIFORNIA
Minor Basin: SAN FRANCISCO BAY REGION
RF1 Index: 18050005013
RF3 Index: 18050005002000.00
Description:

LAT/LON: 38.232781/-122.911670
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 1.100
RF3 Mile Point: 0.77

Agency: 21CAL-4
FIPS State/County: 06041 CALIFORNIA/MARIN
STORET Station ID(s): WB02E1322501
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 9.10
Distance from RF3: 0.02

Date Created: 06/28/80
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: PORE0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	13.3	13.3	14.4	12.2	2.42	1.556	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	54.	53.	54.	51.	3.	1.732	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	15.	76.667	200.	15.	11408.333	106.81	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	838.	1644.6	3280.	183.	2075507.8	1440.662	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	9.6	7.6	10.	0.4	16.7	4.087	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.34	7.6	7.	0.068	0.261	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.3	7.278	7.6	7.	0.073	0.27	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.05	0.053	0.1	0.025	0.001	0.031	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.14	0.537	1.4	0.07	0.56	0.748	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	2400.	5820.	24000.	130.	104550950.	10225.016	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.38	3.097	4.38	2.114	0.881	0.939	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1250.274								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	2400.	2831.8	9200.	79.	14019296.2	3744.235	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	3.38	2.905	3.964	1.898	0.898	0.948	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			803.499								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	2	22.	22.	27.	17.	50.	7.071	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/23/77-02/24/77	2	1.331	1.331	1.431	1.23	0.02	0.142	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			21.424								
31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31678	LOG FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATI	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31678	GM FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATIO	GEOMETRIC MEAN =			2.								

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

EPA Water Quality Criteria Analysis for Station: PORE0216

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 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			

& - 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: PORE0216

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	3	0.60				3	3	1.00	2	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	3	0.60				3	3	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: PORE0217

NPS Station ID: PORE0217 | LAT/LON: 38.235031/-122.975892 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: NORTH OF ENTRANCE TO TOMALES BAY | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): PORE_UP_01
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002104500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.11 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE STATION IS LOCATED NORTH OF THE ENTRANCE TO TOMALES BAY AND IS LOCATED OUTSIDE THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFORMATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0217

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0218

NPS Station ID: PORE0218
LAT/LON: 38.241115/-122.904170
Agency: 21CAL-1
Date Created: 12/22/79
Location: KEYS CREEK AT HWY 1
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1320501 /2011226
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005013
RF1 Mile Point: 1.250
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050005000500.00
RF3 Mile Point: 0.15
Distance from RF3: 0.02
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 35 ;
STATION NAME: KEYS CREEK AT HWY 1 ; DWR COUNTY CODE: 21; LATITUDE: 381428; LONGITUDE: 1225415;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05N, RANGE 10, SECTION 36ABASE M;
USGS QUADRANGLE NUMBER: . 485; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: PORE0218

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

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: PORE0219

NPS Station ID: PORE0219
Location: KEYS CREEK AT HWY 1
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 18050005
Major Basin: CALIFORNIA
Minor Basin: SAN FRANCISCO BAY REGION
RF1 Index: 18050005013
RF3 Index: 18050005000500.00
Description:

LAT/LON: 38.241115/-122.904170
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 1.250
RF3 Mile Point: 0.15

Agency: 21CAL-4
FIPS State/County: 06041 CALIFORNIA/MARIN
STORET Station ID(s): WB02E1320501
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.02

Date Created: 06/28/80
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: PORE0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/77-02/24/77	2	11.15	11.15	11.7	10.6	0.605	0.778	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	53.	53.667	55.	53.	1.333	1.155	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	1.	1.533	3.	0.6	1.653	1.286	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/23/77-01/11/79	5	506.	510.6	620.	409.	8099.8	89.999	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/77-01/11/79	5	8.4	7.88	9.1	5.8	1.987	1.41	**	**	**	**
00400	PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.	7.08	7.2	7.	0.012	0.11	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/77-01/11/79	5	7.	7.069	7.2	7.	0.012	0.11	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/77-01/11/79	5	0.1	0.085	0.1	0.063	0.	0.02	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.77	1.167	2.17	0.56	0.766	0.875	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/77-01/11/79	5	7900.	9264.6	24000.	23.	89751615.8	9473.733	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/77-01/11/79	5	3.898	3.42	4.38	1.362	1.456	1.207	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2629.007								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/23/77-02/24/77	2	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	4900.	8664.6	24000.	23.	93598515.8	9674.633	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/23/77-01/11/79	5	3.69	3.378	4.38	1.362	1.415	1.189	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2389.492								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/23/77-02/24/77	2	## 1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/23/77-02/24/77	2	## 3.079	3.079	3.079	3.079	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			1200.								
31678	FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATION	02/23/77-02/23/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31678	LOG FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATI	02/23/77-02/23/77	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31678	GM FECAL STREPTOCOCCI,MPN,AD-EVA,TUBE CONFIGURATIO	GEOMETRIC MEAN =			2.								

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

EPA Water Quality Criteria Analysis for Station: PORE0219

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				3	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: PORE0219

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	5	0	0.00				3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				3	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	4 &	3	0.75				3	2	0.67	1	1	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	4 &	3	0.75				3	2	0.67	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: PORE0220

NPS Station ID: PORE0220
LAT/LON: 38.242781/-122.901671
Agency: 21CAL-4
Date Created: 06/28/80
Location: KEYS CREEK TRIB AT MOUTH AT TOMALES
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WB02E1320601
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050005002000.00
RF3 Mile Point: 0.65
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PORE0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/09/79-01/11/79	3	54.	54.	54.	54.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/09/79-01/11/79	3	0.3	0.5	1.	0.2	0.19	0.436	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/09/79-01/11/79	3	563.	508.	570.	391.	10279.	101.385	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/09/79-01/11/79	3	10.	10.033	10.2	9.9	0.023	0.153	**	**	**	**
00400	PH (STANDARD UNITS)	01/09/79-01/11/79	3	7.6	7.4	7.6	7.	0.12	0.346	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/09/79-01/11/79	3	7.6	7.3	7.6	7.	0.135	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/09/79-01/11/79	3	0.025	0.05	0.1	0.025	0.002	0.043	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/79-01/11/79	3	0.14	0.133	0.24	0.02	0.012	0.11	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/09/79-01/11/79	3	2400.	2766.667	3500.	2400.	403333.333	635.085	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/09/79-01/11/79	3	3.38	3.435	3.544	3.38	0.009	0.095	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2721.637								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	1600.	1413.333	2400.	240.	1192533.333	1092.032	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/09/79-01/11/79	3	3.204	2.988	3.38	2.38	0.285	0.534	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			973.152								

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

EPA Water Quality Criteria Analysis for Station: PORE0220

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 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	Fresh Chronic	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	3	1.00				3	3	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	3	1.00				3	3	1.00						

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

Station Inventory for Station: PORE0221

NPS Station ID: PORE0221
LAT/LON: 38.247698/-122.966115
Agency: 11NPSWRD
Date Created: 08/07/99
Location: BODEGA BAY - DILLON BEACH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY/BEACH
STORET Station ID(s): PORE_UP_BODEGA
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002104500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TOMALES CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT BODEGA BAY AT DILLON BEACH AND IS LOCATED OUTSIDE THE BOUNDARIES OF POINT REYES NATIONAL SEASHORE. DATA ARE FROM "ECOLOGICAL SURVEY OF TOMALES BAY" (MARCH 1961) BY R.G. JOHNSON; W.R. BRYANT; AND J.W. HEDGPETH FROM THE UNIVERSITY OF THE PACIFIC; PACIFIC MARINE STATION. THE STUDY WAS SUPPORTED BY A NATIONAL SCIENCE FOUNDATION GRANT AND WAS CONDUCTED TO "INVESTIGATE BASIC PROBLEMS IN MARINE ECOLOGY AND GEOLOGY" AND TO DEVELOP A LONG-TERM MONITORING PROGRAM FOR THE AREA. FOR MORE INFOR- MATION ON POINT REYES NATIONAL SEASHORE CONTACT THE CHIEF OF RESOURCES AT POINT REYES CA 94956-9799 (TEL. 415-663-1092). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: PORE0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/61-02/04/61	2	11.5	11.5	12.8	10.2	3.38	1.838	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/21/61-02/04/61	2	33.15	33.15	33.4	32.9	0.125	0.354	**	**	**	**

** - Less than 9 observations ## - 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. **********

EPA Water Quality Criteria Analysis for Entire PORE Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	1	1.00							1	1	1.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	259	1	0.00	162	0	0.00	19	0	0.00	78	1	0.01			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	138	1	0.01	24	0	0.00	69	1	0.01	45	0	0.00			
00400	PH	Fresh Chronic	9.	143	0	0.00	26	0	0.00	69	0	0.00	48	0	0.00			
		Other-Lo Lim.	6.5	143	0	0.00	26	0	0.00	69	0	0.00	48	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	63	13	0.21	7	0	0.00	35	12	0.34	21	1	0.05			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	24	0	0.00	12	0	0.00	5	0	0.00	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1000	8	0.01	359	1	0.00	255	3	0.01	386	4	0.01			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	14	0	0.00	8	0	0.00				6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00	8	0	0.00				6	0	0.00			
		Drinking Water	250.	14	0	0.00	8	0	0.00				6	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	21	3	0.14	9	2	0.22	3	0	0.00	9	1	0.11			
		Drinking Water	250.	21	6	0.29	9	4	0.44	3	0	0.00	9	2	0.22			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	8	0	0.00				6	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	19	2	0.11	8	1	0.13	3	0	0.00	8	1	0.13			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	29	0	0.00	12	0	0.00	3	0	0.00	14	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	6	0	0.00				6	0	0.00			
		Drinking Water	50.	12	0	0.00	6	0	0.00				6	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	2	1.00							2	2	1.00			
		Drinking Water	5.	2 &	2	1.00							2	2	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	6	0	0.00				6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	12	5	0.42	6	0	0.00				6	5	0.83			
		Drinking Water	1300.	12	0	0.00	6	0	0.00				6	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	12	2	0.17	6	0	0.00				6	2	0.33			
		Drinking Water	15.	2 &	2	1.00							2	2	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	6	0	0.00				6	0	0.00			
		Drinking Water	5000.	12	0	0.00	6	0	0.00				6	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	2502 &	712	0.28	891	221	0.25	669	208	0.31	942	283	0.30			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	22	0	0.00							22	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1022	433	0.42	419	177	0.42	183	94	0.51	420	162	0.39			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1513 &	165	0.11	470	10	0.02	508	93	0.18	535	62	0.12			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	4	3	0.75	3	3	1.00				1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	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			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	2	0	0.00							2	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	2	0	0.00							2	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00							2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	9	0	0.00							9	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	14	0	0.00	3	0	0.00	3	0	0.00	8	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	9	0	0.00							9	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	97	0	0.00	18	0	0.00	64	0	0.00	15	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	12	0	0.00	6	0	0.00				6	0	0.00			
		Drinking Water	2.	12	0	0.00	6	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

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 PORE 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 PORE Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	63	12	47	4	17
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	5	0	5	0	5
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	8	8	0	0	2
00440	BICARBONATE ION (MG/L AS HCO3)	8	0	2	6	8
00445	CARBONATE ION (MG/L AS CO3)	8	0	2	6	8
		92	20	56	16	40 (21)[!]

pH		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	143	13	122	8	36
00403	PH, LAB (STANDARD UNITS)	18	5	0	13	11
00406	PH, FIELD (STANDARD UNITS)	5	0	5	0	5
		166	18	127	21	52 (48)[!]

Conductivity		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	121	0	120	1	24
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	132	113	2	17	34
00480	SALINITY - PARTS PER THOUSAND	1209	1073	0	136	57
		1462	1186	122	154	115(114)[!]

Dissolved Oxygen		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	259	108	151	0	27
00300	OXYGEN, DISSOLVED (MG/L)	143	12	127	4	35
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	17	12	5	0	7
		419	132	283	4	69 (62)[!]

Water Temperature		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	1633	1224	69	340	113
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	269	0	215	54	43
		1902	1224	284	394	156(144)[!]

Flow		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	54	0	0	54	9
00060	FLOW, STREAM, MEAN DAILY CFS	191	0	0	191	4
00061	FLOW, STREAM, INSTANTANEOUS CFS	117	37	48	32	33
		362	37	48	277	46 (45)[!]

[!]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	4	0	0	4	4
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1	0	0	1	1
00077	TRANSPARENCY, SECCHI DISC (INCHES)	9	0	9	0	3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	100	95	5	0	21
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	5	0	5	0	5
		119	95	19	5	34 (28)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	80	80	0	0	15
00602	NITROGEN, DISSOLVED (MG/L AS N)	85	85	0	0	16
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	84	84	0	0	15
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1366	1220	141	5	50
00612	AMMONIA, UNIONZED (MG/L AS N)	1	1	0	0	1
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	2	0	0	2	2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	35	25	5	5	18
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	82	0	78	4	6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1324	1241	78	5	32
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	14	12	2	0	6
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	106	106	0	0	16
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	9	9	0	0	9
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14	0	0	14	10
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	9	9	0	0	9
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	103	103	0	0	16
		3314	2975	304	35	221 (84)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14	9	5	0	14
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	5	0	5	0	5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	150	72	73	5	18
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	79	79	0	0	15
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	5	0	5	0	5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	200	118	77	5	26
		453	278	165	10	83 (40)[1]

Chlorophyll		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	9	0	9	0	3
		9	0	9	0	3 (3)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	34	8	7	19	26
00945	SULFATE, TOTAL (MG/L AS SO4)	14	12	2	0	6
00946	SULFATE, DISSOLVED (MG/L AS SO4)	19	0	0	19	16
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	17	12	5	0	9
		84	32	14	38	57 (27)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Bacteria		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	5	0	5	0	5
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	2503	2342	154	7	65
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	22	0	22	0	12
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	1022	915	97	10	24
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	1514	1435	79	0	45
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	12	12	0	0	3
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	12	12	0	0	3
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	12	0	12	0	7
		5102	4716	369	17	164 (73)[!]

Toxic Elements		Total Obs.	01/01/85 to 12/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01002	ARSENIC, TOTAL (UG/L AS AS)	12	12	0	0	4
01027	CADMIUM, TOTAL (UG/L AS CD)	12	12	0	0	4
01034	CHROMIUM, TOTAL (UG/L AS CR)	12	12	0	0	4
01042	COPPER, TOTAL (UG/L AS CU)	12	12	0	0	4
01051	LEAD, TOTAL (UG/L AS PB)	12	12	0	0	4
71900	MERCURY, TOTAL (UG/L AS HG)	12	12	0	0	4
01147	SELENIUM, TOTAL (UG/L AS SE)	5	5	0	0	3
01092	ZINC, TOTAL (UG/L AS ZN)	12	12	0	0	4
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
		95	89	6	0	37 (5)[!]

[!]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	92	20	21.7	21	10.6	4.4	01/17/54-06/01/88	2.7
pH	166	18	10.8	48	24.2	3.5	01/07/54-03/10/98	3.8
Conductivity	1462	1186	81.1	114	57.6	12.8	01/07/54-12/08/98	32.5
Dissolved Oxygen	419	132	31.5	62	31.3	6.8	05/15/59-05/15/91	13.1
Water Temperature	1902	1224	64.4	144	72.7	13.2	01/07/54-12/08/98	42.3
Flow	362	37	10.2	45	22.7	8.0	01/07/54-08/07/90	9.9
Clarity/Turbidity	119	95	79.8	28	14.1	4.3	02/17/54-04/17/89	3.4
Nitrate/Nitrogen	3314	2975	89.8	84	42.4	39.5	01/07/54-06/02/98	74.6
Phosphate/Phosphorus	453	278	61.4	40	20.2	11.3	11/16/74-04/16/97	20.2
Chlorophyll	9	0	0.0	3	1.5	3.0	03/13/75-11/11/75	9.0[!]
Sulfates/Total Dissolved Solids/Hardness	84	32	38.1	27	13.6	3.1	01/07/54-06/01/88	2.4
Bacteria	5102	4716	92.4	73	36.9	69.9	12/08/71-12/08/98	188.9
Toxic Elements	95	89	93.7	5	2.5	19.0	03/13/75-06/01/88	7.2

[!]Period of record for this parameter group was less than one year. Value shown is the total observations.

Water Quality Observations
Outside STORET Edit Criteria for PORE

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
PORE0007	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	950801	1200	62.0000000	11NPSWRD	GOGA_SBWD_S4	

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) <u>PORETABS.ZIP</u>

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) PORESITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) POREAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) POREAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) POREOV0.DOC - Overview of park and retrieved data.

(e) POREOV1.DOC - Station period of record table.

(f) POREOV2.DOC - Parameter period of record table.

(g) POREOV3.DOC - Station/parameter period of record table.

(h) POREINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) PORESEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) POREEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) POREIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) POREBAD.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 POREOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\POREOV1.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) POREFIGS.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 PORE0001. 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 PORE0001) 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) POREPARM.ZIP

This file compresses POREPARM.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) PORESITE.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) POREWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) POREIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) POREDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) POREGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) POREDAMS.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) POREMISC.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) POREEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) PORETOC.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) POREREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) POREWQ - 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 (POREWQA, POREWQB, POREWQC, etc.) and the index map name will end with an ampersand (&).

(g) POREIDG - 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 (POREIDGA, POREIDGB, POREIDGC, 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) PORESEHY - 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 POREFIGS.ZIP and PORETABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in POREMISC.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) PORERF3.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) POREWQMW.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: POREPARM.DBF in POREPARM.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: POREPARM.DBF in POREPARM.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: POREPARM.DBF in POREPARM.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: POREWQ.DBF in PORESITE.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: POREWQ.DBF in PORESITE.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: POREIFD.DBF in PORESITE.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: POREIFD.DBF in PORESITE.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: POREIFD.DBF in PORESITE.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: POREDRIN.DBF in PORESITE.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: POREDRIN.DBF in PORESITE.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: POREDRIN.DBF in PORESITE.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: POREGAGE.DBF in PORESITE.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: POREGAGE.DBF in PORESITE.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: POREDAMS.DBF in PORESITE.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: POREDAMS.DBF in PORESITE.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: POREDAMS.DBF in PORESITE.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: POREDAMS.DBF in PORESITE.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 PORERF3.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 PORERF3.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 PORERF3.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 PORERF3.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 PORERF3.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 PORERF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20[c]			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20[c]			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20[c]			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020[c]			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20[c]			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[P]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[P]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200[^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250[s]			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20[c]			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300[a]	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	81752	1400[+]	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[t]	TURBIDITY, FIELD	NTU	Physical
	82079				50[t]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
7440382	82702	360	50	69		ARSENIC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440393	82703		2			BARIUM, FIELD ACIDIFIED, DECANTED, WATER	MG/L	Metal
7440417	82704	130*	4.0			BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440439	82705	3.9+	5.0	43		CADMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440473	82706		100			CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440508	82708	18+	1300[a]	2.9		COPPER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439921	82711	82+	15[a]	220		LEAD, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439976	82713	2.4	2.0	2.1		MERCURY, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440020	82715	1400+	100	75		NICKEL, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440224	82716	4.1+	100[s]	0.12		SILVER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440666	82719	120+	5000[s]	95		ZINC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-

STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-

STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447

STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (μEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440382
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440417
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440439
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440473
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440508
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439921
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439976
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440020
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440224
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440666
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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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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