Baseline Water Quality Data

Inventory and Analysis

Fort Matanzas National Monument



Water Resources Division and Servicewide Inventory and Monitoring Program

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

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

FORT MATANZAS NATIONAL MONUMENT

National Park Service
Water Resources Division
Fort Collins, CO 80525

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EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Fort Matanzas National Monument (FOMA) 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 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, drinking water intakes, water gages, or water impoundments. The results of the STORET retrieval for the study area yielded 45,362 observations for 206 separate parameters collected by the U.S. Geological Survey, EPA, Florida Department of Environmental Protection (FDEP), St. John's River Water Management District, and Watershed Action Volunteers at 41 monitoring stations from 1971 to 1998. Approximately 98 percent of the 45,362 observations collected within the study area were reported by the FDEP from 1971 to 1998. One station (FOMA 0020) was located within the park boundary.

Thirty-four stations within the study area (none within the park boundary) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longest-term records within the study area, but outside of the park boundary, are: (1) Intercoastal Waterway (ICWW) Marker 60 N Crescent Beach Branch (FOMA 0041); (2) ICWW Marker 87 at Marineland (FOMA 0007); (3) East of Summer Haven at Northwest Turn (FOMA 0012); (4) Mouth of creek northwest of CM 86 (FOMA 0009); (5) Mouth of creek east of CM 75 (FOMA 0030); (6) Across from Fort Matanzas at creek mouth (FOMA 0021); and (7) Marina south of the State Route 206 Bridge (FOMA 0040)[†].

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 FOMA water quality criteria screen found 11 groups of parameters that exceeded screening criteria at least once within the study area. Chloride and copper exceeded their respective EPA criteria for the protection of freshwater aquatic life. Dissolved oxygen, pH, cadmium, copper, lead, and zinc exceeded their respective EPA criteria for the protection of marine aquatic life. Chloride and sulfate exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for marine bathing and aquatic life, respectively.

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

Dissolved oxygen concentrations were measured 3,869 times at 38 monitoring stations from 1971 to 1998. Seventy-nine observations at 27 estuary stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of aquatic life from 1985 through 1997.

The pH was measured 3,781 times at 39 monitoring stations from 1971 to 1998. Twenty-five concentrations at 15 estuary stations were outside the pH range of 6.5 to 8.5 standard units (SU) (EPA chronic criteria for marine aquatic life) from 1971 through 1994. Twenty-four observations were greater than or equal to pH 8.5 and one observation was less than pH 6.5. The highest pH of 8.96 SU was reported in the Matanzas River at ICWW Marker No. 94 near the Pellicer Creek confluence (FOMA 0001) in January 1971. The lowest pH of 6.3 SU was reported in the Matanzas River at ICWW Marker No. 60 just north of the Crescent Beach Bridge (FOMA 0041) in December 1976.

Turbidity was measured 3,612 times at 35 monitoring stations from 1971 to 1998. One concentration of 76 Jackson Candle Turbidity Units at an estuary station in the Matanzas River at ICWW Marker No. 60 just north of the Crescent Beach Bridge (FOMA 0041) exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units in March 1975.

Total coliform concentrations were measured 264 times at five estuary stations in the Matanzas River/ICWW (FOMA 0001, FOMA 0007, FOMA 0016, FOMA 0017, FOMA 0041) from 1971 to 1998. Nine concentrations at four stations, ICWW Marker No. 60 just north of the Crescent Beach Bridge (FOMA 0041), ICWW Marker No. 94 near the Pellicer Creek confluence (FOMA 0001), ICWW Marker No. 87 near Marineland (FOMA 0007), and ICWW at the channel cut to Matanzas Pass (FOMA 0016), exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1974 through 1988. Six of these nine concentrations were reported in the Matanzas River at ICWW Marker No. 60 just north of the Crescent Beach Bridge (FOMA 0041) from 1979 through 1988, including the highest concentration of 17,000 MPN/100 ml in March 1985. Fecal coliform concentrations were measured 235 times at five estuary stations in the Matanzas River/ICWW (FOMA 0001, FOMA 0007, FOMA 0016, FOMA 0017, FOMA 0041) from 1972 to 1998. Five observations at ICWW Marker No. 60 just north of the Crescent Beach Bridge (FOMA 0041) exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1974 to 1998, including the highest concentration of 2,300 MPN/100 ml in May 1985.

Total chloride concentrations were measured 136 times at seven monitoring stations from 1971 through 1991. Of the 20 observations used in the criteria analysis[††], 20 concentrations at two non-marine stations, in the Matanzas River at ICWW Marker No. 89 near Marineland (FOMA 0005) and near Crescent Beach (FOMA 0038), exceeded the drinking water criterion of 250 mg/L and the acute freshwater criterion of 860 mg/L from 1977 through 1989. Fifteen of these 20 concentrations were reported in the Matanzas River at ICWW Marker No. 89 near Marineland (FOMA 0005) from 1986 through 1989, including the highest concentration of 46,320 mg/L in February 1989.

Total sulfate concentrations were measured 49 times at six monitoring stations (FOMA 0001, FOMA 0005, FOMA 0007, FOMA 0016, FOMA 0038, FOMA 0041) from 1973 through 1991. Of the 19 observations used in the criteria analysis[††], 18 concentrations at two non-marine stations, in the Matanzas River at ICWW Marker No. 89 near Marineland (FOMA 0005) and near Crescent Beach (FOMA 0038), exceeded the drinking water criterion of 250 mg/L from 1981 through 1989. Sixteen of these 18 concentrations were reported in the Matanzas River at ICWW Marker No. 89 near Marineland (FOMA 0005) from 1986 through 1989, including the highest concentration of 3,025 mg/L in June 1987.

[††]Water quality observations collected at marine stations were excluded from the criteria analysis due to the absence of applicable marine criteria for this parameter; however, observations collected at tidally influenced riverine stations may have been included. Depending on tidal conditions at the time of measurement, comparisons of data from tidally influenced riverine stations against the total chloride and total sulfate acute freshwater or drinking water criteria may not be appropriate.

Cadmium concentrations (including suspended and total) were measured 30 times at two estuary stations in the ICWW (FOMA 0007, FOMA 0041) from 1973 through 1983. Of the 29 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), one total concentration of 70 micrograms per liter (µg/L) in the Matanzas River at ICWW Marker No. 60 just north of the Crescent Beach Bridge (FOMA 0041) exceeded the acute marine criterion of 43 µg/L in June 1981.

Copper concentrations (including dissolved and total) were measured 30 times at three ICWW monitoring stations (FOMA 0005, FOMA 0007, FOMA 0041) from 1973 through 1988. Of the 13 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), eight concentrations at an estuary station in the Matanzas River at ICWW Marker No. 60 just north of the Crescent Bay Bridge (FOMA 0041) exceeded the acute marine criterion of 2.9 µg/L from 1976 through 1983. One dissolved concentration of 54 µg/L at a non-marine station in the Matanzas River at ICWW Marker No. 89 near Marineland (FOMA 0005) exceeded the acute freshwater criterion of 18 µg/L in August 1988[†††]. The highest concentration of 550 µg/L was reported at an estuary station in the Matanzas River at ICWW Marker No. 60 just north of the Crescent Bay Bridge (FOMA 0041) in June 1981.

Total lead concentrations were measured 27 times at two estuary stations in the ICWW (FOMA 0007, FOMA 0041) from 1973 through 1983. Two concentrations, 250 µg/L and 220 µg/L in the Matanzas River at ICWW Marker No. 60 just north of the Crescent Bay Bridge (FOMA 0041), exceeded or equaled the acute marine criterion of 220 µg/L in June 1981 and April 1980, respectively.

Zinc concentrations (including dissolved and total) were measured 24 times at three ICWW monitoring stations (FOMA 0005, FOMA 0007, FOMA 0041) from 1973 through 1988. Of the 23 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), ten total concentrations at an estuary station in the Matanzas River at ICWW Marker No. 60 just north of the Crescent Bay Bridge (FOMA 0041) exceeded the acute marine criterion of 95 µg/L from 1973 through 1983, including the highest concentration of 400 µg/L in April 1976.

The IDEA conducted for FOMA indicates that STORET data exist for all 13 Level I parameter groups in the study area. For the group Toxic Elements, less than 4 percent of the observations were recorded since 1985. For five parameter groups (pH, Dissolved Oxygen, Water Temperature, Flow, and Clarity/Turbidity), at least 91 percent of the observations were recorded since 1985. Overall, approximately 89 percent of the observations for Level I parameter groups were recorded since 1985. Data for eight groups (Alkalinity, Conductivity, Nitrate/Nitrogen, Phosphate/Phosphorus, Chlorophyll, Sulfates/Total Dissolved Solids/Hardness, Bacteria, and Toxic Elements) were recorded at less than half of the 41 monitoring stations. Relative to other groups, data were limited for Chlorophyll, Sulfates/Total Dissolved Solids/Hardness, and Toxic Elements. Results for six of the 126 EPA priority toxic pollutants (consisting of metals only) were retrieved from STORET. The one station within park boundaries (FOMA 0020) contained only shellfish tissue data.

Surface water resources in the FOMA study area include the Atlantic Ocean; portions of the Intracoastal Waterway; Matanzas River; Matanzas Inlet; Pellicer and other creeks; and numerous tidal swamps, marshes, and estuaries. Many of these water resources are influenced by tidal flow and contain fresh and saline waters in transition. Based on the data inventories and analysis contained in this report, surface water quality within the study area appears to have been impacted by human activities. Potential anthropogenic sources of contaminants include municipal wastewater discharges; commercial and residential development; waterway navigation activities; stormwater runoff; recreational activities; and atmospheric deposition.

[†††]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. Some agencies and/or programs have classified stations near the same location differently. For example, the Matanzas River near Marineland is the site of both marine (FOMA 0003, FOMA 0004, FOMA 0006, FOMA 0007) and non-marine (FOMA 0005) stations. Consequently, both marine and freshwater criteria are applied near the location.

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INTRODUCTION

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

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

Goal

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

Purpose

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

Objectives

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

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

2. Develop a complete inventory of all retrieved data;

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

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

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

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

Document Overview

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

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

Caveats

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

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

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

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

Key Personnel

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

National Park Service, Water Resources Division:

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

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

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

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

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

Greg Harp and Clint Bassett helped prepare reports and write the Executive Summaries.

Elizabeth Eisenhauer, Dawn Grandbois, Bill Folsom, Dana Griffin, and Scott Ratchford provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor, J. Chris Echohawk, Curtis Cooper, Adam Henson, Shawndra Mawhorter, Lisa Smith, Ryan Shy, Lisa Dummer, Eric Lord, Adriane Petersen, Margaret Matter, Richard Henderson, Ronda Burns, and Aria Brissette 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.

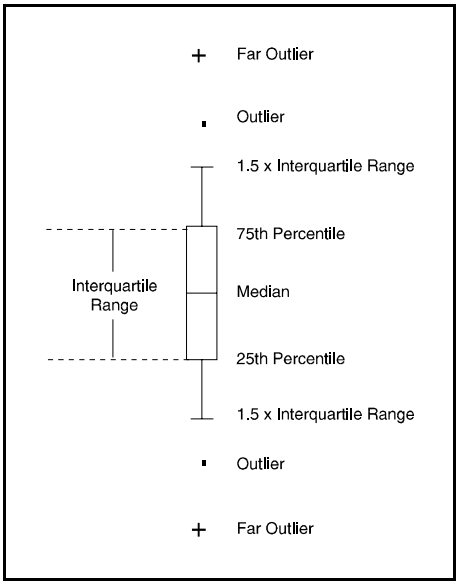
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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 $\mu eq/l\ H^+$; and (3) $\mu eq/l\ H^+$. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to $\mu eq/l\ H^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu eq/l\ H^+$, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

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

EPA Water Quality Criteria Analysis for Station

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

the scope 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 FOMA

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:	15860	298
# STORET Stations:	41	1
# Stations With No Data:	0	0
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	34	0
Date of STORET Retrieval:	10/19/98	10/19/98
Period of Record:	01/28/71-09/14/98	12/04/76-12/04/76
# Parameters Measured:	206	13
# Water Quality Observations:	45362	13
# Industrial/Municipal Facilities:	0	0
# Drinking Water Intakes:	0	0
# Water Gages:	0	0
# Water Impoundments:	0	0
# Total Plots:	136	0
# Time Series:	38	0
# Annual:	70	0
# Seasonal:	28	0

Hydrologic Definition of Seasons:

1. September 15 - November 14
2. November 15 - June 14
3. June 15 - September 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 6 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.

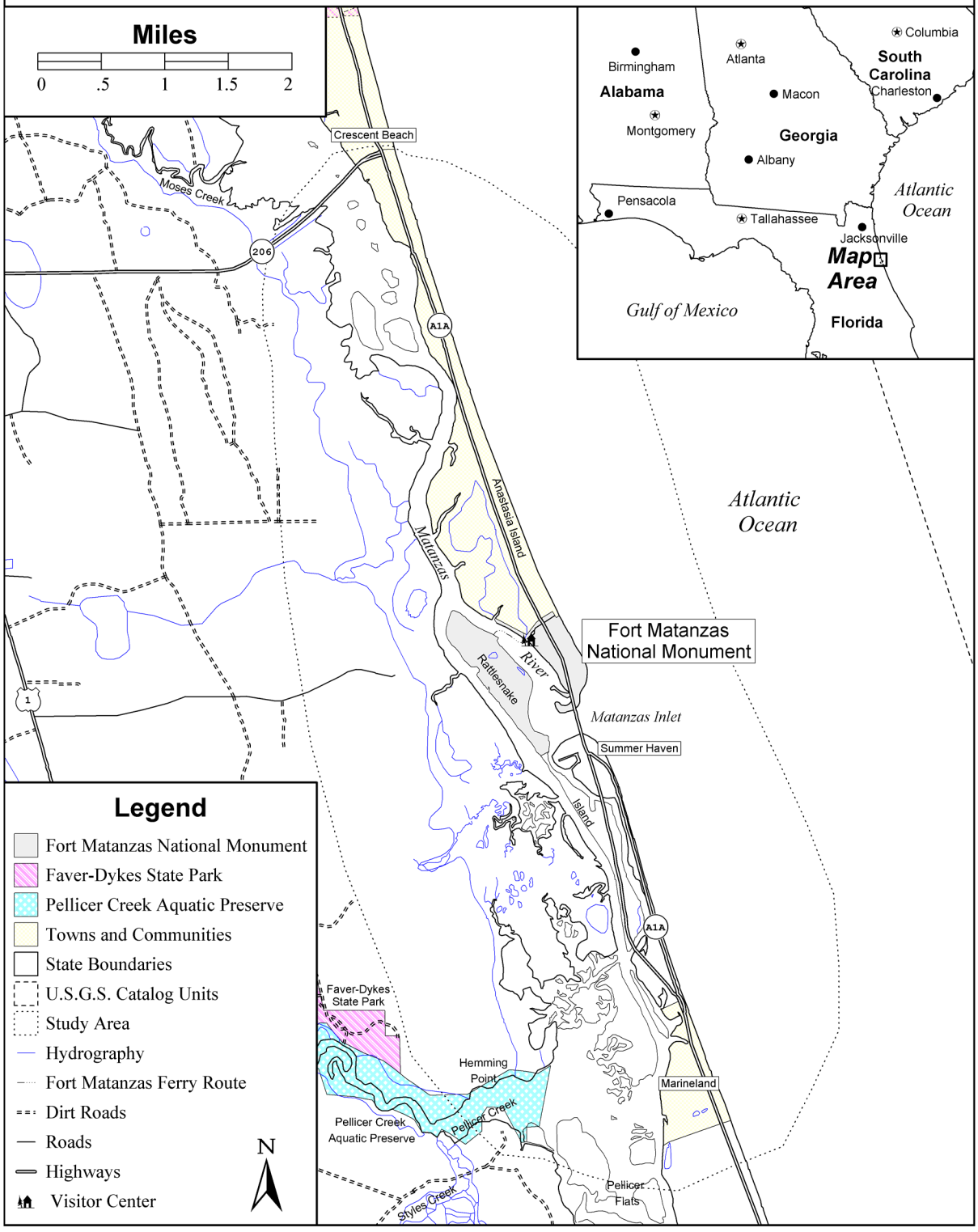
Seasonal Analysis Criteria:

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 22 years and observations in at least 4 of the 22 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.

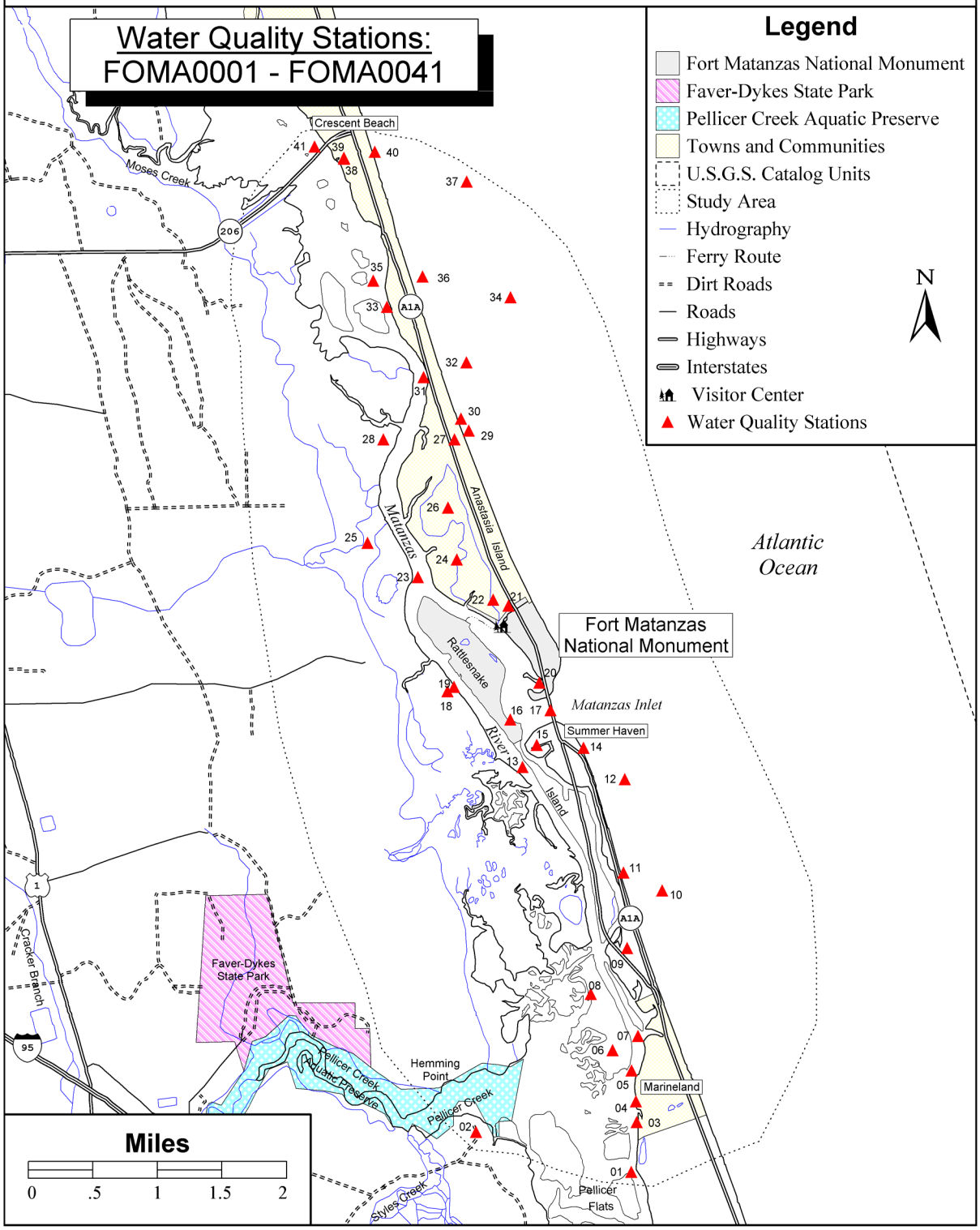
Fort Matanzas National Monument

Regional Location Map



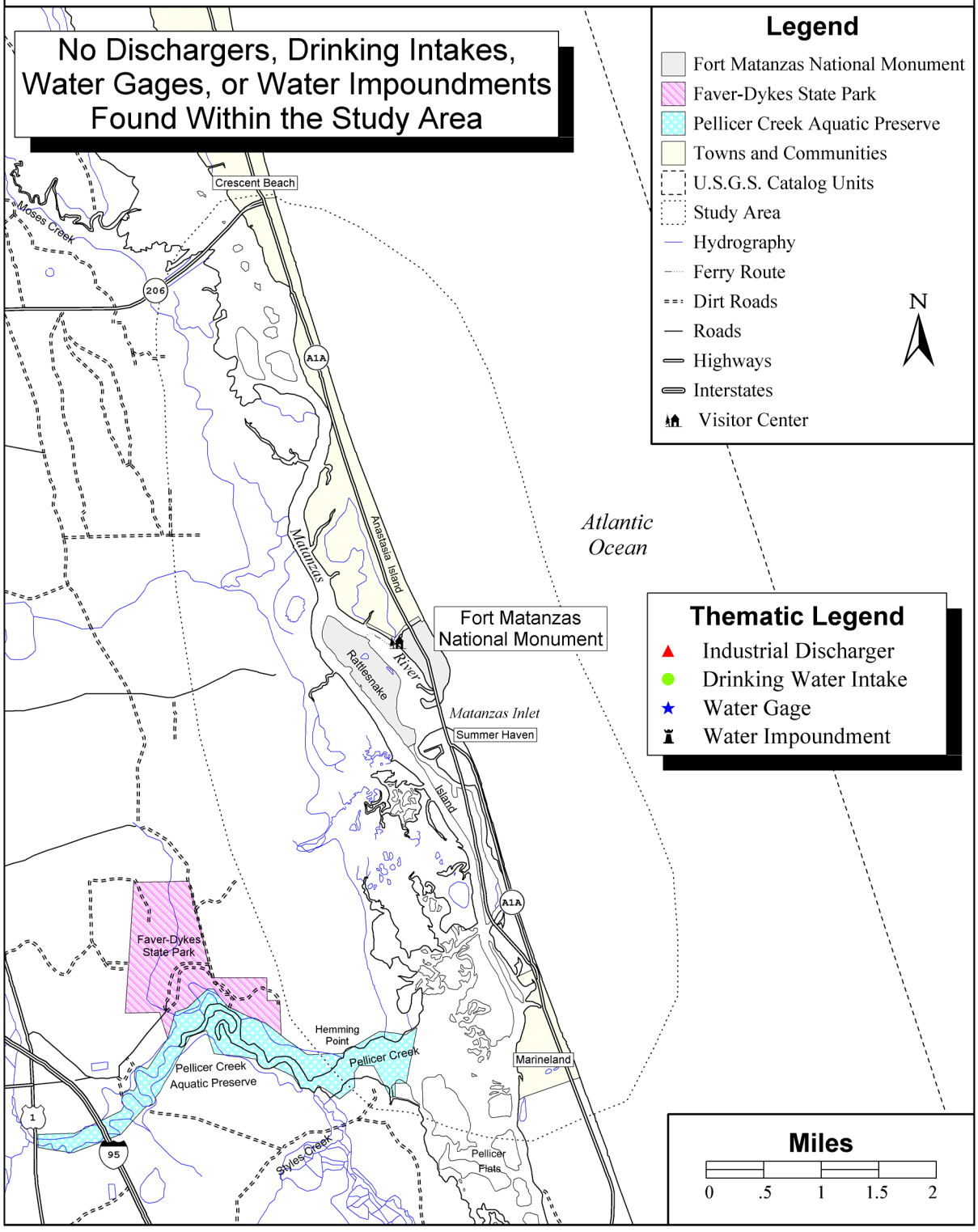
Fort Matanzas National Monument

Water Quality Monitoring Locations



Fort Matanzas National Monument

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the FOMA 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)

No drinking water intakes available for this study area.

Water Gages

Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year

No stream flow gages available for this study area.

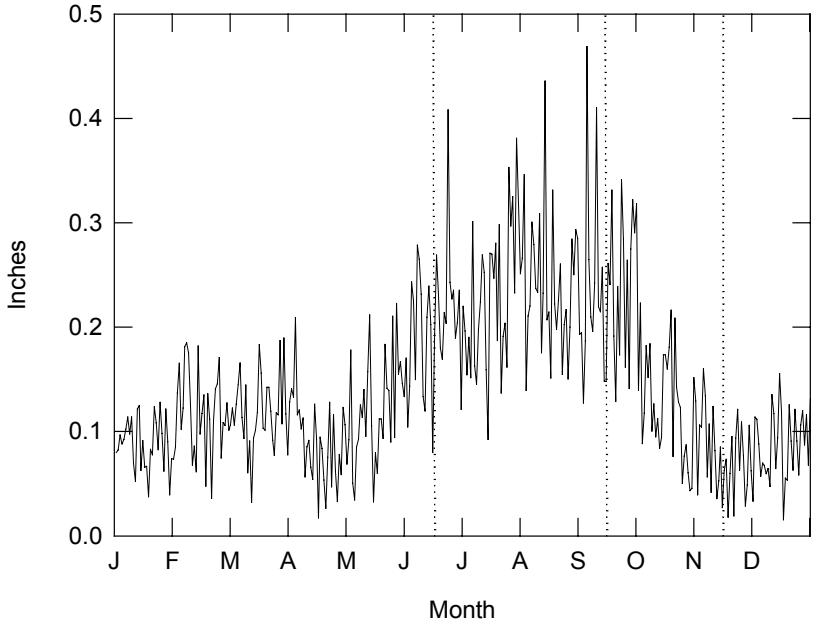
Water Impoundments

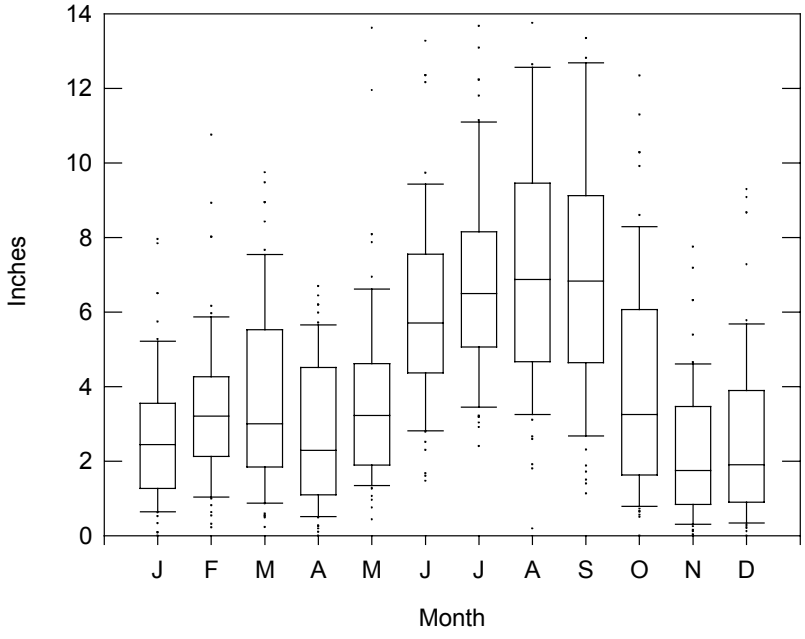
Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed

No water impoundments available for this study area.

REPRESENTATIVE PRECIPITATION PLOTS FOR SEASONAL ANALYSIS

FORT MATANZAS NATIONAL MONUMENT
Federal Point Station
2915, 60 year record





Plot of average daily precipitation (top) and distribution of total monthly precipitation (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 Fort Matanzas National Monument are: Sep. 15 to Nov. 14, Nov. 15 to Jun. 14, and Jun. 14 to Sep. 15.

CONTACTS FOR AGENCY CODES RETRIEVED FOR FOMA

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
21FLA	COSSIN, KEN	FLORIDA DEPT ENV PROTECTN	(850)921-9925	
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
21FLSJWM	FEGAN, REGINA	ST. JOHN'S RIVER WATER	(904)329-4386	(904)329-4339
11EPAMW	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
21FLVOL	FREASE, ROBERT	WATERSHED ACTION VOL	(407)725-4522	

QUANTITY OF DATA RETRIEVED FOR FOMA 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
21FLA	FLORIDA DEPT ENV PROTECTN	01/28/71-09/14/98	No Data in Park	36	0	33	0	0	0	44332	0	159	0
112WRD	US GEOLOGICAL SURVEY	05/03/77-09/13/94	No Data in Park	2	0	0	0	0	0	225	0	32	0
21FLSJWM	ST. JOHN'S RIVER WATER	10/09/86-08/16/89	No Data in Park	1	0	1	0	0	0	555	0	45	0
11EPAMW	USEPA HQ	12/04/76-12/04/76	12/04/76-12/04/76	1	1	0	0	0	0	13	13	13	13
21FLVOL	WATERSHED ACTION VOL	05/12/95-11/17/96	No Data in Park	1	0	0	0	0	0	237	0	9	0
Totals		01/28/71-09/14/98	12/04/76-12/04/76	41	1	34	0	0	0	45362	13	206	13

[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 01/28/71 To 09/14/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75
FOMA0001[1]	ICWW MARKER 94 AT PELLICER CR CO	No	588	199	68	321
FOMA0002	93911401 10S30E39	No	18	0	18	0
FOMA0003	ICW S OF MARINELAND	No	15	15	0	0
FOMA0004	ICW N OF MARINELAND	No	15	15	0	0
FOMA0005[1]	MATANZAS RIVER AT CM #89	No	555	555	0	0
FOMA0006[1]	Culvert on west shore of Summer Is	No	1077	1077	0	0
FOMA0007[1]	ICWW MARKER 87 AT MARINELAND	No	948	585	84	279
FOMA0008[1]	Upstream from station 101	No	1570	1570	0	0
FOMA0009[1]	Mouth of creek northwest of CM 86	No	1828	1828	0	0
FOMA0010[1]	Tip of small island east of Rattlesnake Is	No	1619	1619	0	0
FOMA0011[1]	Mouth of creek southwest of CM 85	No	1522	1522	0	0
FOMA0012[1]	East of Summer Haven at northwest turn	No	1908	1908	0	0
FOMA0013[1]	Up creek from station 171	No	1272	1272	0	0
FOMA0014[1]	Mouth of residential canal south of inlet	No	596	596	0	0
FOMA0015[1]	Mouth of creek southwest of CM 83A	No	1579	1579	0	0
FOMA0016[1]	ICWW AT CHANNEL CUT TO MATANZAS	No	553	206	63	284
FOMA0017	ICWW-MATANZAS INLET @ ALA BRIDGE	No	45	0	22	23
FOMA0018[1]	Up creek from station 189	No	881	881	0	0
FOMA0019[1]	Mouth of 2nd creek southwest of CM 81C	No	1038	1038	0	0
FOMA0020	ST AUGUSTINE FLORIDA	Yes	13	0	13	0
FOMA0021[1]	Across from Fort Matanzas at creek mouth	No	1730	1730	0	0
FOMA0022[1]	Up creek from station 11	No	1028	1028	0	0
FOMA0023[1]	CM 80A	No	684	684	0	0
FOMA0024[1]	Up creek from station 10	No	1074	1074	0	0
FOMA0025[1]	Up creek southwest of CM 78	No	937	937	0	0
FOMA0026[1]	Mouth of creek southeast of CM 79	No	1676	1676	0	0
FOMA0027[1]	Creek mouth west of CM 75	No	1270	1270	0	0
FOMA0028[1]	Up creek west of CM 75	No	1156	1156	0	0
FOMA0029[1]	Up creek from station 31	No	1530	1530	0	0
FOMA0030[1]	Mouth of creek east of CM 75	No	1745	1745	0	0
FOMA0031[1]	CM 72	No	680	680	0	0
FOMA0032[1]	Culvert south of boat ramp east of CM 72	No	1544	1544	0	0
FOMA0033	I.C.W. ST. AUGUSTINE	No	237	237	0	0
FOMA0034[1]	CM 70	No	1296	1296	0	0
FOMA0035[1]	West of CM 64 lease 55-AQ-015	No	1062	1062	0	0
FOMA0036[1]	South of Devils Elbow Fish Camp east shore	No	1617	1617	0	0
FOMA0037[1]	CM 60	No	680	680	0	0
FOMA0038	SJ-94 HOWARD AT CRESCENT BEACH, FL	No	207	97	110	0
FOMA0039[1]	Southwest of SR 206 bridge	No	1191	1191	0	0
FOMA0040[1]	Marina south of SR 206 bridge	No	1666	1666	0	0
FOMA0041[1]	ICWW MARKER 60 N CRESCENT BCH BR	No	4712	1769	2106	837

[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 01/28/71 To 09/14/98

Parameter Code	Name	Total Obs	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	246	227	19	0	6	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	4834	4679	91	64	39	0
00012	EVAPORATION TEMPERATURE (48 INCHPAN) DEG CENT	1	0	0	1	1	0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	48	48	0	0	2	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	390	243	114	33	8	0
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	331	241	90	0	7	0
00032	CLOUD COVER (PERCENT)	35	35	0	0	2	0
00035	WIND VELOCITY (MILES PER HOUR)	3377	3377	0	0	30	0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	3377	3377	0	0	30	0
00039	SAMPLE LENGTH IN MILLIMETERS	17	17	0	0	1	0
00041	WEATHER (WMO CODE 4501)	16	16	0	0	1	0
00055	VELOCITY, STREAM FT/SEC	82	64	18	0	6	0
00064	DEPTH OF STREAM, MEAN (FT)	1	0	1	0	1	0
00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	3370	3360	0	10	30	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	74	0	7	67	4	0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	161	86	75	0	5	0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	15	12	1	2	3	0
00078	TRANSPARENCY, SECCHI DISC (METERS)	167	100	67	0	8	0
00080	COLOR (PLATINUM-COBALT UNITS)	87	18	7	62	6	0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	159	84	75	0	5	0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	133	100	33	0	7	0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	195	87	70	38	6	0
00098	SAMPLING STATION LOCATION VERTICAL (METERS)	17	17	0	0	1	0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	3610	3602	8	0	36	0
00300	OXYGEN, DISSOLVED MG/L	259	112	77	70	6	0
00310	BOD, 5 DAY, 20 DEG C MG/L	226	102	57	67	8	0
00340	COD, .25N K2CR2O7 MG/L	39	0	0	39	4	0
00400	PH (STANDARD UNITS)	213	102	61	50	9	0
00403	PH, LAB, STANDARD UNITS SU	3536	3444	72	20	35	0
00405	CARBON DIOXIDE (MG/L AS CO2)	1	0	1	0	1	0
00406	PH, FIELD, STANDARD UNITS SU	32	32	0	0	1	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	142	59	21	62	6	0
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	26	26	0	0	1	0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	78	0	20	58	4	0
00440	BICARBONATE ION (MG/L AS HCO3)	1	0	1	0	1	0
00445	CARBONATE ION (MG/L AS CO3)	1	0	1	0	1	0
00480	SALINITY - PARTS PER THOUSAND	118	107	11	0	8	0
00500	RESIDUE, TOTAL (MG/L)	64	0	19	45	4	0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	65	0	18	47	4	0
00510	RESIDUE, TOTAL FIXED (MG/L)	63	0	18	45	4	0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	38	0	0	38	4	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	242	100	75	67	8	0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	217	82	72	63	7	0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	221	83	72	66	7	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	14	0	4	10	4	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	184	94	75	15	6	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	22	0	22	0	2	0
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	1	0	1	0	1	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	124	0	58	66	5	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	168	93	74	1	6	0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	123	101	22	0	5	0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	35	0	0	35	5	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	32	0	0	32	4	0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	234	99	79	56	6	0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	1	0	1	0	1	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	42	2	26	14	1	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	55	0	5	50	5	0
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	1	0	1	0	1	0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	8	6	2	0	3	0
00916	CALCIUM, TOTAL (MG/L AS CA)	7	0	3	4	1	0
00920	MAGNESIUM (MG/L AS CACO3)	4	0	1	3	1	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	7	6	1	0	2	0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	3	0	3	0	1	0
00929	SODIUM, TOTAL (MG/L AS NA)	5	0	3	2	1	0
00930	SODIUM, DISSOLVED (MG/L AS NA)	8	6	2	0	3	0
00931	SODIUM ADSORPTION RATIO	1	0	1	0	1	0
00932	SODIUM, PERCENT	1	0	1	0	1	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	8	6	2	0	3	0
00937	POTASSIUM, TOTAL MG/L AS K)	5	0	3	2	1	0
00940	CHLORIDE,TOTAL IN WATER MG/L	136	45	34	57	7	0
00945	SULFATE, TOTAL (MG/L AS SO4)	49	27	13	9	6	0

Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Parameter Code	Name	Total Obs	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00950	FLUORIDE, DISSOLVED (MG/L AS F)	7	1	3	3	5	0
00951	FLUORIDE, TOTAL (MG/L AS F)	74	33	36	5	4	0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2	1	1	0	1	0
00956	SILICA, TOTAL (MG/L AS SI02)	26	26	0	0	1	0
00958	SILICATE, UNFILTERED REACTIVE (MG/L SIO3 AS SI)	1	1	0	0	1	0
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	1	0	1	0	1	0
01026	CADMIUM, SUSPENDED (UG/L AS CD)	4	0	3	1	1	0
01027	CADMIUM, TOTAL (UG/L AS CD)	26	0	14	12	2	0
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	2	0	2	0	1	0
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	1	0	1	0	1	0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	1	1	0	0	1	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	3	0	3	0	1	0
01040	COPPER, DISSOLVED (UG/L AS CU)	4	1	2	1	2	0
01042	COPPER, TOTAL (UG/L AS CU)	26	0	14	12	2	0
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	2	0	2	0	1	0
01045	IRON, TOTAL (UG/L AS FE)	39	0	27	12	2	0
01046	IRON, DISSOLVED (UG/L AS FE)	5	5	0	0	1	0
01051	LEAD, TOTAL (UG/L AS PB)	27	0	14	13	2	0
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	2	0	2	0	1	0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	1	0	0	1	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	1	1	0	0	1	0
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	1	1	0	0	1	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	1	1	0	0	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	23	0	15	8	2	0
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	2	0	2	0	1	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	2	0	2	0	1	0
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	87	48	23	16	4	0
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	177	38	73	66	5	0
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	15	15	0	0	4	0
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	40	0	5	35	5	0
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	147	38	73	36	5	0
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	33	33	0	0	2	0
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	3371	3371	0	0	30	0
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	9	9	0	0	4	0
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	4	4	0	0	1	0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	20	15	4	1	2	0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	65	53	12	0	5	0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	16	15	0	1	2	0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	16	15	0	1	2	0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	15	15	0	0	1	0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	15	15	0	0	1	0
32230	CHLOROPHYLL A (MG/L)	3	0	0	3	3	0
32231	CHLOROPHYLL B (MG/L)	3	0	0	3	3	0
32232	CHLOROPHYLL C (MG/L)	3	0	0	3	3	0
34257	B-BHC-BETA DRY WGTBOTUG/KG	2	0	2	0	1	0
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	2	0	2	0	1	0
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	2	0	2	0	1	0
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	2	0	2	0	1	0
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	2	0	2	0	1	0
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	2	0	2	0	1	0
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	2	0	2	0	1	0
39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	2	0	2	0	1	0
39070	CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	2	0	2	0	1	0
39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	2	0	2	0	1	0
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	2	0	2	0	1	0
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	0
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	2	0	2	0	1	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	2	0	2	0	1	0
39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	2	0	2	0	1	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	2	0	2	0	1	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	2	0	2	0	1	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	0
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	2	0	2	0	1	0
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	2	0	2	0	1	0

Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Parameter Code	Name	Total Obs	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	2	0	2	0	1	0
39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	2	0	2	0	1	0
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	2	0	2	0	1	0
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	0	2	0	1	0
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	0	2	0	1	0
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	0	2	0	1	0
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	2	0	2	0	1	0
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	0
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	0
39581	GUTHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	2	0	2	0	1	0
46530	SEDIMENT PARTICLE SIZE FRAC.-.5-2.0MM,%DRY WT	3	1	2	0	1	0
46531	SEDIMENT PARTICLE SIZE FRAC.-.125-.5MM,%DRY WGT	3	1	2	0	1	0
48201	FECAL COLIFORM MPN & MEMBRANE FILTER, 44.5C	37	0	22	15	1	0
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	18	18	0	0	2	0
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	1	0	1	0	1	0
70305	SALINITY BASED ON CONDUCTIVITY	4313	4313	0	0	29	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	148	34	46	68	6	0
71488	MACROINVERTEBRATES,BENTHIC,TOTAL NO/M2	1	1	0	0	1	0
71820	DENSITY (GM/ML AT 20 C)	1	1	0	0	1	0
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	27	0	0	27	4	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	3	0	3	0	1	0
71900	MERCURY, TOTAL (UG/L AS HG)	2	0	2	0	1	0
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	1	0	1	0	1	0
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	136	91	45	0	7	0
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	18	0	18	0	2	0
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	36	16	20	0	2	0
80096	SEDIMENT PRCTL.SIZE CLASS ORGANIC MATTER %DRYWT	3	1	2	0	1	0
80250	SEDIMENT PARTICLE SIZE FRACT.<.0625MM % DRY WEIGHT	3	1	2	0	1	0
80251	SEDIMENT PRCTL.SIZE CLASS.06-.125MMV-FINESAND%DRWT	3	1	2	0	1	0
80256	SEDIMENT PRTCL.SIZE CLASS>2.0MM GRAVEL % DRY WT.	3	1	2	0	1	0
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	1	0	1	0	1	1
81623	PCB - 1254 IN SHELLFISH TISSUE DRY WEIGHT UG/KG	1	0	1	0	1	1
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	1	0	1	0	1	1
81627	ZINC IN SHELLFISH TISSUE DRY WEIGHT MG/KG	1	0	1	0	1	1
81628	NICKEL IN SHELLFISH TISSUE DRY WEIGHT MG/KG	1	0	1	0	1	1
81633	LEAD IN SHELLFISH TISSUE DRY WEIGHT MG/KG	1	0	1	0	1	1
81634	CADMIUM IN SHELLFISH TISSUE DRY WEIGHT MG/KG	1	0	1	0	1	1
81635	SILVER IN SHELLFISH TISSUE DRY WEIGHT MG/KG	1	0	1	0	1	1
81636	COPPER IN SHELLFISH TISSUE DRY WEIGHT MG/KG	1	0	1	0	1	1
81637	SHELLFISH SPECIES NUMERIC CODE	1	0	1	0	1	1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	4929	4929	0	0	29	0
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	1	0	1	0	1	0
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	3377	3377	0	0	30	0
82246	NATURAL SUBSTRATE,DIVERSITY INDEX	37	9	25	3	4	0
82247	NATURAL SUBSTRATE DIVERSITY INDEX	9	0	6	3	1	0
82248	NATURAL SUBSTRATE,REDUNDANCY INDEX	9	0	6	3	1	0
82249	NATURAL SUBSTRATE, REDUNDANCY INDEX	9	0	6	3	1	0
82250	NATURAL SUBSTRATE - NUMBER OF SPECIES	36	8	25	3	4	0
82251	ARTIFICIAL SUBSTRATE,DIVERSITY INDEX	2	0	1	1	1	0
82252	ARTIFICIAL SUBSTRATE DIVERSITY INDEX	2	0	1	1	1	0
82253	ARTIFICIAL SUBSTRATE,REDUNDANCY INDEX	2	0	1	1	1	0
82254	ARTIFICIAL SUBSTRATE REDUNDANCY INDEX	2	0	1	1	1	0
82255	ARTIFICIAL SUBTRATE #OF SPECIES INDEX	2	0	1	1	1	0
82257	BIOTIC INDEX (SPECIES) INDEX	2	2	0	0	1	0
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	1	1	0	0	1	0
83500	SAMPLE, AREA SQUARE CENTIMETERS	91	17	62	12	1	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	36	15	21	0	2	0
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	36	15	21	0	2	0
84007	ANATOMY ALPHA CODE	1	0	1	0	1	1
84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	1	0	1	0	1	1
84009	SHELLFISH SPECIES ALPHANUMERIC CODE	1	0	1	0	1	1

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0001	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/13/84-05/14/91	6	16	
FOMA0003	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/04/95-12/04/95	0	1	
FOMA0004	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/04/95-12/04/95	0	1	
FOMA0007	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/13/84-11/02/94	9	52	
FOMA0016	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/13/84-05/14/91	6	17	
FOMA0041	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/10/83-09/14/98	15	159	
FOMA0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	20	23	
FOMA0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/95-12/04/95	0	1	
FOMA0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/95-12/04/95	0	1	
FOMA0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/86-08/16/89	2	17	
FOMA0006	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	4	118	
FOMA0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-11/02/94	23	34	
FOMA0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	7	186	
FOMA0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	7	254	
FOMA0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	188	
FOMA0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	7	174	
FOMA0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	264	
FOMA0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	7	134	
FOMA0014	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-06/30/97	2	69	
FOMA0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	7	190	
FOMA0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	20	21	
FOMA0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/73-01/18/78	4	2	
FOMA0018	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	4	98	
FOMA0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	4	119	
FOMA0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	218	
FOMA0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	4	119	
FOMA0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-06/30/97	2	91	
FOMA0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/93-06/30/97	4	119	
FOMA0025	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/93-06/24/97	3	103	
FOMA0026	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	203	
FOMA0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	4	169	
FOMA0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	4	139	
FOMA0029	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	176	
FOMA0030	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	222	
FOMA0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-06/30/97	2	90	
FOMA0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	169	
FOMA0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/95-11/17/96	1	31	
FOMA0034	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	4	176	
FOMA0035	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	4	125	
FOMA0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	187	
FOMA0037	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-06/30/97	2	90	
FOMA0038	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/77-05/18/88	11	6	
FOMA0039	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	4	147	
FOMA0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	202	
FOMA0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	27	159	
FOMA0017	No	00012	EVAPORATION TEMPERATURE (48 INCHPAN) DEG CENT	10/03/73-10/03/73	0	1	
FOMA0005	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/09/86-08/16/89	2	17	
FOMA0033	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/12/95-11/17/96	1	31	
FOMA0001	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/03/73-05/14/91	17	19	
FOMA0003	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/04/95-12/04/95	0	1	
FOMA0004	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/04/95-12/04/95	0	1	
FOMA0007	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/14/76-11/02/94	18	54	
FOMA0016	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/17/78-05/14/91	13	19	
FOMA0017	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/03/73-01/18/78	4	2	
FOMA0038	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/12/82-09/13/94	12	23	
FOMA0041	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/28/71-09/14/98	27	271	
FOMA0001	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/17/78-05/14/91	13	18	
FOMA0003	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/04/95-12/04/95	0	1	
FOMA0004	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/04/95-12/04/95	0	1	
FOMA0007	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/14/76-11/02/94	18	54	
FOMA0016	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/17/78-05/14/91	13	19	
FOMA0038	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/05/81-09/13/94	13	24	
FOMA0041	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	04/13/76-09/14/98	22	214	
FOMA0005	No	00032	CLOUD COVER (PERCENT)	10/09/86-08/16/89	2	17	
FOMA0033	No	00032	CLOUD COVER (PERCENT)	05/12/95-11/17/96	1	18	
FOMA0005	No	00035	WIND VELOCITY (MILES PER HOUR)	10/09/86-08/16/89	2	17	
FOMA0006	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	4	104	
FOMA0008	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	7	143	
FOMA0009	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	7	143	
FOMA0010	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	150	
FOMA0011	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	7	142	
FOMA0012	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	150	

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0013	No	00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	7	126	
FOMA0014	No	00035	WIND VELOCITY (MILES PER HOUR)	05/09/95-06/30/97	2	56	
FOMA0015	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	7	143	
FOMA0018	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	4	84	
FOMA0019	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	4	98	
FOMA0021	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	150	
FOMA0022	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	4	96	
FOMA0023	No	00035	WIND VELOCITY (MILES PER HOUR)	05/09/95-06/30/97	2	57	
FOMA0024	No	00035	WIND VELOCITY (MILES PER HOUR)	03/11/93-06/30/97	4	103	
FOMA0025	No	00035	WIND VELOCITY (MILES PER HOUR)	09/09/93-06/24/97	3	91	
FOMA0026	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	150	
FOMA0027	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	4	105	
FOMA0028	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	4	104	
FOMA0029	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	143	
FOMA0030	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	150	
FOMA0031	No	00035	WIND VELOCITY (MILES PER HOUR)	05/09/95-06/30/97	2	57	
FOMA0032	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	150	
FOMA0034	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	4	105	
FOMA0035	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	4	98	
FOMA0036	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	150	
FOMA0037	No	00035	WIND VELOCITY (MILES PER HOUR)	05/09/95-06/30/97	2	57	
FOMA0039	No	00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	4	105	
FOMA0040	No	00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	7	150	
FOMA0005	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	10/09/86-08/16/89	2	17	
FOMA0006	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/30/97	4	104	
FOMA0008	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/24/97	7	143	
FOMA0009	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/24/97	7	143	
FOMA0010	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	150	
FOMA0011	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/24/97	7	142	
FOMA0012	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	150	
FOMA0013	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	02/14/90-06/24/97	7	126	
FOMA0014	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	05/09/95-06/30/97	2	56	
FOMA0015	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/24/97	7	143	
FOMA0018	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/24/97	4	84	
FOMA0019	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/24/97	4	98	
FOMA0021	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	150	
FOMA0022	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/30/97	4	96	
FOMA0023	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	05/09/95-06/30/97	2	57	
FOMA0024	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	03/11/93-06/30/97	4	103	
FOMA0025	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	09/09/93-06/24/97	3	91	
FOMA0026	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	150	
FOMA0027	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/30/97	4	105	
FOMA0028	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/30/97	4	104	
FOMA0029	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	143	
FOMA0030	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	150	
FOMA0031	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	05/09/95-06/30/97	2	57	
FOMA0032	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	150	
FOMA0034	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/30/97	4	105	
FOMA0035	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/30/97	4	98	
FOMA0036	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	150	
FOMA0037	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	05/09/95-06/30/97	2	57	
FOMA0039	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	04/08/93-06/30/97	4	105	
FOMA0040	No	00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	01/23/90-06/30/97	7	150	
FOMA0005	No	00039	SAMPLE LENGTH IN MILLIMETERS	10/09/86-08/16/89	2	17	
FOMA0005	No	00041	WEATHER (WMO CODE 4501)	12/02/86-08/16/89	2	16	
FOMA0001	No	00055	VELOCITY, STREAM FT/SEC	06/02/86-11/14/90	4	2	
FOMA0003	No	00055	VELOCITY, STREAM FT/SEC	12/04/95-12/04/95	0	1	
FOMA0004	No	00055	VELOCITY, STREAM FT/SEC	12/04/95-12/04/95	0	1	
FOMA0007	No	00055	VELOCITY, STREAM FT/SEC	06/02/86-11/02/94	8	14	
FOMA0016	No	00055	VELOCITY, STREAM FT/SEC	03/31/86-05/14/91	5	4	
FOMA0041	No	00055	VELOCITY, STREAM FT/SEC	06/08/76-09/14/98	22	60	T,S
FOMA0041	No	00064	DEPTH OF STREAM, MEAN (FT)	03/12/79-03/12/79	0	1	
FOMA0006	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/30/97	4	104	
FOMA0008	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/24/97	7	143	
FOMA0009	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/24/97	7	143	
FOMA0010	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	150	
FOMA0011	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/24/97	7	142	
FOMA0012	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	150	
FOMA0013	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	02/14/90-06/24/97	7	126	
FOMA0014	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	05/09/95-06/30/97	2	56	
FOMA0015	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/24/97	7	143	
FOMA0018	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/24/97	4	84	

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0019	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/24/97	4	98	
FOMA0021	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	150	
FOMA0022	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/30/97	4	96	
FOMA0023	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	05/09/95-06/30/97	2	57	
FOMA0024	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	03/11/93-06/30/97	4	103	
FOMA0025	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	09/09/93-06/24/97	3	91	
FOMA0026	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	150	
FOMA0027	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/30/97	4	105	
FOMA0028	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/30/97	4	104	
FOMA0029	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	143	
FOMA0030	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	150	
FOMA0031	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	05/09/95-06/30/97	2	57	
FOMA0032	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	150	
FOMA0034	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/30/97	4	105	
FOMA0035	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/30/97	4	98	
FOMA0036	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	150	
FOMA0037	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	05/09/95-06/30/97	2	57	
FOMA0039	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	04/08/93-06/30/97	4	105	
FOMA0040	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/23/90-06/30/97	7	150	
FOMA0041	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	01/28/71-07/29/74	3	10	
FOMA0001	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/28/71-07/29/74	3	13	
FOMA0007	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/28/71-07/29/74	3	13	
FOMA0016	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/28/71-07/29/74	3	13	
FOMA0041	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/28/71-10/13/75	4	35	
FOMA0001	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/18/78-05/14/91	13	9	
FOMA0007	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/18/78-11/02/94	16	21	
FOMA0016	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/18/78-05/14/91	13	9	
FOMA0017	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/18/78-01/18/78	0	1	
FOMA0041	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/14/75-09/14/98	23	121	T,S
FOMA0005	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	10/09/86-03/29/89	2	12	
FOMA0017	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	10/03/73-10/03/73	0	1	
FOMA0041	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	10/03/73-10/13/75	2	2	
FOMA0001	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/18/78-05/14/91	13	10	
FOMA0003	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/04/95-12/04/95	0	1	
FOMA0004	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/04/95-12/04/95	0	1	
FOMA0007	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/18/78-11/02/94	16	22	
FOMA0016	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/18/78-05/14/91	13	10	
FOMA0017	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/18/78-01/18/78	0	1	
FOMA0033	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/02/96-11/17/96	0	11	
FOMA0041	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/12/76-09/14/98	22	111	T,S
FOMA0001	No	00080	COLOR (PLATINUM-COBALT UNITS)	01/28/71-01/14/74	2	12	
FOMA0005	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/09/86-08/16/89	2	17	
FOMA0007	No	00080	COLOR (PLATINUM-COBALT UNITS)	01/28/71-07/29/74	3	13	
FOMA0016	No	00080	COLOR (PLATINUM-COBALT UNITS)	01/28/71-07/29/74	3	13	
FOMA0038	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/18/88-05/18/88	0	1	
FOMA0041	No	00080	COLOR (PLATINUM-COBALT UNITS)	01/28/71-10/13/75	4	31	
FOMA0001	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/18/78-05/14/91	13	9	
FOMA0007	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/18/78-11/02/94	16	21	
FOMA0016	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/18/78-05/14/91	13	9	
FOMA0017	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/18/78-01/18/78	0	1	
FOMA0041	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/14/75-09/14/98	23	119	T,S
FOMA0001	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/15/80-05/14/91	10	8	
FOMA0003	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/04/95-12/04/95	0	1	
FOMA0004	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/04/95-12/04/95	0	1	
FOMA0005	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/09/86-08/16/89	2	16	
FOMA0007	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/14/76-07/18/94	17	20	
FOMA0016	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/15/80-05/14/91	10	8	
FOMA0041	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/75-09/14/98	23	79	T,S
FOMA0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-05/14/91	18	14	
FOMA0007	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/07/73-11/02/94	21	25	
FOMA0016	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-05/14/91	18	13	
FOMA0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/03/73-01/18/78	4	2	
FOMA0038	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/77-05/18/88	11	5	
FOMA0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-09/14/98	25	136	T,S
FOMA0005	No	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	10/09/86-08/16/89	2	17	
FOMA0001	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/04/85-05/14/91	5	6	
FOMA0003	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/04/95-12/04/95	0	1	
FOMA0004	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/04/95-12/04/95	0	1	
FOMA0005	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/09/86-08/16/89	2	17	
FOMA0006	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	91	
FOMA0007	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/76-11/02/94	18	13	
FOMA0008	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	7	152	A

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0009	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	7	210	A
FOMA0010	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	148	A
FOMA0011	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	7	145	A
FOMA0012	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	214	A
FOMA0013	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	7	107	
FOMA0014	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-06/30/97	2	42	
FOMA0015	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	7	152	A
FOMA0016	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/04/85-05/14/91	5	6	
FOMA0018	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	4	75	
FOMA0019	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	4	89	
FOMA0021	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	175	A
FOMA0022	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	88	
FOMA0023	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-06/30/97	2	58	
FOMA0024	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/93-06/30/97	4	90	
FOMA0025	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/93-06/24/97	3	75	
FOMA0026	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	162	A
FOMA0027	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	125	
FOMA0028	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	107	
FOMA0029	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	140	A
FOMA0030	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	177	A
FOMA0031	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-06/30/97	2	58	
FOMA0032	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	132	A
FOMA0034	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	132	
FOMA0035	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	92	
FOMA0036	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	150	A
FOMA0037	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-06/30/97	2	58	
FOMA0039	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	113	
FOMA0040	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	159	A
FOMA0041	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/76-09/14/98	22	50	T,S
FOMA0001	No	00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	20	24	
FOMA0007	No	00300	OXYGEN, DISSOLVED MG/L	01/28/71-11/02/94	23	35	T,S
FOMA0016	No	00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	20	22	
FOMA0017	No	00300	OXYGEN, DISSOLVED MG/L	10/03/73-01/18/78	4	2	
FOMA0033	No	00300	OXYGEN, DISSOLVED MG/L	05/12/95-11/17/96	1	31	
FOMA0041	No	00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	25	145	T,S
FOMA0001	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	20	23	
FOMA0003	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/04/95-12/04/95	0	1	
FOMA0004	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/04/95-12/04/95	0	1	
FOMA0005	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/09/86-08/16/89	2	17	
FOMA0007	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-11/02/94	23	32	T,S
FOMA0016	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	20	21	
FOMA0017	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/03/73-01/18/78	4	2	
FOMA0041	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-09/14/98	27	129	T,S
FOMA0001	No	00340	COD, .25N K2CR2O7 MG/L	01/28/71-11/20/72	1	9	
FOMA0007	No	00340	COD, .25N K2CR2O7 MG/L	01/28/71-11/20/73	2	8	
FOMA0016	No	00340	COD, .25N K2CR2O7 MG/L	01/28/71-11/20/72	1	9	
FOMA0041	No	00340	COD, .25N K2CR2O7 MG/L	01/28/71-04/08/74	3	13	
FOMA0001	No	00400	PH (STANDARD UNITS)	01/28/71-05/14/91	20	20	
FOMA0003	No	00400	PH (STANDARD UNITS)	12/04/95-12/04/95	0	1	
FOMA0004	No	00400	PH (STANDARD UNITS)	12/04/95-12/04/95	0	1	
FOMA0005	No	00400	PH (STANDARD UNITS)	10/09/86-08/16/89	2	16	
FOMA0007	No	00400	PH (STANDARD UNITS)	01/28/71-11/02/94	23	31	S
FOMA0016	No	00400	PH (STANDARD UNITS)	01/28/71-05/14/91	20	20	
FOMA0017	No	00400	PH (STANDARD UNITS)	10/03/73-01/18/78	4	2	
FOMA0038	No	00400	PH (STANDARD UNITS)	03/05/81-05/18/88	7	2	
FOMA0041	No	00400	PH (STANDARD UNITS)	01/28/71-09/14/98	27	120	T,S
FOMA0001	No	00403	PH, LAB, STANDARD UNITS SU	04/27/71-05/14/91	20	10	
FOMA0006	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	4	104	
FOMA0007	No	00403	PH, LAB, STANDARD UNITS SU	04/27/71-11/02/94	23	23	
FOMA0008	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	7	143	A
FOMA0009	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	7	143	A
FOMA0010	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	150	A
FOMA0011	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	7	142	A
FOMA0012	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	150	A
FOMA0013	No	00403	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	7	126	A
FOMA0014	No	00403	PH, LAB, STANDARD UNITS SU	05/09/95-06/30/97	2	56	
FOMA0015	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	7	143	A
FOMA0016	No	00403	PH, LAB, STANDARD UNITS SU	04/27/71-05/14/91	20	11	
FOMA0017	No	00403	PH, LAB, STANDARD UNITS SU	01/18/78-01/18/78	0	1	
FOMA0018	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	4	84	
FOMA0019	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	4	97	
FOMA0021	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	150	A

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0022	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	4	96	
FOMA0023	No	00403	PH, LAB, STANDARD UNITS SU	05/09/95-06/30/97	2	57	
FOMA0024	No	00403	PH, LAB, STANDARD UNITS SU	03/11/93-06/30/97	4	103	
FOMA0025	No	00403	PH, LAB, STANDARD UNITS SU	09/09/93-06/24/97	3	91	
FOMA0026	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	150	A
FOMA0027	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	4	105	
FOMA0028	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	4	104	
FOMA0029	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	143	A
FOMA0030	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	150	A
FOMA0031	No	00403	PH, LAB, STANDARD UNITS SU	05/09/95-06/30/97	2	57	
FOMA0032	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	150	A
FOMA0034	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	4	105	
FOMA0035	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	4	98	
FOMA0036	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	150	A
FOMA0037	No	00403	PH, LAB, STANDARD UNITS SU	05/09/95-06/30/97	2	57	
FOMA0038	No	00403	PH, LAB, STANDARD UNITS SU	03/05/81-05/18/88	7	2	
FOMA0039	No	00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	4	105	
FOMA0040	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	7	150	A
FOMA0041	No	00403	PH, LAB, STANDARD UNITS SU	04/27/71-09/14/98	27	130	T,S
FOMA0038	No	00405	CARBON DIOXIDE (MG/L AS CO2)	03/05/81-03/05/81	0	1	
FOMA0033	No	00406	PH, FIELD, STANDARD UNITS SU	05/12/95-11/17/96	1	32	
FOMA0001	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-05/14/91	20	15	
FOMA0005	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/09/86-08/16/89	2	17	
FOMA0007	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-11/02/94	23	23	
FOMA0016	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-05/14/91	20	14	
FOMA0038	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/05/81-05/18/88	7	2	
FOMA0041	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-09/14/98	27	71	T,S
FOMA0033	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	01/18/96-11/17/96	0	26	
FOMA0001	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/23/71-07/29/74	3	12	
FOMA0007	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/23/71-07/29/74	3	11	
FOMA0016	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/23/71-07/29/74	3	11	
FOMA0041	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/23/71-09/19/77	6	44	
FOMA0038	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/05/81-03/05/81	0	1	
FOMA0038	No	00445	CARBONATE ION (MG/L AS CO3)	03/05/81-03/05/81	0	1	
FOMA0001	No	00480	SALINITY - PARTS PER THOUSAND	11/13/84-05/14/91	6	7	
FOMA0003	No	00480	SALINITY - PARTS PER THOUSAND	12/04/95-12/04/95	0	1	
FOMA0004	No	00480	SALINITY - PARTS PER THOUSAND	12/04/95-12/04/95	0	1	
FOMA0005	No	00480	SALINITY - PARTS PER THOUSAND	08/04/87-08/16/89	2	7	
FOMA0007	No	00480	SALINITY - PARTS PER THOUSAND	11/13/84-11/02/94	9	18	
FOMA0016	No	00480	SALINITY - PARTS PER THOUSAND	11/13/84-05/14/91	6	7	
FOMA0033	No	00480	SALINITY - PARTS PER THOUSAND	05/12/95-11/17/96	1	31	
FOMA0041	No	00480	SALINITY - PARTS PER THOUSAND	05/05/81-09/14/98	17	46	T
FOMA0001	No	00500	RESIDUE, TOTAL (MG/L)	01/28/71-07/29/74	3	10	
FOMA0007	No	00500	RESIDUE, TOTAL (MG/L)	01/28/71-11/20/73	2	8	
FOMA0016	No	00500	RESIDUE, TOTAL (MG/L)	01/28/71-11/20/72	1	8	
FOMA0041	No	00500	RESIDUE, TOTAL (MG/L)	01/28/71-04/24/78	7	38	
FOMA0001	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-05/07/73	2	10	
FOMA0007	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-11/20/73	2	8	
FOMA0016	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-11/20/72	1	9	
FOMA0041	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-04/24/78	7	38	
FOMA0001	No	00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-05/07/73	2	9	
FOMA0007	No	00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-11/20/73	2	8	
FOMA0016	No	00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-11/20/72	1	8	
FOMA0041	No	00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-04/24/78	7	38	
FOMA0001	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/28/71-05/07/73	2	9	
FOMA0007	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/28/71-11/20/73	2	8	
FOMA0016	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/28/71-11/20/72	1	8	
FOMA0041	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/28/71-05/07/73	2	13	
FOMA0001	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	20	23	
FOMA0003	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/95-12/04/95	0	1	
FOMA0004	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/95-12/04/95	0	1	
FOMA0005	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/09/86-08/16/89	2	17	
FOMA0007	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-11/02/94	23	33	T,S
FOMA0016	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	20	20	
FOMA0017	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/03/73-01/18/78	4	2	
FOMA0041	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	27	145	T,S
FOMA0001	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	20	23	
FOMA0003	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/04/95-12/04/95	0	1	
FOMA0004	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/04/95-12/04/95	0	1	
FOMA0007	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-11/02/94	23	32	T,S
FOMA0016	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	20	19	
FOMA0017	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/18/78-01/18/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0041	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	27	140	T,S
FOMA0001	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	20	23	
FOMA0003	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/04/95-12/04/95	0	1	
FOMA0004	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/04/95-12/04/95	0	1	
FOMA0007	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-11/02/94	23	32	T,S
FOMA0016	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	20	20	
FOMA0017	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/03/73-01/18/78	4	2	
FOMA0041	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	27	142	T,S
FOMA0001	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/73-10/03/73	0	1	
FOMA0007	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/18/78-01/18/78	0	1	
FOMA0017	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/73-10/03/73	0	1	
FOMA0041	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/73-03/11/75	1	11	
FOMA0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-05/14/91	17	10	
FOMA0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/09/86-08/16/89	2	17	
FOMA0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/18/78-11/02/94	16	21	
FOMA0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/18/78-05/14/91	13	9	
FOMA0017	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-01/18/78	4	2	
FOMA0041	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	24	125	T,S
FOMA0007	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/14/76-09/14/76	0	1	
FOMA0041	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/76-06/29/83	7	21	
FOMA0041	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/26/76-04/26/76	0	1	
FOMA0001	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-10/15/80	9	15	
FOMA0007	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-10/15/80	9	15	
FOMA0016	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-10/15/80	9	14	
FOMA0017	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/73-01/18/78	4	2	
FOMA0041	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	11	78	T
FOMA0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/18/78-01/27/87	9	7	
FOMA0005	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/09/86-08/16/89	2	17	
FOMA0007	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/14/76-11/02/94	18	20	
FOMA0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/18/78-01/27/87	9	7	
FOMA0017	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/18/78-01/18/78	0	1	
FOMA0041	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/74-06/03/98	23	116	T,S
FOMA0001	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/13/84-05/14/91	6	7	
FOMA0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/09/86-08/16/89	2	17	
FOMA0007	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/13/84-11/02/94	9	19	
FOMA0016	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/13/84-05/14/91	6	7	
FOMA0041	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/19/77-06/03/98	20	73	T
FOMA0001	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/28/71-10/03/73	2	9	
FOMA0007	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/28/71-08/18/71	0	8	
FOMA0016	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/28/71-08/18/71	0	8	
FOMA0017	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/03/73-10/03/73	0	1	
FOMA0041	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/28/71-10/03/73	2	9	
FOMA0001	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/28/71-08/18/71	0	8	
FOMA0007	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/28/71-08/18/71	0	8	
FOMA0016	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/28/71-08/18/71	0	8	
FOMA0041	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/28/71-08/18/71	0	8	
FOMA0001	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	20	21	
FOMA0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/09/86-08/16/89	2	17	
FOMA0007	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-11/02/94	23	31	
FOMA0016	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	20	20	
FOMA0017	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/03/73-01/18/78	4	2	
FOMA0041	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	27	143	T,S
FOMA0041	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/26/76-04/26/76	0	1	
FOMA0041	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/29/73-02/11/98	24	42	T,S
FOMA0001	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/71-01/14/74	2	12	
FOMA0007	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/71-01/14/74	2	11	
FOMA0016	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/71-01/14/74	2	11	
FOMA0038	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/77-03/05/81	3	4	
FOMA0041	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/71-01/08/75	3	17	
FOMA0038	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/05/81-03/05/81	0	1	
FOMA0005	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/04/87-08/16/89	2	5	
FOMA0038	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/05/81-05/18/88	7	2	
FOMA0041	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/16/76-02/16/76	0	1	
FOMA0041	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/29/73-08/16/76	2	7	
FOMA0041	No	00920	MAGNESIUM (MG/L AS CACO3)	10/29/73-02/16/76	2	4	
FOMA0005	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/04/87-08/16/89	2	5	
FOMA0038	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/05/81-05/18/88	7	2	
FOMA0041	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/14/75-08/16/76	1	3	
FOMA0041	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/06/74-08/16/76	2	5	
FOMA0005	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/04/87-08/16/89	2	5	
FOMA0038	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/05/81-05/18/88	7	2	
FOMA0041	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/16/76-02/16/76	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0038	No	00931	SODIUM ADSORPTION RATIO	03/05/81-03/05/81	0	1	
FOMA0038	No	00932	SODIUM, PERCENT	03/05/81-03/05/81	0	1	
FOMA0005	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/04/87-08/16/89	2	5	
FOMA0038	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/05/81-05/18/88	7	2	
FOMA0041	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/16/76-02/16/76	0	1	
FOMA0041	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/06/74-08/16/76	2	5	
FOMA0001	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	20	17	
FOMA0005	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/09/86-08/16/89	2	15	
FOMA0007	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	20	14	
FOMA0016	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	20	15	
FOMA0017	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/73-01/18/78	4	2	
FOMA0038	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/04/77-05/18/88	11	5	
FOMA0041	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	20	68	T
FOMA0001	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/74-05/14/91	16	3	
FOMA0005	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/86-08/16/89	2	17	
FOMA0007	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/14/90-05/14/91	0	2	
FOMA0016	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/14/90-05/14/91	0	2	
FOMA0038	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/05/81-05/18/88	7	2	
FOMA0041	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/29/73-05/14/91	17	23	
FOMA0001	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/29/74-07/29/74	0	1	
FOMA0007	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/29/74-07/29/74	0	1	
FOMA0016	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/29/74-07/29/74	0	1	
FOMA0038	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/05/81-05/18/88	7	2	
FOMA0041	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/11/75-10/13/75	0	2	
FOMA0001	No	00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/87-05/14/91	4	2	
FOMA0007	No	00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/87-07/20/92	5	6	
FOMA0016	No	00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/87-05/14/91	4	3	
FOMA0041	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/29/74-07/20/92	17	63	T
FOMA0038	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/05/81-05/18/88	7	2	
FOMA0033	No	00956	SILICA, TOTAL (MG/L AS SI02)	01/18/96-11/17/96	0	26	
FOMA0005	No	00958	SILICATE, UNFILTERED REACTIVE (MG/L SIO3 AS SI)	06/29/88-06/29/88	0	1	
FOMA0041	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/22/82-09/22/82	0	1	
FOMA0041	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/10/73-03/22/76	2	4	
FOMA0007	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/14/76-09/14/76	0	1	
FOMA0041	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/29/73-10/04/83	9	25	
FOMA0041	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/14/75-09/22/82	7	2	
FOMA0041	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/22/82-09/22/82	0	1	
FOMA0005	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/03/88-08/03/88	0	1	
FOMA0041	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/16/80-10/04/83	3	3	
FOMA0005	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/03/88-08/03/88	0	1	
FOMA0041	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/10/73-01/12/76	2	3	
FOMA0007	No	01042	COPPER, TOTAL (UG/L AS CU)	09/14/76-09/14/76	0	1	
FOMA0041	No	01042	COPPER, TOTAL (UG/L AS CU)	10/29/73-10/04/83	9	25	
FOMA0041	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/14/75-09/22/82	7	2	
FOMA0007	No	01045	IRON, TOTAL (UG/L AS FE)	09/14/76-09/14/76	0	1	
FOMA0041	No	01045	IRON, TOTAL (UG/L AS FE)	10/29/73-10/04/83	9	38	T
FOMA0005	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/04/87-08/16/89	2	5	
FOMA0007	No	01051	LEAD, TOTAL (UG/L AS PB)	09/14/76-09/14/76	0	1	
FOMA0041	No	01051	LEAD, TOTAL (UG/L AS PB)	10/29/73-10/04/83	9	26	
FOMA0041	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/14/75-09/22/82	7	2	
FOMA0005	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/88-08/03/88	0	1	
FOMA0005	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/03/88-08/03/88	0	1	
FOMA0038	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/18/88-05/18/88	0	1	
FOMA0005	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	02/02/88-02/02/88	0	1	
FOMA0007	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/14/76-09/14/76	0	1	
FOMA0041	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/29/73-10/04/83	9	22	
FOMA0041	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/14/75-09/22/82	7	2	
FOMA0041	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/14/75-09/22/82	7	2	
FOMA0001	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/90-05/14/91	0	2	
FOMA0007	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/90-11/02/94	3	14	
FOMA0016	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/90-05/14/91	0	2	
FOMA0041	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/03/73-09/14/98	24	69	T,S
FOMA0001	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	15	21	
FOMA0007	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	15	20	
FOMA0016	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-07/28/86	15	19	
FOMA0017	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/03/73-01/18/78	4	2	
FOMA0041	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-04/04/95	24	115	T,S
FOMA0001	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/14/90-05/14/91	0	2	
FOMA0007	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/14/90-01/21/92	1	3	
FOMA0016	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/14/90-05/14/91	0	2	
FOMA0041	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	02/06/89-01/21/92	2	8	
FOMA0001	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-07/29/74	1	6	

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0007	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/07/73-07/29/74	1	5	
FOMA0016	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-07/29/74	1	5	
FOMA0017	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/03/73-10/03/73	0	1	
FOMA0041	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-08/06/75	2	23	
FOMA0001	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-01/27/87	14	14	
FOMA0007	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/07/73-01/27/87	13	13	
FOMA0016	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-07/28/86	13	12	
FOMA0017	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/03/73-01/18/78	4	2	
FOMA0041	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	22	106	T,S
FOMA0007	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/92-11/02/94	2	11	
FOMA0041	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/92-09/14/98	6	22	
FOMA0005	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/02/86-02/01/89	2	11	
FOMA0006	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	4	104	
FOMA0008	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	7	143	A
FOMA0009	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	7	143	A
FOMA0010	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	150	A
FOMA0011	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	7	142	A
FOMA0012	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	150	A
FOMA0013	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	7	126	A
FOMA0014	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	05/09/95-06/30/97	2	56	
FOMA0015	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	7	143	A
FOMA0018	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	4	84	
FOMA0019	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	4	98	
FOMA0021	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	150	A
FOMA0022	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	4	96	
FOMA0023	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	05/09/95-06/30/97	2	57	
FOMA0024	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	03/11/93-06/30/97	4	103	
FOMA0025	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	09/09/93-06/24/97	3	91	
FOMA0026	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	150	A
FOMA0027	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	4	105	
FOMA0028	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	4	104	
FOMA0029	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	143	A
FOMA0030	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	150	A
FOMA0031	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	05/09/95-06/30/97	2	57	
FOMA0032	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	150	A
FOMA0034	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	4	105	
FOMA0035	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	4	98	
FOMA0036	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	150	A
FOMA0037	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	05/09/95-06/30/97	2	57	
FOMA0039	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	4	105	
FOMA0040	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	7	150	A
FOMA0001	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	0	2	
FOMA0007	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	0	2	
FOMA0016	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	0	2	
FOMA0041	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	03/14/90-05/14/91	1	3	
FOMA0041	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/06/89-10/10/89	0	4	
FOMA0005	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/09/86-08/16/89	2	15	
FOMA0041	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/03/73-06/16/82	8	5	
FOMA0001	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	11/04/85-01/27/87	1	4	
FOMA0005	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/09/86-08/16/89	2	15	
FOMA0007	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	11/04/85-01/27/87	1	4	
FOMA0016	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	11/04/85-01/27/87	1	5	
FOMA0041	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	01/16/80-03/14/90	10	37	T
FOMA0005	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/09/86-08/16/89	2	15	
FOMA0041	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/03/73-10/03/73	0	1	
FOMA0005	No	32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	10/09/86-08/16/89	2	15	
FOMA0041	No	32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	10/03/73-10/03/73	0	1	
FOMA0005	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/09/86-08/16/89	2	15	
FOMA0005	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	10/09/86-08/16/89	2	15	
FOMA0001	No	32230	CHLOROPHYLL A (MG/L)	10/03/73-10/03/73	0	1	
FOMA0017	No	32230	CHLOROPHYLL A (MG/L)	10/03/73-10/03/73	0	1	
FOMA0041	No	32230	CHLOROPHYLL A (MG/L)	10/03/73-10/03/73	0	1	
FOMA0001	No	32231	CHLOROPHYLL B (MG/L)	10/03/73-10/03/73	0	1	
FOMA0017	No	32231	CHLOROPHYLL B (MG/L)	10/03/73-10/03/73	0	1	
FOMA0041	No	32231	CHLOROPHYLL B (MG/L)	10/03/73-10/03/73	0	1	
FOMA0001	No	32232	CHLOROPHYLL C (MG/L)	10/03/73-10/03/73	0	1	
FOMA0017	No	32232	CHLOROPHYLL C (MG/L)	10/03/73-10/03/73	0	1	
FOMA0041	No	32232	CHLOROPHYLL C (MG/L)	10/03/73-10/03/73	0	1	
FOMA0041	No	34257	B-BHC-BETA DRY WGTBOTUG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	09/22/82-10/04/83	1	2	

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0041	No	34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	09/22/82-10/04/83	1	2	
FOMA0041	No	39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	09/22/82-10/04/83	1	2	
FOMA0041	No	39070	CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	09/22/82-10/04/83	1	2	
FOMA0041	No	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	09/22/82-10/04/83	1	2	
FOMA0041	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/22/82-10/04/83	1	2	
FOMA0041	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/22/82-10/04/83	1	2	
FOMA0041	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	09/22/82-10/04/83	1	2	
FOMA0041	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	09/22/82-10/04/83	1	2	
FOMA0041	No	39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	09/22/82-10/04/83	1	2	
FOMA0041	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39581	GUTHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	09/22/82-10/04/83	1	2	
FOMA0041	No	46530	SEDIMENT PARTICLE SIZE FRAC.-.5-2.0MM,%DRY WT	05/16/84-11/04/85	1	3	
FOMA0041	No	46531	SEDIMENT PARTICLE SIZE FRAC.-.125-.5MM,%DRY WGT	05/16/84-11/04/85	1	3	
FOMA0041	No	48201	FECAL COLIFORM MPN & MEMBRANE FILTER, 44.5C	10/03/73-06/14/78	4	37	
FOMA0005	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/86-08/16/89	2	17	
FOMA0038	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/18/88-05/18/88	0	1	
FOMA0038	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/05/81-03/05/81	0	1	
FOMA0006	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	4	111	
FOMA0008	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	7	176	A
FOMA0009	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	7	241	A
FOMA0010	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	181	A
FOMA0011	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	7	164	A
FOMA0012	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	251	A
FOMA0013	No	70305	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	7	127	A
FOMA0014	No	70305	SALINITY BASED ON CONDUCTIVITY	05/09/95-06/30/97	2	69	
FOMA0015	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	7	176	A
FOMA0018	No	70305	SALINITY BASED ON CONDUCTIVITY	06/17/93-06/24/97	4	93	
FOMA0019	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/24/97	4	112	
FOMA0021	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	204	A
FOMA0022	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	4	114	
FOMA0023	No	70305	SALINITY BASED ON CONDUCTIVITY	05/09/95-06/30/97	2	91	
FOMA0024	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	4	113	
FOMA0025	No	70305	SALINITY BASED ON CONDUCTIVITY	09/09/93-06/24/97	3	100	
FOMA0026	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	192	A
FOMA0027	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	4	163	
FOMA0028	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	4	133	
FOMA0029	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	165	A
FOMA0030	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	209	A
FOMA0031	No	70305	SALINITY BASED ON CONDUCTIVITY	05/09/95-06/30/97	2	88	
FOMA0032	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	159	A
FOMA0034	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	4	168	
FOMA0035	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	4	119	
FOMA0036	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	178	A
FOMA0037	No	70305	SALINITY BASED ON CONDUCTIVITY	05/09/95-06/30/97	2	88	
FOMA0039	No	70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	4	140	
FOMA0040	No	70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	188	A
FOMA0001	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	20	16	

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0005	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/09/86-08/16/89	2	17	
FOMA0007	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	21	17	
FOMA0016	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	20	15	
FOMA0017	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/03/73-01/18/78	4	2	
FOMA0041	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	21	81	T,A
FOMA0041	No	71488	MACROINVERTEBRATES,BENTHIC,TOTAL NO/M2	11/14/90-11/14/90	0	1	
FOMA0038	No	71820	DENSITY (GM/ML AT 20 C)	05/18/88-05/18/88	0	1	
FOMA0001	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/28/71-07/29/71	0	7	
FOMA0007	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/28/71-07/29/71	0	7	
FOMA0016	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/28/71-07/29/71	0	7	
FOMA0041	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/28/71-07/29/71	0	6	
FOMA0041	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/12/76-03/22/76	0	3	
FOMA0041	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/13/78-10/04/83	5	2	
FOMA0041	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/22/82-09/22/82	0	1	
FOMA0001	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	01/18/78-05/14/91	13	10	
FOMA0003	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	12/04/95-12/04/95	0	1	
FOMA0004	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	12/04/95-12/04/95	0	1	
FOMA0007	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	01/18/78-11/02/94	16	21	
FOMA0016	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	01/18/78-05/14/91	13	9	
FOMA0017	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	01/18/78-01/18/78	0	1	
FOMA0041	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/17/77-09/14/98	20	93	T
FOMA0002	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	05/03/77-05/03/79	2	5	
FOMA0038	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	05/04/77-09/12/83	6	13	
FOMA0002	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	05/03/77-05/03/79	2	5	
FOMA0038	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	05/04/77-09/13/94	17	31	
FOMA0041	No	80096	SEDIMENT PRCTL.SIZE CLASS ORGANIC MATTER %DRYWT	05/16/84-11/04/85	1	3	
FOMA0041	No	80250	SEDIMENT PARTICLE SIZE FRACT.<.0625MM % DRY WEIGHT	05/16/84-11/04/85	1	3	
FOMA0041	No	80251	SEDIMENT PRCTL.SIZE CLASS.06-.125MMV-FINESAND%DRWT	05/16/84-11/04/85	1	3	
FOMA0041	No	80256	SEDIMENT PRTCL.SIZE CLASS>2.0MM GRAVEL % DRY WT.	05/16/84-11/04/85	1	3	
FOMA0020	Yes	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81623	PCB - 1254 IN SHELLFISH TISSUE DRY WEIGHT UG/KG	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81627	ZINC IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81628	NICKEL IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81633	LEAD IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81634	CADMIUM IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81635	SILVER IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81636	COPPER IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	0	1	
FOMA0020	Yes	81637	SHELLFISH SPECIES NUMERIC CODE	12/04/76-12/04/76	0	1	
FOMA0006	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	4	133	
FOMA0008	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	7	198	
FOMA0009	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	7	265	
FOMA0010	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	202	
FOMA0011	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	7	187	
FOMA0012	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	279	
FOMA0013	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	7	148	
FOMA0014	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	05/09/95-06/30/97	2	80	
FOMA0015	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	7	203	
FOMA0018	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	4	111	
FOMA0019	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	4	131	
FOMA0021	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	233	
FOMA0022	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	4	131	
FOMA0023	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	05/09/95-06/30/97	2	102	
FOMA0024	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	03/11/93-06/30/97	4	134	
FOMA0025	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/09/93-06/24/97	3	113	
FOMA0026	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	219	
FOMA0027	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	4	183	
FOMA0028	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	4	153	
FOMA0029	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	191	
FOMA0030	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	237	
FOMA0031	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	05/09/95-06/30/97	2	102	
FOMA0032	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	184	
FOMA0034	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	4	190	
FOMA0035	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	4	138	
FOMA0036	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	202	
FOMA0037	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	05/09/95-06/30/97	2	102	
FOMA0039	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	4	161	
FOMA0040	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	217	
FOMA0038	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	03/05/81-03/05/81	0	1	
FOMA0005	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/09/86-08/16/89	2	17	
FOMA0006	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	4	104	
FOMA0008	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	7	143	A

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

Station/Parameter Period of Record Tabulation
From 01/28/71 To 09/14/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
FOMA0009	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	7	143	A
FOMA0010	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	150	A
FOMA0011	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	7	142	A
FOMA0012	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	150	A
FOMA0013	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	7	126	A
FOMA0014	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-06/30/97	2	56	
FOMA0015	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	7	143	A
FOMA0018	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	4	84	
FOMA0019	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	4	98	
FOMA0021	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	150	A
FOMA0022	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	4	96	
FOMA0023	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-06/30/97	2	57	
FOMA0024	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/93-06/30/97	4	103	
FOMA0025	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/09/93-06/24/97	3	91	
FOMA0026	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	150	A
FOMA0027	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	4	105	
FOMA0028	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	4	104	
FOMA0029	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	143	A
FOMA0030	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	150	A
FOMA0031	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-06/30/97	2	57	
FOMA0032	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	150	A
FOMA0034	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	4	105	
FOMA0035	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	4	98	
FOMA0036	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	150	A
FOMA0037	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-06/30/97	2	57	
FOMA0039	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	4	105	
FOMA0040	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	7	150	A
FOMA0001	No	82246	NATURAL SUBSTRATE,DIVERSITY INDEX	01/17/78-01/17/78	0	1	
FOMA0007	No	82246	NATURAL SUBSTRATE,DIVERSITY INDEX	01/17/78-01/17/78	0	1	
FOMA0016	No	82246	NATURAL SUBSTRATE,DIVERSITY INDEX	01/17/78-01/17/78	0	1	
FOMA0041	No	82246	NATURAL SUBSTRATE,DIVERSITY INDEX	06/18/74-11/14/90	16	34	T
FOMA0041	No	82247	NATURAL SUBSTRATE DIVERSITY INDEX	06/18/74-04/13/78	3	9	
FOMA0041	No	82248	NATURAL SUBSTRATE,REDUNDANCY INDEX	06/18/74-04/13/78	3	9	
FOMA0041	No	82249	NATURAL SUBSTRATE, REDUNDANCY INDEX	06/18/74-04/13/78	3	9	
FOMA0001	No	82250	NATURAL SUBSTRATE - NUMBER OF SPECIES	01/17/78-01/17/78	0	1	
FOMA0007	No	82250	NATURAL SUBSTRATE - NUMBER OF SPECIES	01/17/78-01/17/78	0	1	
FOMA0016	No	82250	NATURAL SUBSTRATE - NUMBER OF SPECIES	01/17/78-01/17/78	0	1	
FOMA0041	No	82250	NATURAL SUBSTRATE - NUMBER OF SPECIES	06/18/74-11/14/90	16	33	
FOMA0041	No	82251	ARTIFICIAL SUBSTRATE,DIVERSITY INDEX	12/03/74-06/11/75	0	2	
FOMA0041	No	82252	ARTIFICIAL SUBSTRATE DIVERSITY INDEX	12/03/74-06/11/75	0	2	
FOMA0041	No	82253	ARTIFICIAL SUBSTRATE,REDUNDANCY INDEX	12/03/74-06/11/75	0	2	
FOMA0041	No	82254	ARTIFICIAL SUBSTRATE REDUNDANCY INDEX	12/03/74-06/11/75	0	2	
FOMA0041	No	82255	ARTIFICIAL SUBTRATE #OF SPECIES INDEX	12/03/74-06/11/75	0	2	
FOMA0041	No	82257	BIOTIC INDEX (SPECIES) INDEX	01/06/86-11/14/90	4	2	
FOMA0005	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10/09/86-10/09/86	0	1	
FOMA0041	No	83500	SAMPLE, AREA SQUARE CENTIMETERS	06/18/74-11/14/90	16	91	
FOMA0002	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	05/03/77-10/02/78	1	4	
FOMA0038	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	05/04/77-09/13/94	17	32	
FOMA0002	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	05/03/77-10/02/78	1	4	
FOMA0038	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	05/04/77-09/13/94	17	32	
FOMA0020	Yes	84007	ANATOMY ALPHA CODE	12/04/76-12/04/76	0	1	
FOMA0020	Yes	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	12/04/76-12/04/76	0	1	
FOMA0020	Yes	84009	SHELLFISH SPECIES ALPHANUMERIC CODE	12/04/76-12/04/76	0	1	

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

Station-By-Station Results

Station Inventory for Station: FOMA0001

NPS Station ID: FOMA0001 LAT/LON: 29.653338/ -81.218060 Agency: 21FLA Date Created: / /
Location: ICWW MARKER 94 AT PELLICER CR CO FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY/BIO STORET Station ID(s): 27010100
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03080201 Depth of Water: 0 Aquifer:
Major Basin: SOUTH-EAST Elevation: 0 Water Body Id:
Minor Basin: FLORIDA EAST COAST ECO Region:
RF1 Index: 03080201011 RF1 Mile Point: 4.640 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 03080201046700.00 RF3 Mile Point: 3.25 Distance from RF3: 0.04 On/Off RF3:
Description:
SEGMENT 27.1AA BODY OF WATER: INTRACOASTAL WATERWAY INTRACOASTAL WATERWAY #4
INTRACOASTAL WATERWAY AT MARKER #94 AT PELLICER CREEK CONFLUENCE

Parameter Inventory for Station: FOMA0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	23	22.5	22.087	30.	12.4	28.402	5.329	13.	18.	27.5	29.2
00055	VELOCITY, STREAM FT/SEC	06/02/86-11/14/90	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/28/71-07/29/74	13	10.	8.962	15.	3.	17.103	4.136	3.08	4.45	12.75	14.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/18/78-05/14/91	9	7.1	6.256	11.	1.6	11.098	3.331	1.6	2.8	9.	11.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/18/78-05/14/91	10	1.	1.063	1.7	0.6	0.116	0.341	0.61	0.752	1.325	1.67
00080	COLOR (PLATINUM-COBALT UNITS)	01/28/71-01/14/74	12	27.5	27.917	60.	10.	252.083	15.877	10.	12.5	37.5	57.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/18/78-05/14/91	9	20.	51.667	240.	10.	5537.5	74.414	10.	10.	65.	240.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/15/80-05/14/91	8	42050.	39675.	49100.	25000.	74942142.857	8656.913	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-05/14/91	14	45850.	44742.5	55000.	27800.	39478131.962	6283.163	33150.	42760.25	48700.	52200.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/04/85-05/14/91	6	6.85	6.8	9.3	5.2	2.06	1.435	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	24	6.65	6.883	9.3	4.2	1.501	1.225	5.6	5.95	7.8	8.9
00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	23	1.2	1.326	3.8	0.2	0.677	0.823	0.34	0.7	1.9	2.4
00340	COD, .25N K2CR2O7 MG/L	01/28/71-11/20/72	9	520.	474.	792.	120.	68960.75	262.604	120.	163.	711.	792.
00400	PH (STANDARD UNITS)	01/28/71-05/14/91	20	7.96	7.907	8.96	6.8	0.197	0.444	7.3	7.725	8.185	8.237
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-05/14/91	20	7.959	7.655	8.96	6.8	0.264	0.514	7.3	7.725	8.185	8.237
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-05/14/91	20	0.011	0.022	0.158	0.001	0.001	0.035	0.006	0.007	0.019	0.05
00403	PH, LAB, STANDARD UNITS SU	04/27/71-05/14/91	10	8.	7.97	8.1	7.8	0.009	0.095	7.81	7.9	8.025	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/27/71-05/14/91	10	8.	7.961	8.1	7.8	0.009	0.095	7.81	7.9	8.025	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/71-05/14/91	10	0.01	0.011	0.016	0.008	0.	0.002	0.008	0.009	0.013	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-05/14/91	15	124.	113.133	143.	18.	1426.124	37.764	25.2	116.	136.	141.8
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/23/71-07/29/74	12	4.5	5.583	14.	0.	35.356	5.946	0.	0.	12.25	13.7
00480	SALINITY - PARTS PER THOUSAND	11/13/84-05/14/91	7	33.	31.714	38.	19.	38.905	6.237	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/28/71-07/29/74	10	39855.	35344.	42570.	0.	161524071.111	12709.212	3468.	35055.	41222.5	42478.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-05/07/73	10	6034.	5984.8	8628.	11.	6201046.4	2490.19	479.6	5338.25	8302.75	8601.7
00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-05/07/73	9	33280.	32506.667	34750.	29280.	4493200.	2119.717	29280.	30295.	34430.	34750.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/28/71-05/07/73	9	40730.	39170.	42460.	34640.	8191400.	2862.062	34640.	36275.	41275.	42460.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	23	40.	60.696	139.	15.	1935.312	43.992	16.	21.	102.	131.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	23	11.	15.957	52.	0.	257.771	16.055	3.	3.	22.	44.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	23	29.	44.739	124.	12.	1051.202	32.422	13.4	18.	68.	101.2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/73-10/03/73	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-05/14/91	10 ##	0.03	0.118	0.94	0.01	0.083	0.289	0.011	0.024	0.032	0.85
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-10/15/80	15	0.04	0.092	0.33	0.	0.012	0.107	0.002	0.02	0.13	0.3
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/18/78-01/27/87	7	0.55	0.568	1.15	0.05	0.144	0.379	**	**	**	**

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

Parameter Inventory for Station: FOMA0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/13/84-05/14/91	7 ##	0.025	0.024	0.025	0.02	0.	0.002	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/28/71-10/03/73	9	0.16	0.423	1.4	0.09	0.181	0.425	0.09	0.145	0.62	1.4
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/28/71-08/18/71	8	0.055	0.13	0.62	0.	0.042	0.205	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	21	0.103	0.179	0.8	0.02	0.037	0.193	0.04	0.05	0.22	0.492
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/71-01/14/74	12	6100.	4958.667	8300.	4.	5513137.697	2348.007	887.8	3300.	6525.	7910.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	17	19700.	19709.706	22500.	16000.	2456748.471	1567.402	17520.	18860.5	20850.	21700.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/74-05/14/91	3	8.	770.667	2302.	2.	1758745.333	1326.177	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/29/74-07/29/74	1	1.21	1.21	1.21	1.21	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/87-05/14/91	2	0.87	0.87	0.89	0.85	0.001	0.028	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/90-05/14/91	2 ##	4.75	4.75	8.	1.5	21.125	4.596	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/14/90-05/14/91	2 ##	0.54	0.54	0.903	0.176	0.264	0.514	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.464								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	21	9.	156.333	2400.	1.	275736.633	525.106	1.	2.	39.5	418.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-01/27/87	21	0.954	1.064	3.38	0.	0.85	0.922	0.	0.301	1.591	2.575
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			11.599								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/14/90-05/14/91	2 ##	1.75	1.75	2.	1.5	0.125	0.354	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/14/90-05/14/91	2 ##	0.239	0.239	0.301	0.176	0.008	0.088	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.732								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-07/29/74	6	14.	28.167	110.	2.	1651.767	40.642	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-07/29/74	6	1.136	1.14	2.041	0.301	0.325	0.57	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			13.802								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-01/27/87	14	6.5	21.	110.	1.	1253.846	35.41	1.	1.	20.25	102.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-01/27/87	14	0.801	0.773	2.041	0.	0.55	0.742	0.	0.	1.306	2.01
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.925								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	2 ##	2.	2.	3.	1.	2.	1.414	**	**	**	**
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	2 ##	0.239	0.239	0.477	0.	0.114	0.337	**	**	**	**
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			1.732								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	11/04/85-01/27/87	4	3.76	5.558	13.56	1.15	31.64	5.625	**	**	**	**
32230	CHLOROPHYLL A (MG/L)	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
32231	CHLOROPHYLL B (MG/L)	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
32232	CHLOROPHYLL C (MG/L)	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	16	0.03	0.036	0.2	0.	0.002	0.047	0.	0.013	0.04	0.095
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/28/71-07/29/71	7	0.04	0.046	0.1	0.01	0.001	0.033	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	01/18/78-05/14/91	10	9.	9.	14.	3.	15.556	3.944	3.2	5.	13.	13.9
82246	NATURAL SUBSTRATE,DIVERSITY INDEX	01/17/78-01/17/78	1	3.54	3.54	3.54	3.54	0.	0.	**	**	**	**
82250	NATURAL SUBSTRATE - NUMBER OF SPECIES	01/17/78-01/17/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FOMA0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	1	0	0.00	8	0	0.00	4	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00	4	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	24	0	0.00	6	0	0.00	13	0	0.00	5	0	0.00			
00400	PH	Marine Chronic	8.5	20	1	0.05	5	0	0.00	11	1	0.09	4	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	5	0	0.00	11	0	0.00	4	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	10	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	0	0.00	1	0	0.00	1	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	21	1	0.05	5	0	0.00	11	0	0.00	5	1	0.20			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00	1	0	0.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	14	0	0.00	5	0	0.00	7	0	0.00	2	0	0.00			

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

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	6	22.5	22.333	27.5	17.5	10.567	3.251	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	6	6.8	6.783	8.	5.6	1.054	1.026	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	6	1.45	1.4	2.4	0.4	0.524	0.724	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/71-05/14/91	5	7.3	7.492	8.14	6.8	0.289	0.538	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-05/14/91	5	7.3	7.255	8.14	6.8	0.359	0.599	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-05/14/91	5	0.05	0.056	0.158	0.007	0.004	0.061	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-05/14/91	2	68.	68.	118.	18.	5000.	70.711	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	6	19.	26.	47.	15.	194.8	13.957	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	6	3.	4.667	11.	0.	16.267	4.033	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	6	17.5	21.333	39.	12.	112.267	10.596	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	5	0.168	0.218	0.5	0.09	0.028	0.167	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	3	21500.	20000.	22500.	16000.	12250000.	3500.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	5	23.	115.4	490.	14.	43904.3	209.534	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-01/27/87	5	1.362	1.589	2.69	1.146	0.398	0.631	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			38.851								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	2	0.037	0.037	0.04	0.033	0.	0.005	**	**	**	**

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	13	20.	19.846	28.	12.4	25.934	5.093	12.64	15.25	22.8	27.8
00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	13	7.3	7.392	9.3	5.9	1.282	1.132	5.98	6.3	8.25	9.22
00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	12	1.05	1.383	3.8	0.3	0.963	0.981	0.39	0.7	1.9	3.38
00400	PH (STANDARD UNITS)	01/28/71-05/14/91	11	7.93	8.016	8.96	7.55	0.138	0.371	7.58	7.8	8.21	8.816
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-05/14/91	11	7.93	7.914	8.96	7.55	0.149	0.386	7.58	7.8	8.21	8.816
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-05/14/91	11	0.012	0.012	0.028	0.001	0.	0.007	0.002	0.006	0.016	0.027
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-05/14/91	9	129.	118.556	143.	30.	1188.528	34.475	30.	118.	138.	143.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	12	62.5	65.833	136.	17.	1839.606	42.891	17.6	24.	99.25	131.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	12	16.5	21.167	52.	3.	315.606	17.765	3.	3.75	39.5	49.9
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	12	42.	44.667	91.	14.	735.879	27.127	14.6	18.	68.75	84.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	12	0.072	0.157	0.8	0.02	0.046	0.214	0.026	0.04	0.195	0.626
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	11	19900.	19869.545	21500.	17980.	1034337.473	1017.024	18148.2	19200.	20600.	21420.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	11	7.	20.182	130.	1.	1488.564	38.582	1.	2.	11.	113.2
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-01/27/87	11	0.845	0.802	2.114	0.	0.435	0.66	0.	0.301	1.041	2.024
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6.338								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	10	0.028	0.026	0.05	0.	0.	0.014	0.001	0.018	0.033	0.049

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	4	29.	29.	30.	28.	1.333	1.155	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	5	5.9	5.68	6.5	4.2	0.797	0.893	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	5	1.2	1.1	1.8	0.2	0.34	0.583	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/71-05/14/91	4	8.15	8.125	8.2	8.	0.009	0.096	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-05/14/91	4	8.147	8.117	8.2	8.	0.009	0.096	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-05/14/91	4	0.007	0.008	0.01	0.006	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-05/14/91	4	124.5	123.5	141.	104.	229.667	15.155	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	5	111.	90.	139.	30.	2383.5	48.821	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	5	15.	17.	44.	5.	255.5	15.984	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	5	67.	73.	124.	25.	1797.5	42.397	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	4	0.135	0.195	0.46	0.05	0.038	0.194	**	**	**	**

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	3	18900.	18833.333	19700.	17900.	813333.333	901.85	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	5	2.	496.8	2400.	1.	1133088.7	1064.466	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-01/27/87	5	0.301	1.117	3.38	0.	2.225	1.492	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			13.088								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	4	0.025	0.063	0.2	0.	0.009	0.095	**	**	**	**

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

Station Inventory for Station: FOMA0002

NPS Station ID: FOMA0002
LAT/LON: 29.657781/ -81.238060
Agency: 112WRD
Date Created: 04/14/78
Location: 93911401 10S30E39
FIPS State/County: 12035 FLORIDA/FLAGLER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 293928081141701
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201004
RF1 Mile Point: 4.700
Distance from RF1: 15.40
On/Off RF1: ON
RF3 Index: 03080201051000.00
RF3 Mile Point: 2.10
Distance from RF3: 0.11
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	05/03/77-05/03/79	5	-5.3	-1.74	13.2	-6.3	69.993	8.366	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	05/03/77-05/03/79	5	11.3	11.62	12.3	11.	0.347	0.589	**	**	**	**

** - Less than 9 observations ## - 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: FOMA0003

NPS Station ID: FOMA0003 | LAT/LON: 29.658948/ -81.217393 | Agency: 21FLA | Date Created: 12/05/95
Location: ICW S OF MARINELAND | FIPS State/County: 12035 FLORIDA/FLAGLER
Station Type: /TYPA/AMBNT/ESTURY/BIO | STORET Station ID(s): 27010143
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 03080201 | Depth of Water: 0 | Aquifer:
Major Basin: SOUTHEAST | Elevation: 0 | Water Body Id:
Minor Basin: FLORIDA EAST COAST | ECO Region:
RF1 Index: 03080201 | RF1 Mile Point: 0.000 | Distance from RF1: 2.60 | On/Off RF1:
RF3 Index: 03080201001208.92 | RF3 Mile Point: 9.60 | Distance from RF3: 0.02 | On/Off RF3:
Description:
ICW 100 FT SOUTH OF THE MARINELAND R/O DRINKING WATER PLANT EFF

Parameter Inventory for Station: FOMA0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/95-12/04/95	1	19.1	19.1	19.1	19.1	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	12/04/95-12/04/95	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/04/95-12/04/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/04/95-12/04/95	1	49300.	49300.	49300.	49300.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/04/95-12/04/95	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/04/95-12/04/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/95-12/04/95	1	7.77	7.77	7.77	7.77	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/04/95-12/04/95	1	7.77	7.77	7.77	7.77	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/95-12/04/95	1	0.017	0.017	0.017	0.017	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	12/04/95-12/04/95	1	32.3	32.3	32.3	32.3	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/95-12/04/95	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/04/95-12/04/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/04/95-12/04/95	1	14.	14.	14.	14.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	12/04/95-12/04/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FOMA0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Marine Chronic	8.5	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: FOMA0004

NPS Station ID: FOMA0004 | LAT/LON: 29.661281/ -81.217476 | Agency: 21FLA | Date Created: 12/05/95
Location: ICW N OF MARINELAND | FIPS State/County: 12035 FLORIDA/FLAGLER
Station Type: /TYPA/AMBNT/ESTURY/BIO | STORET Station ID(s): 27010142
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 03080201 | Depth of Water: 0 | Aquifer:
Major Basin: SOUTHEAST | Elevation: 0 | Water Body Id:
Minor Basin: FLORIDA EAST COAST | ECO Region:
RF1 Index: 03080201 | RF1 Mile Point: 0.000 | Distance from RF1: 2.60 | On/Off RF1:
RF3 Index: 03080201001208.92 | RF3 Mile Point: 9.60 | Distance from RF3: 0.02 | On/Off RF3:
Description:
ICW 100 FT NORTH OF THE MARINELAND R/O DRINKING WATER PLANT EFF

Parameter Inventory for Station: FOMA0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/95-12/04/95	1	19.3	19.3	19.3	19.3	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	12/04/95-12/04/95	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/04/95-12/04/95	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/04/95-12/04/95	1	49300.	49300.	49300.	49300.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/04/95-12/04/95	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/04/95-12/04/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/95-12/04/95	1	8.03	8.03	8.03	8.03	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/04/95-12/04/95	1	8.03	8.03	8.03	8.03	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/95-12/04/95	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	12/04/95-12/04/95	1	32.3	32.3	32.3	32.3	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/95-12/04/95	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/04/95-12/04/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/04/95-12/04/95	1	15.	15.	15.	15.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	12/04/95-12/04/95	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FOMA0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Marine Chronic	8.5	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: FOMA0005

NPS Station ID: FOMA0005
LAT/LON: 29.664726/ -81.218060
Agency: 21FLSJWM
Date Created: 08/01/92
Location: MATANZAS RIVER AT CM #89
FIPS State/County: 12035 FLORIDA/FLAGLER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): MRT /SSJ72070
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201075400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/86-08/16/89	17	25.5	23.994	31.	15.5	25.793	5.079	17.1	18.8	28.5	30.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/09/86-08/16/89	17	27.	26.706	35.	20.	25.471	5.047	20.	21.	32.	33.4
00032	CLOUD COVER (PERCENT)	10/09/86-08/16/89	17	50.	45.	100.	0.	643.75	25.372	8.	25.	55.	84.
00035	WIND VELOCITY (MILES PER HOUR)	10/09/86-08/16/89	17	10.	10.706	20.	5.	27.096	5.205	5.	6.	13.5	20.
00039	SAMPLE LENGTH IN MILLIMETERS	10/09/86-08/16/89	17	20.	37.176	80.	20.	627.029	25.041	20.	20.	59.	80.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	10/09/86-03/29/89	12	32.5	31.167	48.	14.	89.788	9.476	15.8	22.75	37.5	45.6
00080	COLOR (PLATINUM-COBALT UNITS)	10/09/86-08/16/89	17	20.	58.529	450.	0.	11771.14	108.495	8.	15.	45.	230.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/09/86-08/16/89	16	48250.	45555.	53400.	16180.	90202266.667	9497.487	26414.	43800.	51000.	52280.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/09/86-08/16/89	17	7.	6.853	9.4	4.1	1.681	1.297	5.14	5.8	7.6	8.76
00310	BOD, 5 DAY, 20 DEG C MG/L	10/09/86-08/16/89	17	1.1	1.359	3.2	0.4	0.649	0.805	0.48	0.9	1.75	3.12
00400	PH (STANDARD UNITS)	10/09/86-08/16/89	16	7.7	7.706	8.5	7.1	0.111	0.334	7.24	7.525	7.9	8.15
00400	CONVERTED PH (STANDARD UNITS)	10/09/86-08/16/89	16	7.7	7.595	8.5	7.1	0.125	0.353	7.24	7.525	7.9	8.15
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/86-08/16/89	16	0.02	0.025	0.079	0.003	0.	0.02	0.008	0.013	0.03	0.059
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/09/86-08/16/89	17	115.	113.647	125.	77.	139.618	11.816	89.8	113.	120.	125.
00480	SALINITY - PARTS PER THOUSAND	08/04/87-08/16/89	7	31.5	31.071	37.	19.	33.832	5.817	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/09/86-08/16/89	17	46.	46.471	106.	26.	348.015	18.655	29.2	33.5	50.5	71.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/09/86-08/16/89	17	0.028	0.034	0.087	0.009	0.001	0.023	0.009	0.019	0.042	0.076
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/09/86-08/16/89	17	0.44	0.433	1.07	0.012	0.067	0.259	0.041	0.29	0.55	0.814
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/09/86-08/16/89	17 ##	0.003	0.015	0.08	0.003	0.	0.021	0.003	0.003	0.02	0.056
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/09/86-08/16/89	17	0.083	0.088	0.174	0.008	0.002	0.043	0.022	0.061	0.12	0.144
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/04/87-08/16/89	5	343.	343.4	409.	240.	4184.3	64.686	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/04/87-08/16/89	5	1105.	1051.6	1460.	501.	131044.3	362.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/04/87-08/16/89	5	9648.	9236.4	11340.	5712.	5173836.8	2274.607	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/04/87-08/16/89	5	343.4	368.88	475.	245.	8176.072	90.422	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/09/86-08/16/89	15	19300.	20554.933	46320.	13040.	54832624.352	7404.905	15091.4	17935.	20100.	31650.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/86-08/16/89	17	2480.	2225.765	3025.	55.	660188.941	812.52	531.	2078.5	2743.5	2938.6
00958	SILICATE, UNFILTERED REACTIVE (MG/L SIO3 AS SI)	06/29/88-06/29/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/03/88-08/03/88	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/03/88-08/03/88	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/04/87-08/16/89	5	302.	272.1	518.	17.5	32979.8	181.603	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/88-08/03/88	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/03/88-08/03/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	02/02/88-02/02/88	1	116.	116.	116.	116.	0.	0.	**	**	**	**
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/02/86-02/01/89	11	8.	36.545	281.	2.	6677.473	81.716	2.	2.	23.	231.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	12/02/86-02/01/89	11	0.903	1.033	2.449	0.301	0.414	0.643	0.301	0.301	1.362	2.263
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.78								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/09/86-08/16/89	15	5.01	5.375	10.75	2.2	5.29	2.3	2.806	3.61	6.52	9.742
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/09/86-08/16/89	15	4.01	4.539	9.62	1.34	5.691	2.386	1.658	2.94	6.15	8.978

** - 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 time series plot

Parameter Inventory for Station: FOMA0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/09/86-08/16/89	15	0.69	0.621	1.06	0.2	0.067	0.259	0.23	0.38	0.77	0.982
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	10/09/86-08/16/89	15	1.81	1.962	3.26	0.76	0.566	0.752	0.91	1.43	2.76	3.116
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/09/86-08/16/89	15	0.91	1.455	5.96	0.	2.012	1.418	0.21	0.59	1.79	3.83
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	10/09/86-08/16/89	15	1.54	1.537	1.79	1.13	0.02	0.141	1.328	1.5	1.63	1.7
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/86-08/16/89	17	33290.	30979.353	35940.	9101.	47606033.618	6899.713	17156.2	30653.	34909.	35807.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/09/86-08/16/89	17	0.03	0.031	0.055	0.008	0.	0.013	0.014	0.02	0.039	0.051
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/09/86-08/16/89	17	11.	11.188	16.	6.	10.089	3.176	6.16	9.15	13.5	16.
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	10/09/86-10/09/86	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: FOMA0005

				Total	Exceed	Prop.	----------9/15-11/14----------			----------11/15-6/14----------			----------6/15-9/14----------			----------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.	17	0	0.00	3	0	0.00	10	0	0.00	4	0	0.00			
00400	PH	Fresh Chronic	9.	16	0	0.00	2	0	0.00	10	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00	2	0	0.00	10	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	3	0	0.00	10	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	15	15	1.00	3	3	1.00	8	8	1.00	4	4	1.00			
		Drinking Water	250.	15	15	1.00	3	3	1.00	8	8	1.00	4	4	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	17	16	0.94	3	3	1.00	10	10	1.00	4	3	0.75			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	17	0	0.00	3	0	0.00	10	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: FOMA0006

NPS Station ID: FOMA0006
LAT/LON: 29.667004/ -81.220503
Agency: 21FLA
Date Created: 08/16/97
Location: Culvert on west shore of Summer Is
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88176SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	118	22.5	20.864	30.	5.9	39.79	6.308	11.09	15.775	25.925	28.8
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	104	9.	10.048	30.	0.	39.658	6.297	4.	6.	14.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	91	7.9	8.088	15.6	2.	5.687	2.385	5.6	6.7	9.1	11.16
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	104	8.1	8.1	8.5	7.4	0.038	0.195	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	104	8.1	8.049	8.5	7.4	0.041	0.202	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	104	0.008	0.009	0.04	0.003	0.	0.005	0.005	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	104	5.	20.933	540.	1.	3577.442	59.812	1.	2.	13.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	104	0.699	0.761	2.732	0.	0.407	0.638	0.	0.301	1.114	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.765								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	111	33.7	32.778	46.9	14.	20.989	4.581	27.64	31.	35.4	36.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	133	2.	3.85	19.	0.	14.704	3.835	1.	2.	4.	10.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	104	3.9	4.928	17.	0.	16.26	4.032	1.2	1.85	6.375	12.5

** - 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: FOMA0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	91	3	0.03	20	0	0.00	47	3	0.06	24	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	104	2	0.02	18	0	0.00	57	1	0.02	29	1	0.03			
		Other-Lo Lim.	6.5	104	0	0.00	18	0	0.00	57	0	0.00	29	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	104	0	0.00	18	0	0.00	57	0	0.00	29	0	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 1993 - Station FOMA0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	21	24.7	23.148	29.7	11.	26.779	5.175	16.66	19.3	27.3	29.38
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	10.	10.214	16.	4.	17.412	4.173	4.	6.75	14.25	15.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	20	8.5	8.79	11.9	6.4	2.91	1.706	6.62	7.6	9.425	11.79
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	8.2	8.2	8.5	8.	0.022	0.147	8.	8.075	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	8.2	8.177	8.5	8.	0.022	0.149	8.	8.075	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.006	0.007	0.01	0.003	0.	0.002	0.004	0.005	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	2.	8.429	49.	1.	210.418	14.506	1.	1.	7.	41.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.301	0.495	1.69	0.	0.332	0.576	0.	0.	0.803	1.604
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.123								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	18	35.6	35.539	37.7	32.1	2.966	1.722	32.28	34.775	37.	37.61
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	21	4.	6.333	19.	1.	27.333	5.228	1.	2.	8.	17.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	6.65	7.014	15.	1.5	12.814	3.58	2.75	4.55	8.55	14.

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

Annual Analysis for 1994 - Station FOMA0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	34	21.45	19.953	29.7	10.2	39.673	6.299	10.65	13.6	25.05	28.35
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	29	10.	10.345	20.	0.	24.02	4.901	5.	6.5	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	29	8.5	8.969	15.6	3.6	9.632	3.104	4.8	7.15	10.55	14.8
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	29	8.2	8.179	8.5	7.5	0.035	0.188	8.	8.1	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	29	8.2	8.128	8.5	7.5	0.038	0.195	8.	8.1	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	29	0.006	0.007	0.032	0.003	0.	0.005	0.004	0.005	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	29	5.	19.31	130.	1.	913.365	30.222	1.	2.	23.	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	29	0.699	0.861	2.114	0.	0.385	0.621	0.	0.301	1.362	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.269								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	32	32.95	31.125	40.	14.	39.373	6.275	17.83	29.1	34.575	36.92
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	36	2.	2.417	5.	0.	2.021	1.422	1.	1.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	29	4.3	5.186	15.	0.6	15.366	3.92	1.2	2.45	6.	13.

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

Annual Analysis for 1995 - Station FOMA0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	13	22.	18.808	27.	8.7	39.991	6.324	9.86	11.65	23.4	26.48
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	20	9.	10.05	25.	0.	51.524	7.178	0.4	5.25	13.75	24.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	6.65	6.575	11.	2.	13.989	3.74	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	20	8.2	8.185	8.3	8.1	0.007	0.081	8.1	8.1	8.275	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	20	8.2	8.178	8.3	8.1	0.007	0.082	8.1	8.1	8.275	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	20	0.006	0.007	0.008	0.005	0.	0.001	0.005	0.005	0.008	0.008
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	20	3.	7.55	33.	1.	78.787	8.876	1.	1.	13.	22.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	20	0.452	0.582	1.519	0.	0.282	0.531	0.	0.	1.114	1.349
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.819								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	13	34.5	33.954	36.4	30.1	5.526	2.351	30.1	31.7	35.9	36.24
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	22	2.	2.864	10.	0.	8.409	2.9	0.	1.	4.	8.8
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	20	3.6	5.6	17.	0.8	30.544	5.527	1.4	1.65	5.5	16.

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

Annual Analysis for 1996 - Station FOMA0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	31	23.1	21.084	30.	5.9	57.461	7.58	10.08	13.4	27.7	28.8
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	28	7.5	10.286	30.	0.	66.508	8.155	0.	5.	13.5	25.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	20	6.45	6.49	8.2	5.3	0.67	0.819	5.51	5.8	6.875	8.13
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	28	8.05	8.	8.3	7.7	0.026	0.161	7.79	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	28	8.047	7.971	8.3	7.7	0.027	0.164	7.79	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	28	0.009	0.011	0.02	0.005	0.	0.004	0.006	0.008	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	28	5.	34.607	540.	1.	10551.21	102.719	1.	2.	19.75	82.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	28	0.699	0.819	2.732	0.	0.503	0.709	0.	0.301	1.285	1.912
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.595								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	29	33.8	33.534	46.9	27.3	13.204	3.634	30.1	30.7	35.3	36.2
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	35	2.	2.943	16.	0.	11.82	3.438	0.6	2.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	28	3.6	4.307	14.3	0.7	11.093	3.331	0.98	1.45	6.475	9.82

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	19	22.3	21.016	29.8	14.3	22.906	4.786	14.3	15.7	24.6	27.9
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	13	7.	8.692	20.	0.	31.897	5.648	1.6	5.	13.5	18.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	18	8.	8.	10.7	4.8	2.316	1.522	6.15	7.075	8.825	10.7
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	13	8.	7.9	8.1	7.4	0.047	0.216	7.48	7.75	8.05	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	13	8.	7.842	8.1	7.4	0.05	0.224	7.48	7.75	8.05	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	13	0.01	0.014	0.04	0.008	0.	0.009	0.008	0.009	0.018	0.034
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	13	8.	29.154	220.	1.	3485.474	59.038	1.	3.5	28.	151.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	13	0.903	0.972	2.342	0.	0.441	0.664	0.	0.5	1.44	2.082
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.381								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	19	32.7	30.989	34.6	21.9	15.657	3.957	22.1	28.2	33.8	34.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	19	9.	6.632	12.	2.	19.135	4.374	2.	2.	11.	12.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	13	1.8	2.408	5.3	0.	2.732	1.653	0.36	1.1	3.95	5.1

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

Station Inventory for Station: FOMA0007

NPS Station ID: FOMA0007 LAT/LON: 29.668615/ -81.217227 Agency: 21FLA Date Created: / /
Location: ICWW MARKER 87 AT MARINELAND FIPS State/County: 12035 FLORIDA/FLAGLER
Station Type: /TYPA/AMBNT/ESTURY/BIO STORET Station ID(s): 27010099
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03080201 Depth of Water: 0 Aquifer:
Major Basin: SOUTH-EAST Elevation: 0 Water Body Id:
Minor Basin: FLORIDA EAST COAST ECO Region:
RF1 Index: 03080201011 RF1 Mile Point: 3.750 Distance from RF1: 0.50 On/Off RF1: ON
RF3 Index: 03080201221800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.05 On/Off RF3:
Description:
SEGMENT 27.1BA BODY OF WATER: INTRACOASTAL WATERWAY INTRACOASTAL WATERWAY #3
INTRACOASTAL WATERWAY AT MARKER #87 AT MARINELAND.

Parameter Inventory for Station: FOMA0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-11/02/94	34	22.35	21.579	30.	9.4	28.87	5.373	13.	17.5	27.	28.
00055	VELOCITY, STREAM FT/SEC	06/02/86-11/02/94	14	0.9	0.729	2.	0.1	0.274	0.524	0.15	0.25	1.	1.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/28/71-07/29/74	13	7.7	8.238	17.	2.5	20.119	4.485	2.58	3.95	12.25	15.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/18/78-11/02/94	21	5.	4.957	10.	1.1	5.653	2.378	2.2	2.95	6.45	8.84
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/18/78-11/02/94	22	1.1	1.109	2.3	0.65	0.102	0.319	0.745	1.	1.2	1.37
00080	COLOR (PLATINUM-COBALT UNITS)	01/28/71-07/29/74	13	30.	33.077	100.	10.	593.91	24.37	10.	15.	45.	80.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/18/78-11/02/94	21	20.	40.476	240.	5.	2837.262	53.266	5.	15.	45.	112.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/14/76-07/18/94	20	43000.	42039.7	50000.	20394.	63494090.221	7968.318	26060.	38625.	48550.	50000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/07/73-11/02/94	25	45500.	43348.56	56000.	3700.	96164428.923	9806.346	32063.	43297.	47650.	49580.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/76-11/02/94	13	6.9	6.923	9.2	4.9	1.597	1.264	5.1	6.05	7.55	9.12
00300p	OXYGEN, DISSOLVED MG/L	01/28/71-11/02/94	35	7.3	7.111	9.8	4.8	1.599	1.264	5.28	6.	8.	9.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-11/02/94	32	1.15	1.461	5.2	0.05	0.922	0.96	0.56	0.8	1.9	2.57
00340	COD, .25N K2CR2O7 MG/L	01/28/71-11/20/73	8	636.5	565.625	854.	130.	73643.125	271.373	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/71-11/02/94	31	7.92	7.935	8.9	6.8	0.154	0.393	7.43	7.8	8.05	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-11/02/94	31	7.92	7.736	8.9	6.8	0.195	0.442	7.43	7.8	8.05	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-11/02/94	31	0.012	0.018	0.158	0.001	0.001	0.028	0.005	0.009	0.016	0.037
00403	PH, LAB, STANDARD UNITS SU	04/27/71-11/02/94	23	8.	7.974	8.2	7.6	0.019	0.139	7.8	7.9	8.1	8.16
00403	CONVERTED PH, LAB, STANDARD UNITS	04/27/71-11/02/94	23	8.	7.951	8.2	7.6	0.02	0.141	7.8	7.9	8.1	8.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/71-11/02/94	23	0.01	0.011	0.025	0.006	0.	0.004	0.007	0.008	0.013	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-11/02/94	23	120.	116.696	140.	18.	586.858	24.225	99.	113.	129.	137.2
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/23/71-07/29/74	11	1.	5.727	16.	0.	44.218	6.65	0.	0.	13.	15.6
00480	SALINITY - PARTS PER THOUSAND	11/13/84-11/02/94	18	33.5	31.867	36.	20.	21.726	4.661	21.8	29.75	35.	36.
00500	RESIDUE, TOTAL (MG/L)	01/28/71-11/20/73	8	39960.	40218.75	42780.	36360.	4340869.643	2083.475	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-11/20/73	8	7075.	7277.25	8670.	5586.	1276314.786	1129.741	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-11/20/73	8	33615.	33040.	34550.	30770.	2273057.143	1507.666	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/28/71-11/20/73	8	39910.	40125.	42670.	36380.	4136314.286	2033.793	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-11/02/94	33	26.	45.788	213.	10.	2057.172	45.356	13.	18.	58.5	112.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-11/02/94	32	4.5	10.344	77.	0.	262.943	16.216	2.	3.	10.25	35.2
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-11/02/94	32	18.	33.406	136.	7.	930.636	30.506	10.2	15.25	40.75	86.8
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/18/78-01/18/78	1	1.08	1.08	1.08	1.08	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/18/78-11/02/94	21 ##	0.018	0.073	0.96	0.01	0.042	0.205	0.01	0.01	0.03	0.125
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/14/76-09/14/76	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-10/15/80	15	0.04	0.065	0.22	0.	0.004	0.067	0.002	0.01	0.1	0.19

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

Parameter Inventory for Station: FOMA0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/14/76-11/02/94	20	0.515	0.551	1.5	0.025	0.139	0.373	0.084	0.308	0.748	1.173
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/13/84-11/02/94	19 ##	0.02	0.02	0.07	0.002	0.	0.014	0.002	0.01	0.025	0.03
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/28/71-08/18/71	8	0.325	0.458	1.32	0.12	0.163	0.404	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/28/71-08/18/71	8	0.055	0.104	0.41	0.	0.02	0.142	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-11/02/94	31	0.076	0.11	0.54	0.018	0.013	0.113	0.031	0.05	0.11	0.223
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/71-01/14/74	11	5900.	5150.	8300.	3300.	2936000.	1713.476	3300.	3450.	6300.	7920.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	14	19550.	19718.857	23000.	18000.	1797781.363	1340.814	18000.	18535.	20532.5	21850.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/14/90-05/14/91	2	2878.5	2878.5	3300.	2457.	355324.5	596.091	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/29/74-07/29/74	1	1.09	1.09	1.09	1.09	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/87-07/20/92	6	0.905	1.035	1.9	0.76	0.184	0.429	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/14/76-09/14/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/14/76-09/14/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/14/76-09/14/76	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/14/76-09/14/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/14/76-09/14/76	1	90.	90.	90.	90.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/90-11/02/94	14	35.	50.964	200.	0.5	3458.633	58.81	1.75	7.5	77.5	170.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/14/90-11/02/94	14	1.54	1.342	2.301	-0.301	0.507	0.712	0.088	0.872	1.884	2.224
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			22.003								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	20	18.5	289.75	4600.	1.	1038462.408	1019.05	1.	1.25	155.	338.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-01/27/87	20	1.254	1.231	3.663	0.	1.115	1.056	0.	0.075	2.183	2.526
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			17.013								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/14/90-01/21/92	3	20.	18.333	32.	3.	212.333	14.572	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/14/90-01/21/92	3	1.301	1.094	1.505	0.477	0.296	0.544	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.429								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/07/73-07/29/74	5	11.	39.4	110.	1.	2346.3	48.439	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/07/73-07/29/74	5	1.041	1.125	2.041	0.	0.703	0.839	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			13.347								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/07/73-01/27/87	13	10.	26.769	110.	1.	1251.359	35.375	1.	1.	51.5	94.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/07/73-01/27/87	13	1.	0.908	2.041	0.	0.627	0.792	0.	0.	1.682	1.963
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.1								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/92-11/02/94	11	4.	4.045	10.	0.5	10.623	3.259	0.6	1.	4.	10.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/92-11/02/94	11	0.602	0.455	1.	-0.301	0.171	0.414	-0.241	0.	0.602	1.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.854								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	2 ##	4.25	4.25	7.	1.5	15.125	3.889	**	**	**	**
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	2 ##	0.511	0.511	0.845	0.176	0.224	0.473	**	**	**	**
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			3.24								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	11/04/85-01/27/87	4	3.69	4.885	11.04	1.12	19.068	4.367	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	17	0.02	0.037	0.15	0.	0.002	0.043	0.	0.01	0.046	0.134
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/28/71-07/29/71	7	0.04	0.05	0.1	0.01	0.001	0.036	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	01/18/78-11/02/94	21	9.	9.433	22.	3.	16.828	4.102	4.4	7.25	10.	16.6
82246	NATURAL SUBSTRATE,DIVERSITY INDEX	01/17/78-01/17/78	1	3.991	3.991	3.991	3.991	0.	0.	**	**	**	**
82250	NATURAL SUBSTRATE - NUMBER OF SPECIES	01/17/78-01/17/78	1	23.	23.	23.	23.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: FOMA0007

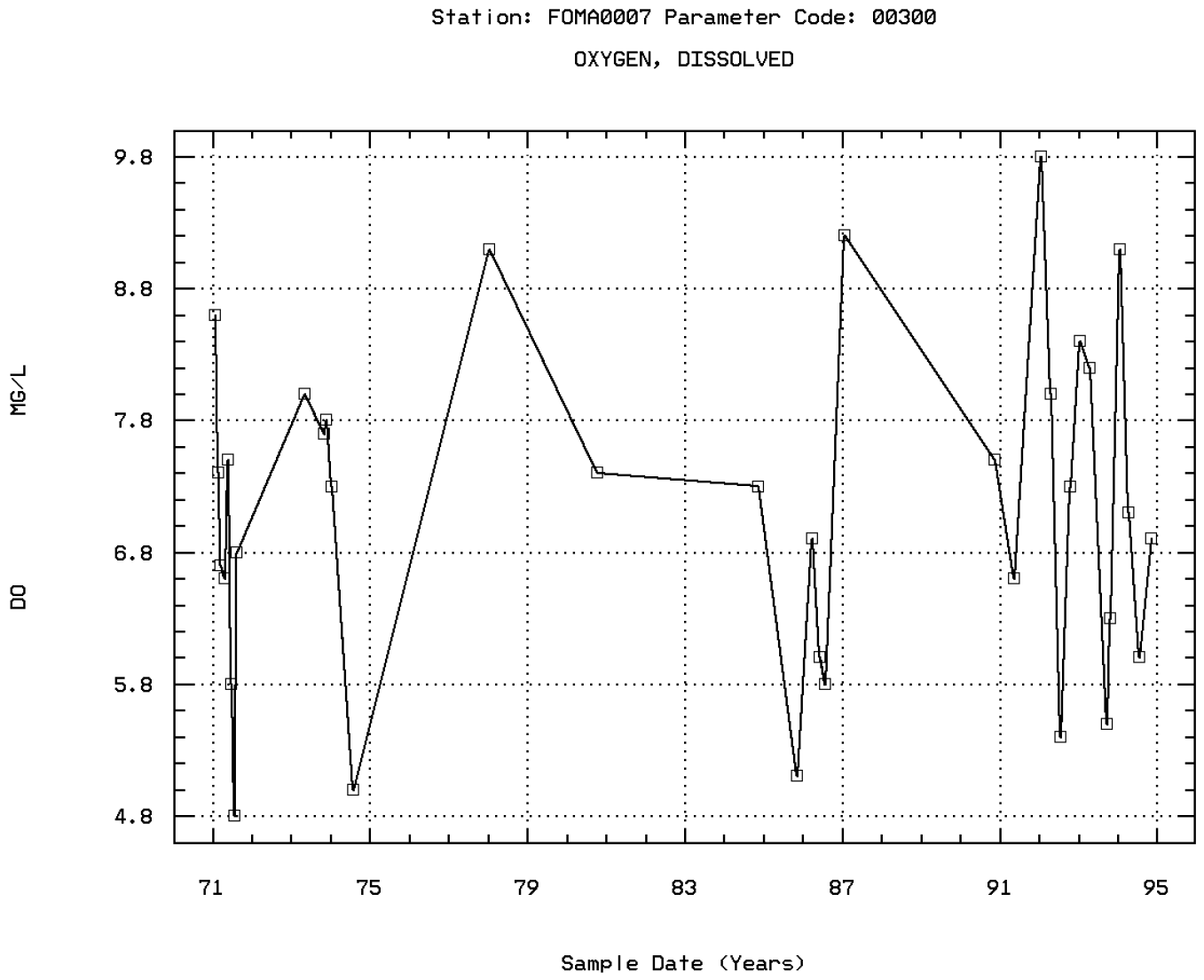
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	1	0	0.00	8	0	0.00	4	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	21	0	0.00	8	0	0.00	10	0	0.00	3	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	35	0	0.00	9	0	0.00	19	0	0.00	7	0	0.00			
00400	PH	Marine Chronic	8.5	31	2	0.06	9	1	0.11	16	1	0.06	6	0	0.00			
		Other-Lo Lim.	6.5	31	0	0.00	9	0	0.00	16	0	0.00	6	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	23	0	0.00	7	0	0.00	12	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	23	0	0.00	7	0	0.00	12	0	0.00	4	0	0.00			
01027	CADMIUM, TOTAL	Marine Acute	43.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Marine Acute	2.9	0 &	0	0.00												
01051	LEAD, TOTAL	Marine Acute	220.	1	0	0.00							1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: FOMA0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01092	ZINC, TOTAL	Marine Acute	95.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	14	0	0.00	5	0	0.00	7	0	0.00	2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	20	1	0.05	4	0	0.00	11	1	0.09	5	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00	2	0	0.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	13	0	0.00	4	0	0.00	7	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	11	0	0.00	4	0	0.00	5	0	0.00	2	0	0.00			

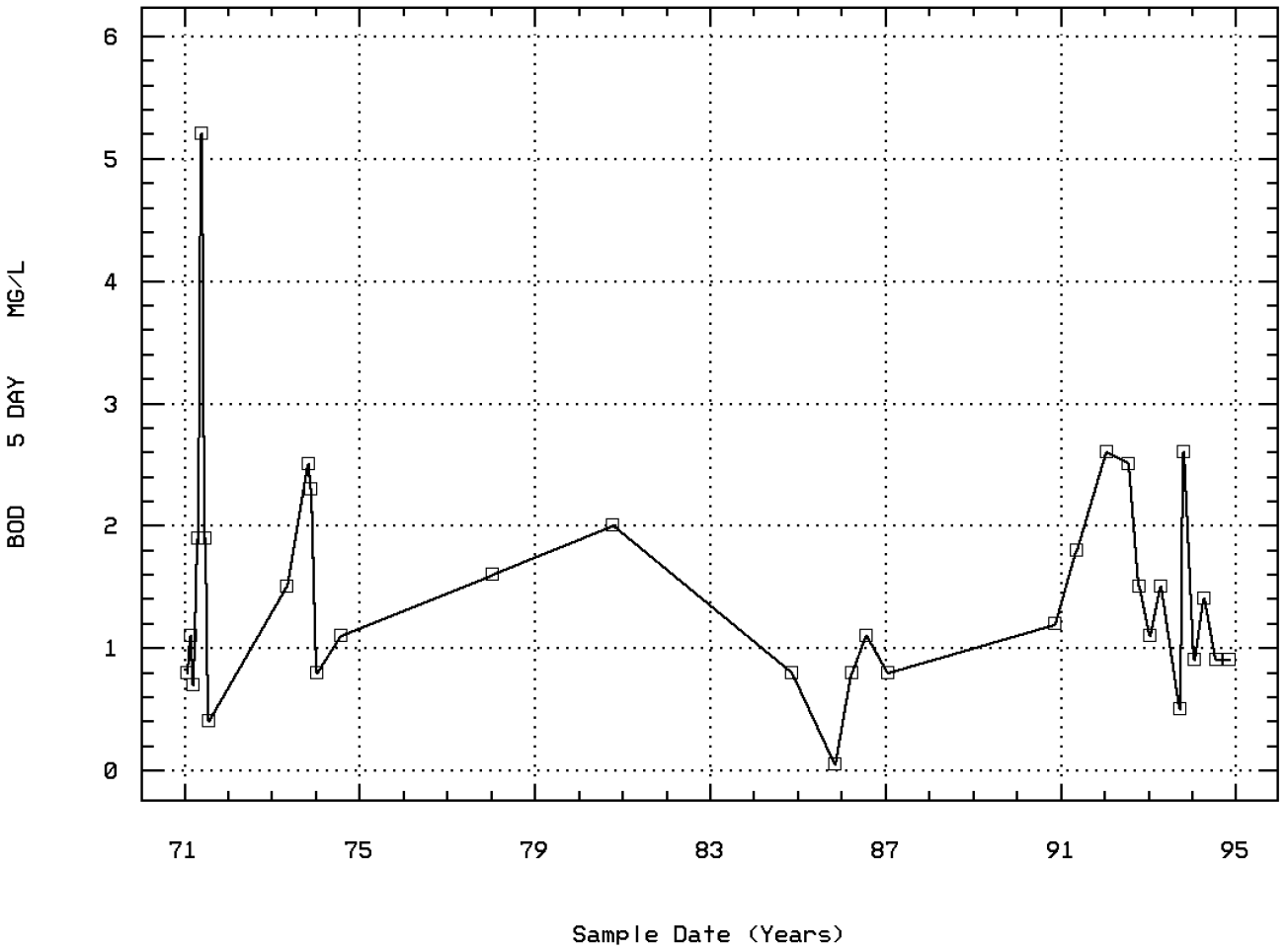
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00310

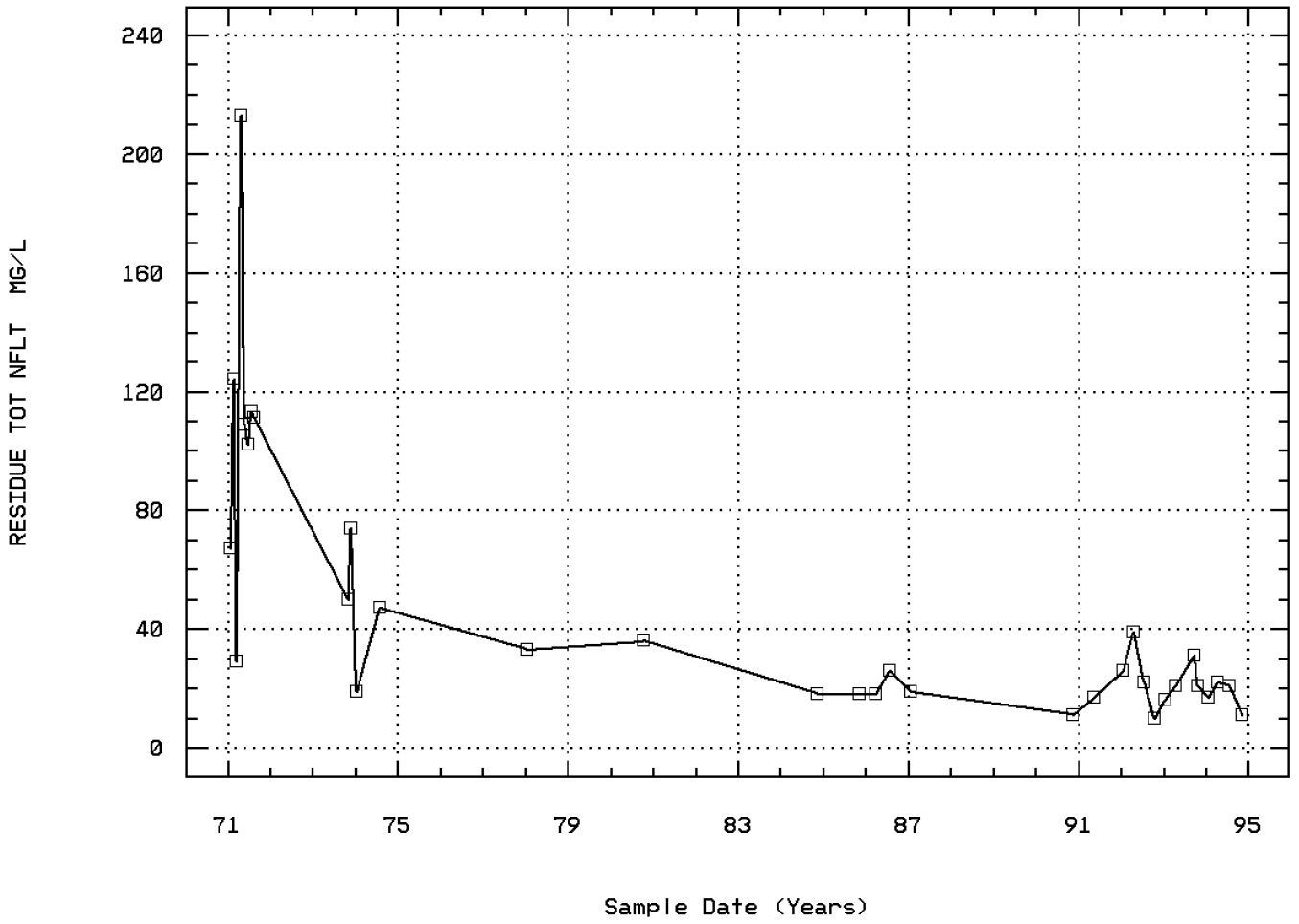
BOD, 5 DAY, 20 DEG C



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00530

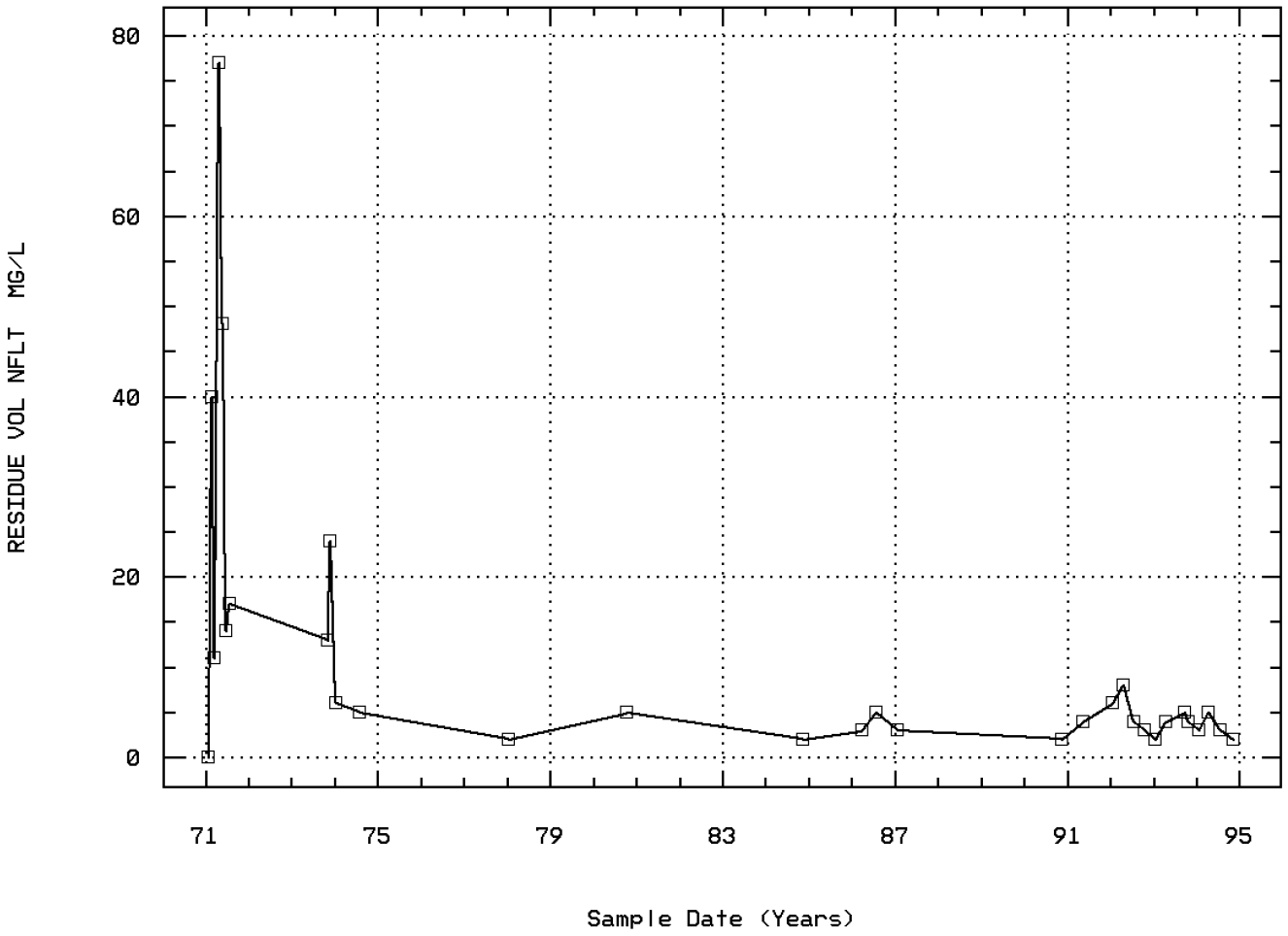
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00535

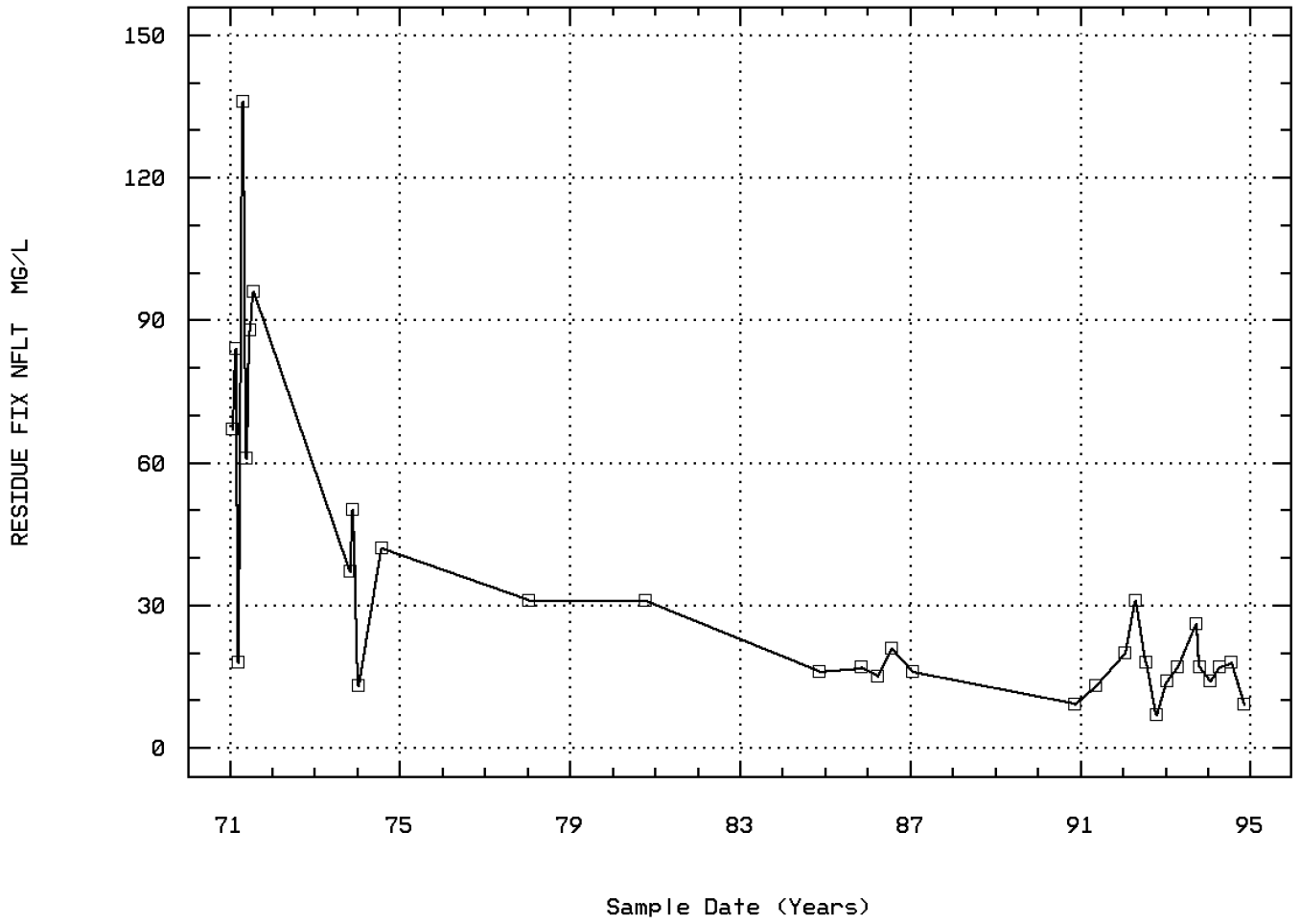
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00540

RESIDUE, FIXED NONFILTRABLE (MG/L)



ICWW MARKER 87 AT MARINELAND

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	01/28/71-11/02/94	9	7.3	6.778	7.7	5.1	0.874	0.935	5.1	5.9	7.45	7.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-11/02/94	9	1.2	1.339	2.6	0.05	0.784	0.885	0.05	0.65	2.25	2.6
00400p	PH (STANDARD UNITS)	01/28/71-11/02/94	9	7.7	7.713	8.8	6.8	0.307	0.554	6.8	7.35	7.96	8.8
00400p	CONVERTED PH (STANDARD UNITS)	01/28/71-11/02/94	9	7.7	7.436	8.8	6.8	0.393	0.627	6.8	7.35	7.96	8.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-11/02/94	9	0.02	0.037	0.158	0.002	0.002	0.048	0.002	0.011	0.045	0.158
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-11/02/94	9	18.	22.889	50.	10.	184.111	13.569	10.	11.	33.5	50.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-11/02/94	9	3.	4.111	13.	1.	13.111	3.621	1.	2.	5.	13.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-11/02/94	9	17.	18.778	37.	7.	109.694	10.474	7.	9.	28.5	37.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	2	20500.	20500.	23000.	18000.	12500000.	3535.534	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	4	28.	102.75	350.	5.	27304.25	165.24	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-01/27/87	4	1.44	1.531	2.544	0.699	0.582	0.763	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			33.948								

** - Less than 9 observations ## - Computed with 50% or more 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: 11/15 to 6/14 - Station FOMA0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	01/28/71-11/02/94	19	7.8	7.805	9.8	6.	1.095	1.046	6.6	6.9	8.6	9.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-11/02/94	17	1.4	1.576	5.2	0.7	1.187	1.089	0.78	0.8	1.85	3.12
00400p	PH (STANDARD UNITS)	01/28/71-11/02/94	16	7.99	8.014	8.9	7.55	0.084	0.289	7.725	7.9	8.038	8.452
00400p	CONVERTED PH (STANDARD UNITS)	01/28/71-11/02/94	16	7.99	7.947	8.9	7.55	0.089	0.298	7.725	7.9	8.038	8.452
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-11/02/94	16	0.01	0.011	0.028	0.001	0.	0.006	0.004	0.009	0.013	0.02
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-11/02/94	17	26.	50.765	213.	16.	2857.066	53.452	16.8	18.5	70.5	141.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-11/02/94	17	5.	14.471	77.	0.	449.89	21.211	1.6	3.	17.5	53.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-11/02/94	17	18.	36.294	136.	13.	1143.971	33.823	13.	14.5	55.5	94.4
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	9	20200.	19773.778	20700.	18340.	820893.444	906.032	18340.	18950.	20565.	20700.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	11	14.	469.636	4600.	1.	1882907.255	1372.191	1.	1.	170.	3726.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-01/27/87	11	1.146	1.242	3.663	0.	1.528	1.236	0.	0.	2.23	3.403
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			17.451								

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

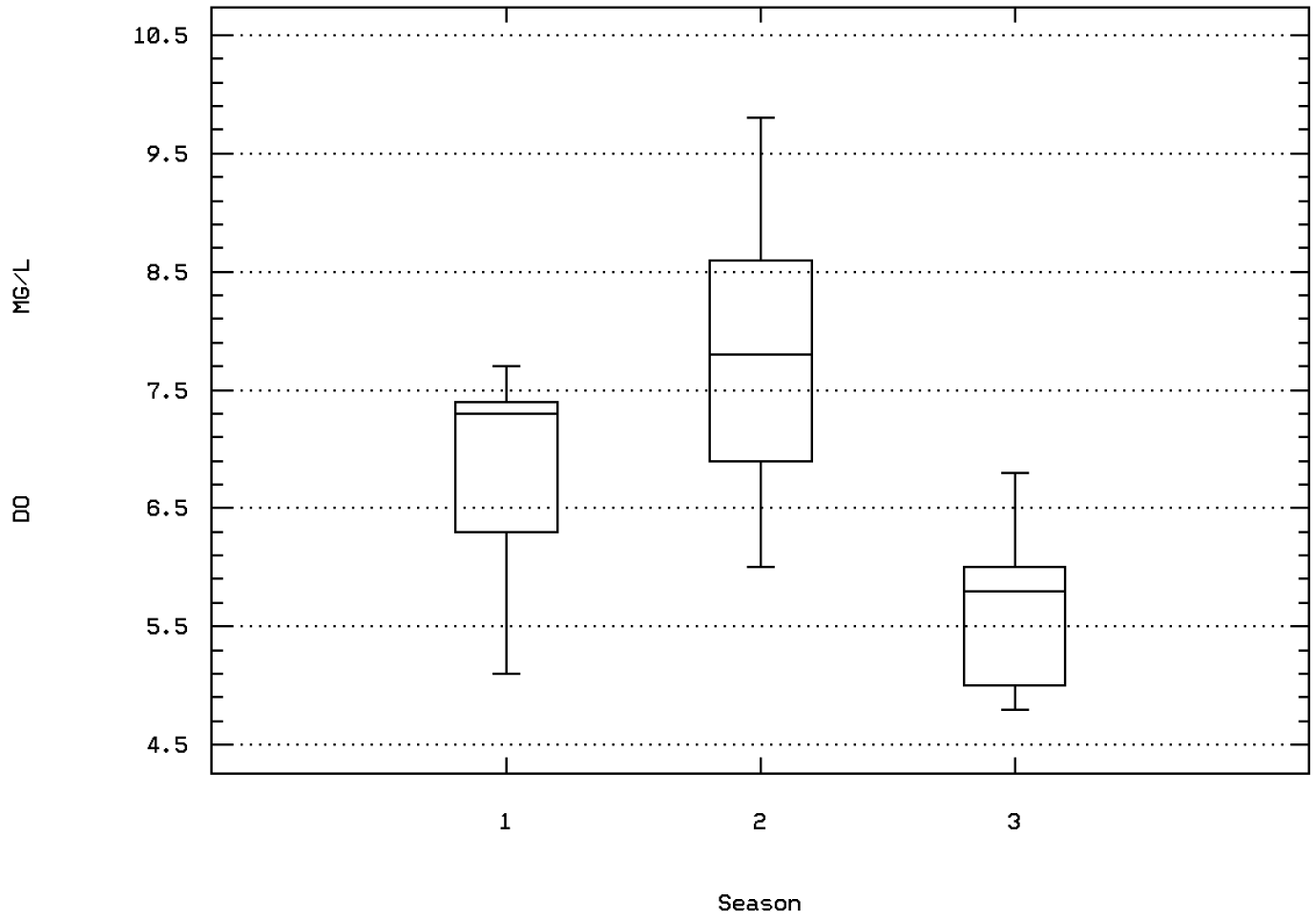
Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	01/28/71-11/02/94	7	5.8	5.657	6.8	4.8	0.45	0.67	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-11/02/94	6	1.1	1.317	2.5	0.4	0.57	0.755	**	**	**	**
00400p	PH (STANDARD UNITS)	01/28/71-11/02/94	6	8.05	8.058	8.3	7.75	0.056	0.238	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/28/71-11/02/94	6	8.025	8.005	8.3	7.75	0.06	0.245	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-11/02/94	6	0.009	0.01	0.018	0.005	0.	0.005	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-11/02/94	7	47.	63.143	113.	21.	1899.143	43.579	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-11/02/94	6	5.	8.	17.	3.	35.2	5.933	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-11/02/94	6	31.5	47.167	96.	18.	1292.967	35.958	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	3	19400.	19033.333	19700.	18000.	823333.333	907.377	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-01/27/87	5	5.	43.6	170.	1.	5256.3	72.5	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-01/27/87	5	0.699	0.967	2.23	0.	0.863	0.929	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.258								

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

Station: FOMA0007 Parameter Code: 00300

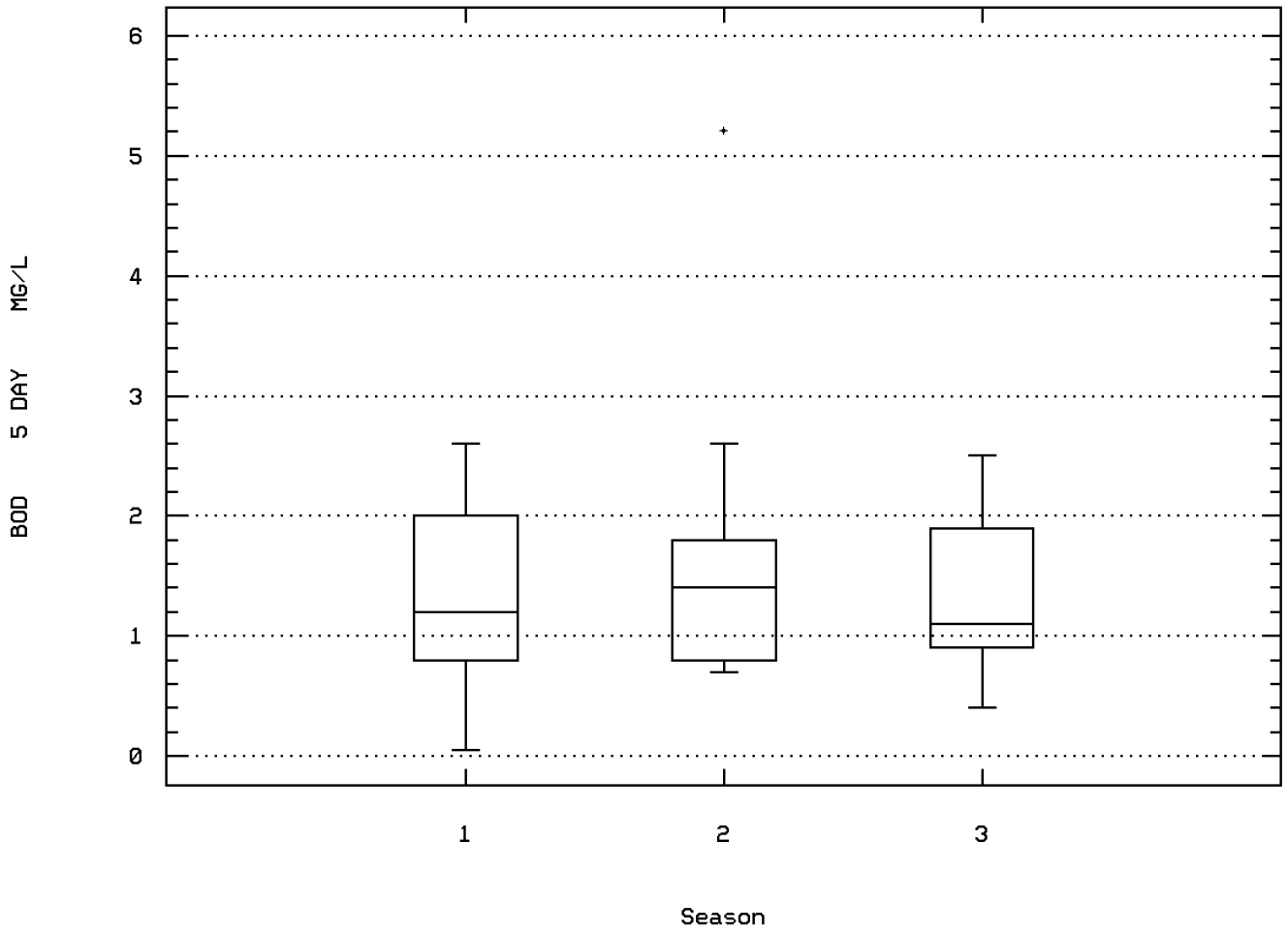
OXYGEN, DISSOLVED



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00310

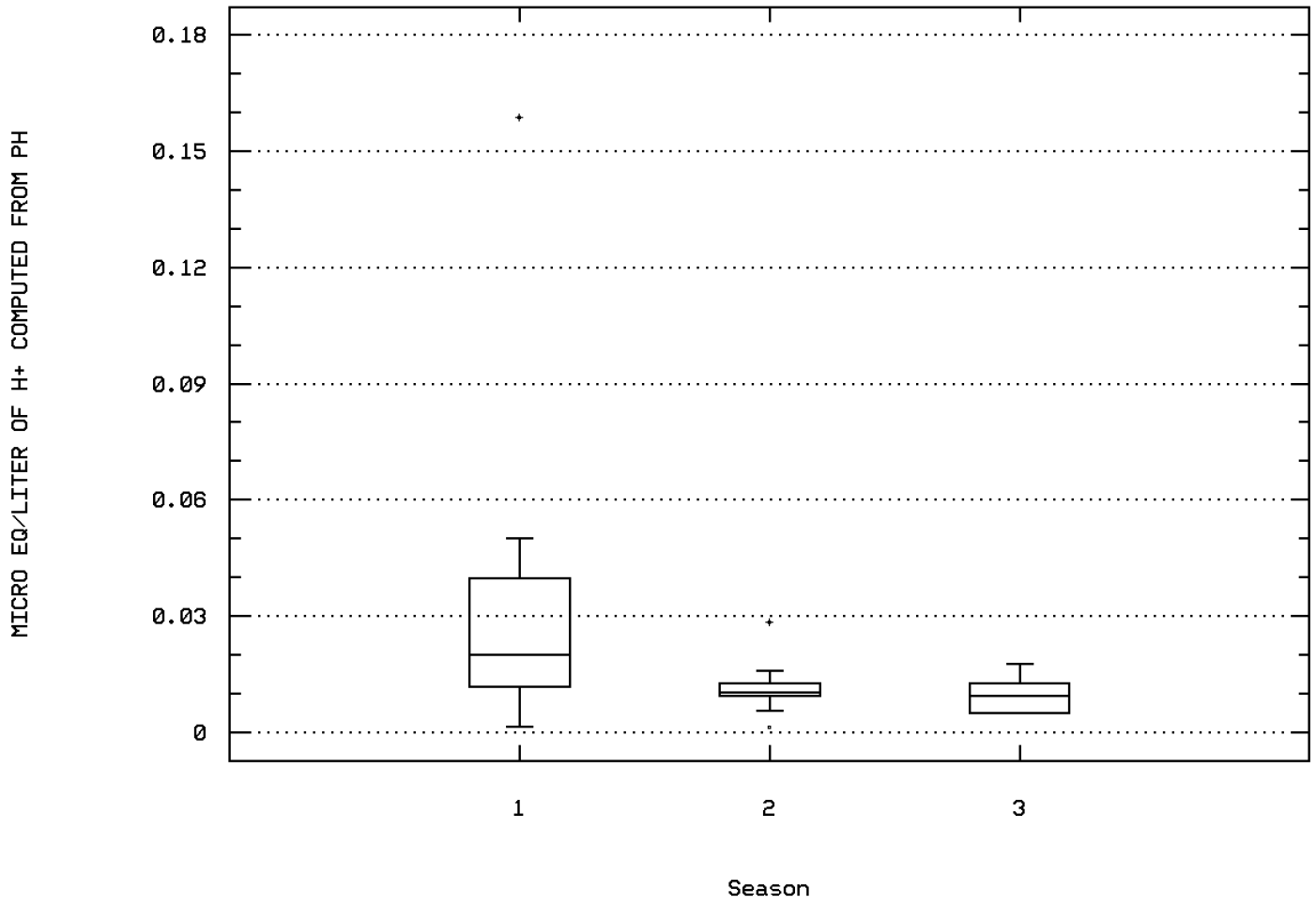
BOD, 5 DAY, 20 DEG C



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00400

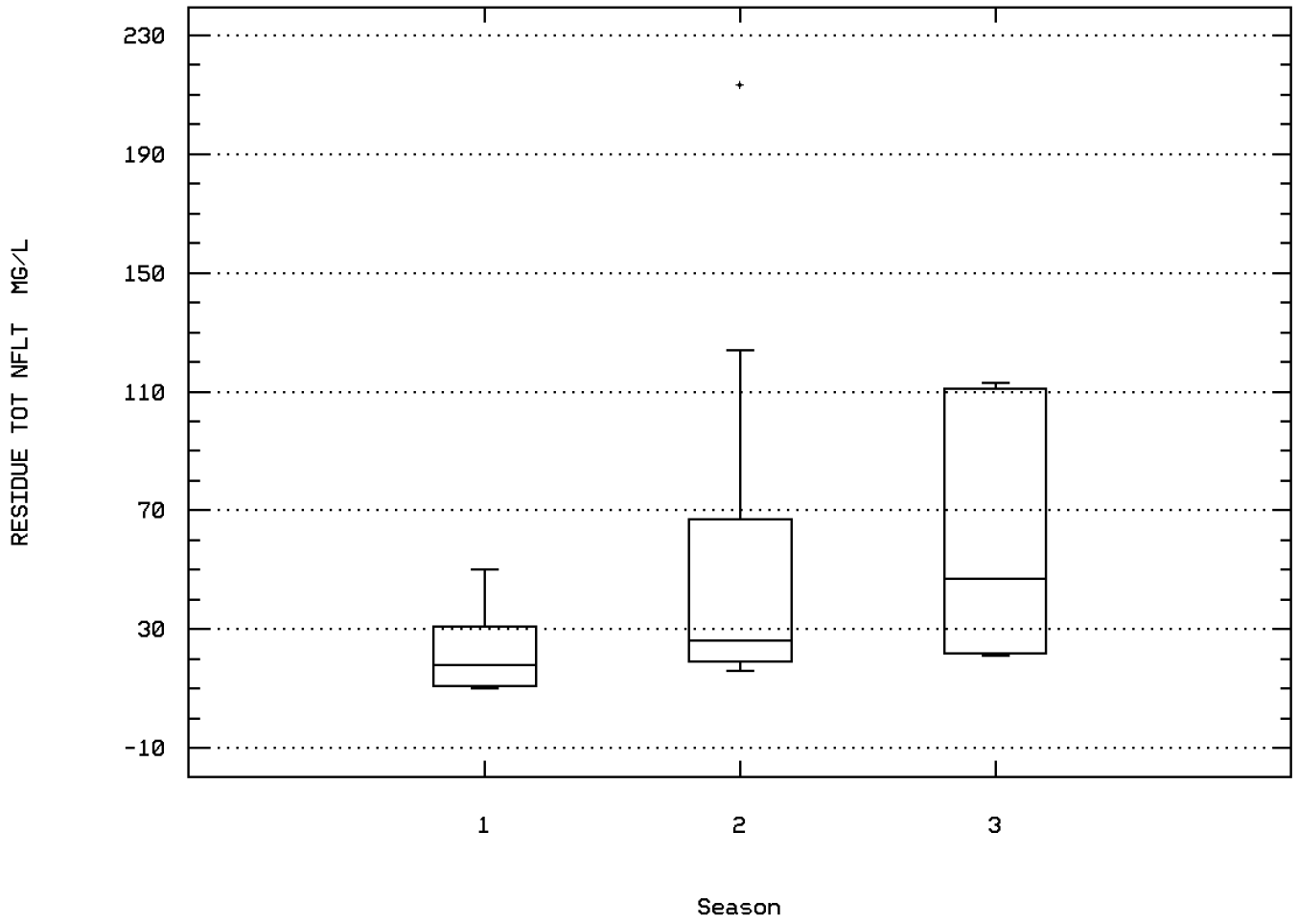
MICRO EQ/LITER OF H+ COMPUTED FROM PH



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00530

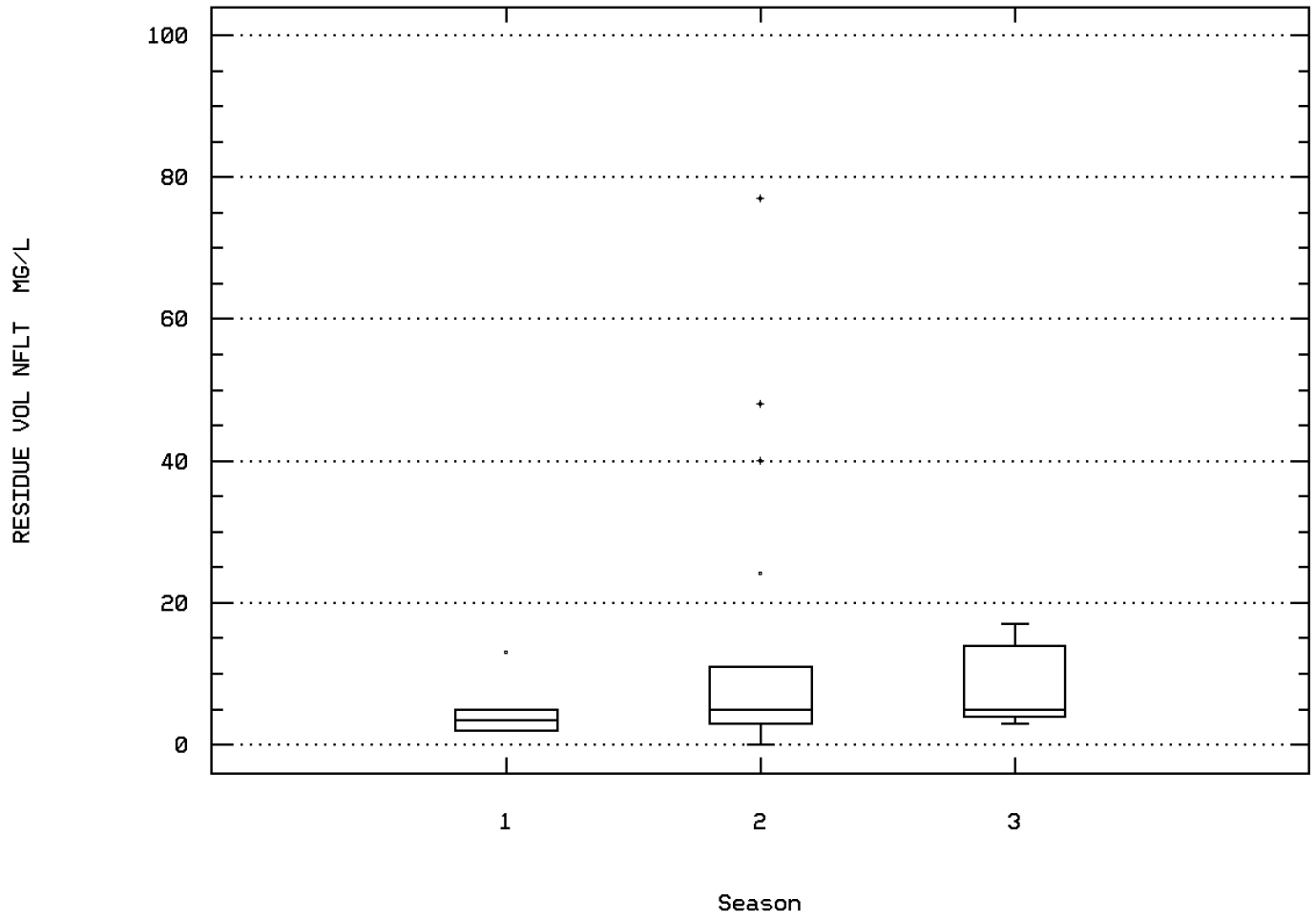
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00535

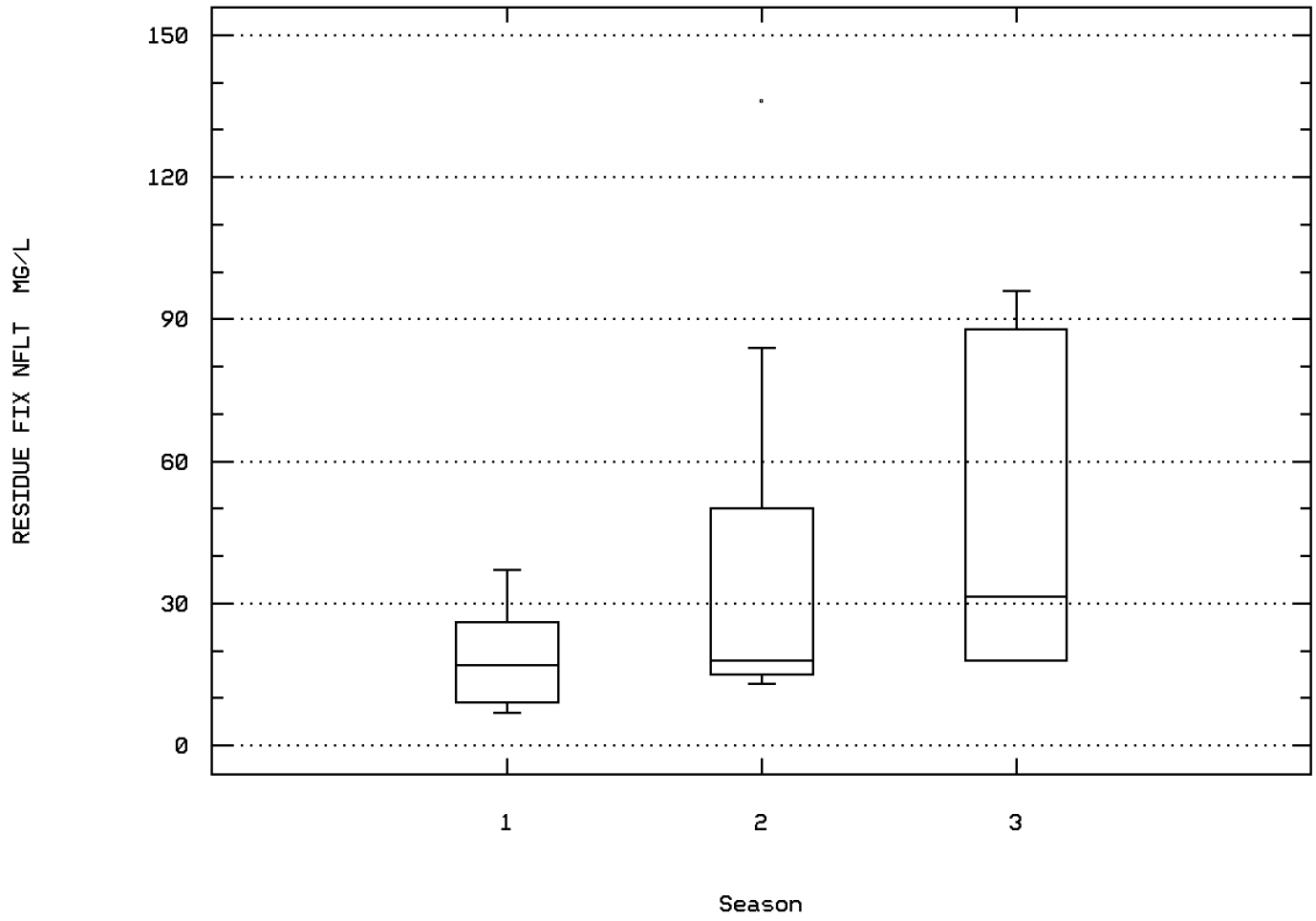
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



ICWW MARKER 87 AT MARINELAND

Station: FOMA0007 Parameter Code: 00540

RESIDUE, FIXED NONFILTRABLE (MG/L)



ICWW MARKER 87 AT MARINELAND

Station Inventory for Station: FOMA0008

NPS Station ID: FOMA0008
LAT/LON: 29.673337/ -81.223337
Agency: 21FLA
Date Created: 08/16/97
Location: Upstream from station 101
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88102SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	186	22.	20.423	29.3	3.9	38.461	6.202	11.2	15.3	26.	28.03
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	143	7.	7.664	25.	0.	26.182	5.117	0.	5.	10.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	152	7.8	7.831	16.1	2.6	4.588	2.142	5.13	6.3	9.4	10.71
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	143	8.	7.992	8.4	7.1	0.04	0.201	7.7	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	143	8.	7.936	8.4	7.1	0.043	0.208	7.7	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	143	0.01	0.012	0.079	0.004	0.	0.008	0.006	0.008	0.013	0.02
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	143	11.	29.594	920.	1.	8240.947	90.78	1.4	4.	23.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	143	1.041	0.986	2.964	0.	0.365	0.604	0.12	0.602	1.362	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.676								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	176	32.95	31.851	47.2	11.2	20.758	4.556	26.07	29.7	34.8	35.93
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	198	3.	3.091	7.	0.	2.509	1.584	1.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	143	4.4	6.184	29.	0.	26.447	5.143	1.68	2.6	7.9	14.

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

EPA Water Quality Criteria Analysis for Station: FOMA0008

				Total	Exceed	Prop.	----------9/15-11/14----------			----------11/15-6/14----------			----------6/15-9/14----------			----------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.	152	2	0.01	30	0	0.00	87	2	0.02	35	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	143	0	0.00	26	0	0.00	78	0	0.00	39	0	0.00			
		Other-Lo Lim.	6.5	143	0	0.00	26	0	0.00	78	0	0.00	39	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	143	0	0.00	26	0	0.00	78	0	0.00	39	0	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 1990 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	11	20.4	21.791	29.3	14.9	30.527	5.525	14.96	17.	26.8	29.3
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	6	2.5	3.333	10.	0.	16.667	4.082	**	**	**	**
00299P	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	11	7.2	7.018	8.7	4.8	1.732	1.316	4.86	6.2	8.2	8.68
00403P	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	6	8.1	8.083	8.2	8.	0.006	0.075	**	**	**	**
00403P	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	6	8.1	8.078	8.2	8.	0.006	0.076	**	**	**	**
00403P	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	6	0.008	0.008	0.01	0.006	0.	0.001	**	**	**	**
31621P	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	6	10.5	10.	23.	1.	67.2	8.198	**	**	**	**
31621P	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	6	1.009	0.799	1.362	0.	0.282	0.531	**	**	**	**
31621P	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.294								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	11	35.2	32.927	36.4	27.9	10.844	3.293	27.9	30.2	35.5	36.3
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	11	4.	3.636	6.	1.	2.855	1.69	1.	2.	4.	6.
82079P	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	6	2.3	3.133	5.6	2.	2.251	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 1991 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	21	26.6	24.786	28.6	14.3	19.021	4.361	15.56	22.2	28.2	28.38
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	12	5.5	5.833	12.	0.	10.152	3.186	0.9	4.	7.75	11.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	15	6.3	6.213	7.7	4.5	1.046	1.023	4.56	5.3	7.1	7.46
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	12	7.95	7.95	8.2	7.6	0.028	0.168	7.66	7.825	8.1	8.17
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	12	7.947	7.919	8.2	7.6	0.029	0.171	7.66	7.825	8.1	8.17
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	12	0.011	0.012	0.025	0.006	0.	0.005	0.007	0.008	0.015	0.022
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	12	4.5	7.667	23.	1.	52.606	7.253	1.	1.25	13.	21.2
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	12	0.651	0.661	1.362	0.	0.248	0.498	0.	0.075	1.114	1.322
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.577								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	21	30.6	30.614	35.4	22.6	13.952	3.735	24.72	27.3	33.7	34.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	21	5.	4.571	7.	2.	1.957	1.399	2.	4.	5.	6.8
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	12	8.3	9.108	29.	3.4	46.464	6.816	3.52	4.35	9.75	23.9

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

Annual Analysis for 1992 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	27	20.7	20.23	28.7	10.3	27.644	5.258	13.18	15.6	24.4	28.36
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	24	8.	9.083	18.	0.	24.775	4.977	3.5	5.	14.25	16.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	27	8.1	8.211	16.1	4.6	5.424	2.329	5.62	6.7	9.9	10.5
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	24	8.	8.037	8.2	7.8	0.016	0.128	7.8	8.	8.175	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	24	8.	8.019	8.2	7.8	0.017	0.129	7.8	8.	8.175	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	24	0.01	0.01	0.016	0.006	0.	0.003	0.006	0.007	0.01	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	24	5.	12.208	70.	1.	299.042	17.293	1.	2.	13.25	41.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	24	0.699	0.752	1.845	0.	0.301	0.548	0.	0.301	1.12	1.604
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.651								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	23	33.2	33.535	38.7	22.9	10.111	3.18	30.58	32.3	35.4	37.96
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	28	2.	2.464	4.	1.	1.073	1.036	1.	2.	3.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	24	6.45	8.025	20.	1.4	29.182	5.402	2.5	3.45	12.725	17.

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

Annual Analysis for 1993 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	24	19.	19.038	29.1	9.6	39.702	6.301	10.4	13.425	25.15	27.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	17	8.	8.118	20.	0.	26.985	5.195	0.	4.5	11.	16.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	22	9.7	9.573	11.5	6.5	2.194	1.481	7.06	8.625	11.1	11.44
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	17	8.1	8.112	8.4	8.	0.012	0.111	8.	8.	8.15	8.32
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	17	8.1	8.1	8.4	8.	0.013	0.112	8.	8.	8.15	8.32
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	17	0.008	0.008	0.01	0.004	0.	0.002	0.005	0.007	0.01	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	17	11.	18.765	94.	1.	715.441	26.748	1.8	4.5	15.	82.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	17	1.041	0.963	1.973	0.	0.282	0.531	0.241	0.651	1.172	1.913
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.185								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	19	34.8	33.995	38.3	29.	7.653	2.766	29.1	32.6	36.3	37.4
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	24	3.	2.917	6.	1.	1.819	1.349	1.5	2.	3.	5.5
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	17	6.	8.735	23.	2.	41.786	6.464	2.48	4.65	12.3	21.4

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

Annual Analysis for 1994 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	39	19.6	19.338	28.3	9.2	39.825	6.311	10.	13.5	25.	27.6
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	29	8.	8.241	18.	0.	21.761	4.665	0.	5.	11.	15.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	35	9.2	8.554	12.1	2.9	5.155	2.271	5.22	6.8	9.9	11.52
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	29	8.1	8.028	8.3	7.1	0.071	0.266	7.7	7.9	8.25	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	29	8.1	7.917	8.3	7.1	0.083	0.289	7.7	7.9	8.25	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	29	0.008	0.012	0.079	0.005	0.	0.014	0.005	0.006	0.013	0.02
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	29	11.	26.414	130.	1.	1054.108	32.467	2.	5.	39.5	79.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	29	1.041	1.085	2.114	0.	0.365	0.604	0.301	0.699	1.591	1.898
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			12.15								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	38	30.15	29.079	36.5	11.2	35.034	5.919	22.16	26.525	33.225	34.72
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	41	3.	2.756	4.	0.	1.339	1.157	1.	2.	4.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	29	4.2	5.483	21.	1.2	19.225	4.385	2.2	3.1	6.	14.

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

Annual Analysis for 1995 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	17	23.	19.353	27.2	7.1	43.518	6.597	7.66	12.1	24.05	25.12
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	19	7.	7.684	25.	0.	45.561	6.75	0.	3.	10.	22.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	5	8.7	7.4	9.2	2.6	7.455	2.73	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	19	8.1	8.047	8.3	7.6	0.027	0.165	7.8	8.	8.2	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	19	8.1	8.014	8.3	7.6	0.028	0.168	7.8	8.	8.2	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	19	0.008	0.01	0.025	0.005	0.	0.005	0.006	0.006	0.01	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	19	8.	10.474	33.	1.	97.819	9.89	1.	2.	13.	33.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	19	0.903	0.803	1.519	0.	0.242	0.492	0.	0.301	1.114	1.519
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.349								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	17	34.5	34.194	38.3	29.	6.729	2.594	29.4	33.7	35.75	37.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	24	4.	3.417	7.	0.	4.514	2.125	0.	2.	5.	6.5
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	19	4.3	5.537	20.	1.4	23.785	4.877	1.4	2.4	7.2	14.

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

Annual Analysis for 1996 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	29	23.8	21.024	28.9	3.9	58.292	7.635	8.4	14.55	27.8	28.2
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	24	5.	6.958	22.	0.	23.433	4.841	2.	5.	10.	13.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	20	5.65	5.725	8.	4.1	1.07	1.035	4.32	4.925	6.525	7.1
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	24	7.8	7.829	8.1	7.5	0.028	0.168	7.6	7.7	8.	8.05
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	24	7.8	7.798	8.1	7.5	0.029	0.171	7.6	7.7	8.	8.05
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	24	0.016	0.016	0.032	0.008	0.	0.006	0.009	0.01	0.02	0.025
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	24	18.	65.708	920.	2.	33924.65	184.186	2.	7.25	49.	94.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	24	1.238	1.274	2.964	0.301	0.396	0.629	0.301	0.86	1.69	1.97
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			18.782								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	29	32.9	32.772	47.2	24.3	18.219	4.268	26.7	30.15	34.85	36.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	31	2.	2.613	7.	0.	2.578	1.606	1.	2.	3.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	24	3.85	4.658	15.	0.6	12.991	3.604	1.1	2.2	7.15	10.2

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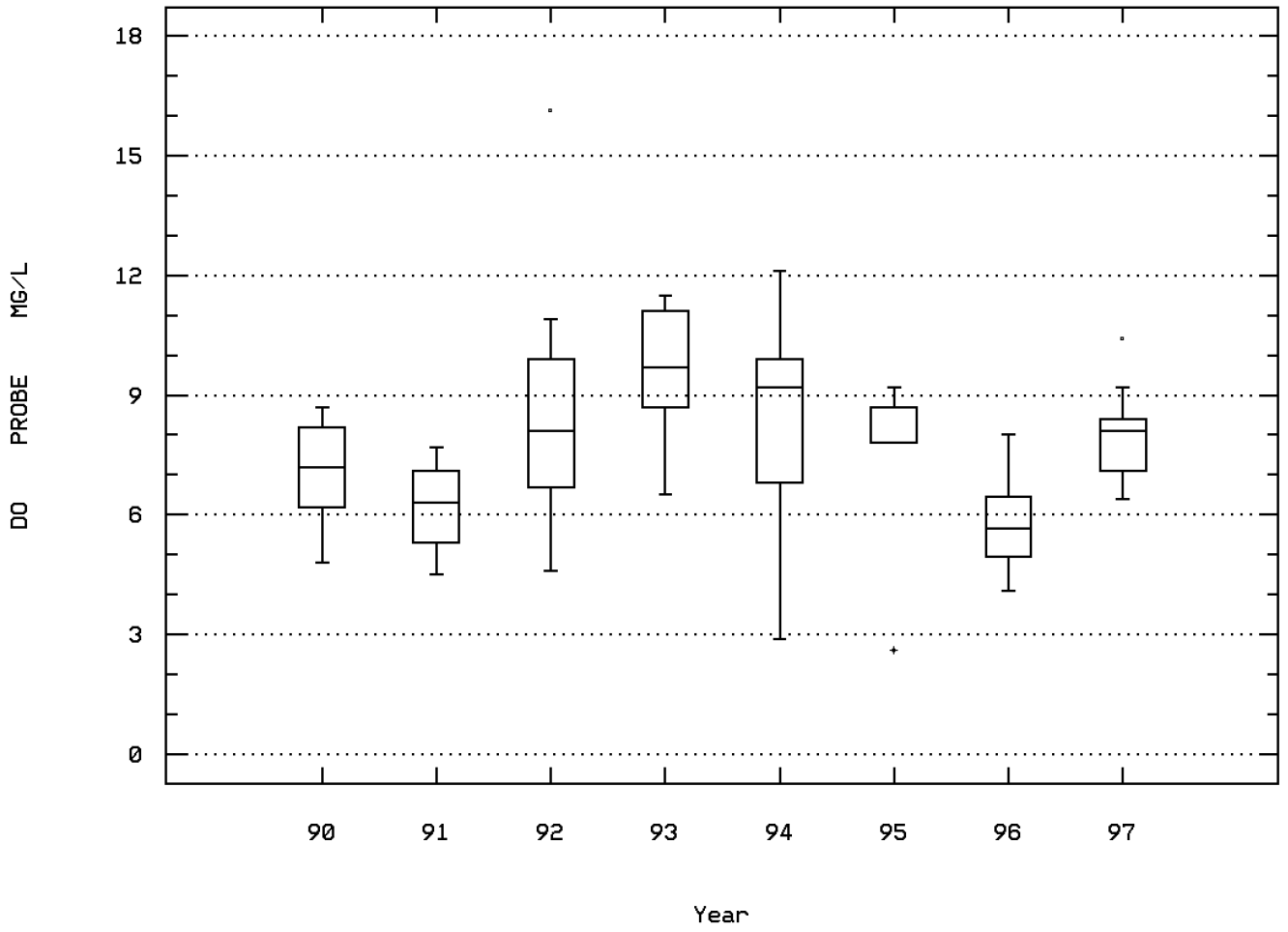
Annual Analysis for 1997 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	18	19.9	19.028	27.8	13.	22.213	4.713	13.09	13.7	22.825	24.83
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	12	7.5	8.167	16.	0.	29.424	5.424	0.6	4.	14.25	15.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	17	8.1	8.041	10.4	6.4	1.398	1.182	6.64	7.1	8.75	10.4
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	12	7.95	7.875	8.1	7.5	0.038	0.196	7.5	7.8	8.	8.07
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	12	7.947	7.829	8.1	7.5	0.041	0.202	7.5	7.8	8.	8.07
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	12	0.011	0.015	0.032	0.008	0.	0.008	0.009	0.01	0.016	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	12	22.5	77.167	540.	2.	23310.152	152.677	2.9	6.5	49.	429.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	12	1.352	1.378	2.732	0.301	0.454	0.674	0.42	0.785	1.69	2.582
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			23.881								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	18	32.05	30.378	35.9	21.	19.088	4.369	22.71	27.6	33.55	34.46
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	18	3.	3.389	7.	1.	2.605	1.614	1.9	2.	4.	7.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	12	2.	3.258	9.9	0.	8.812	2.968	0.3	1.05	4.95	9.09

** - 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

Station: FOMA0008 Parameter Code: 00299

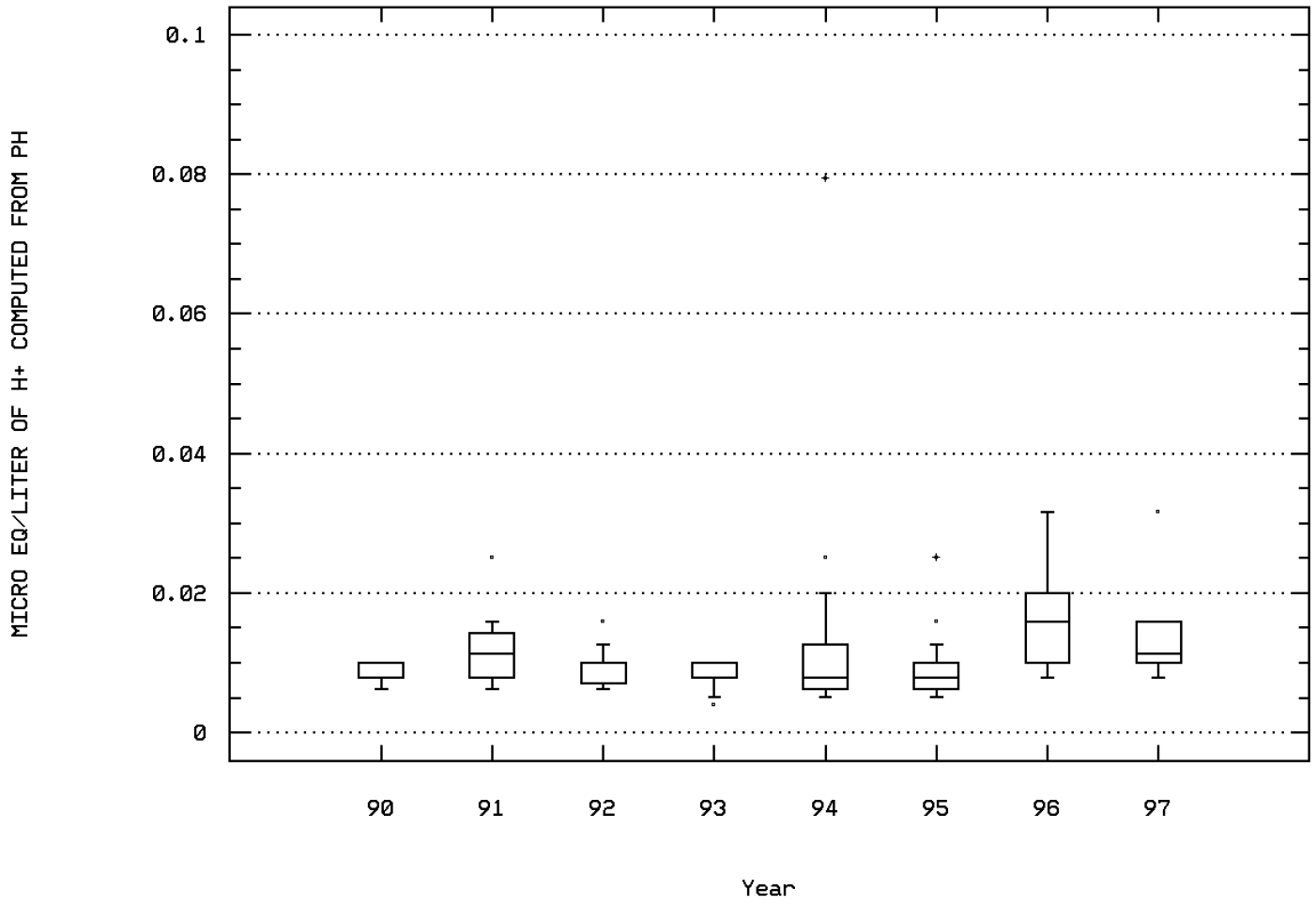
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



Upstream from station 101

Station: FOMA0008 Parameter Code: 00403

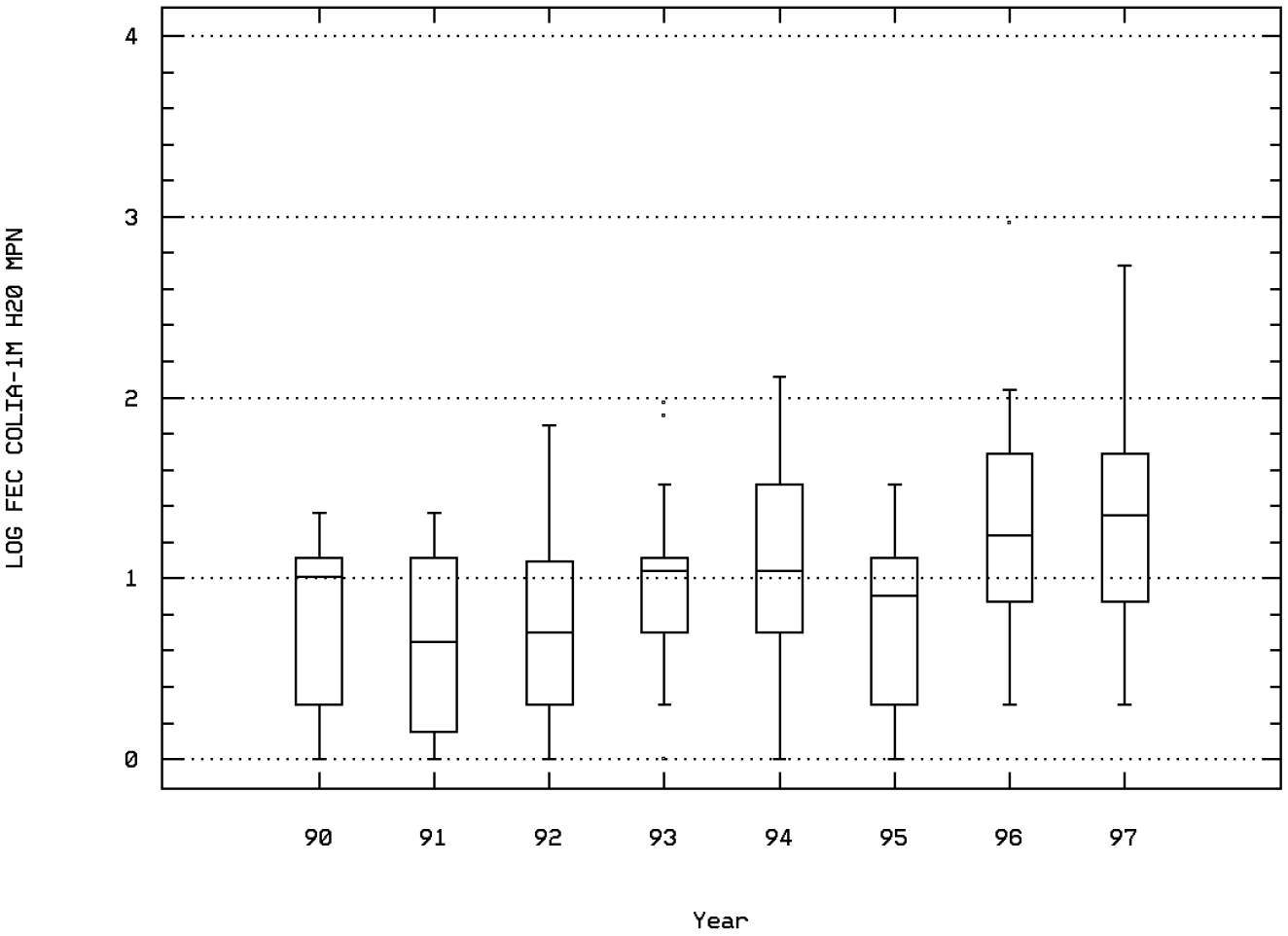
MICRO EQ/LITER OF H+ COMPUTED FROM PH



Upstream from station 101

Station: FOMA0008 Parameter Code: 31621

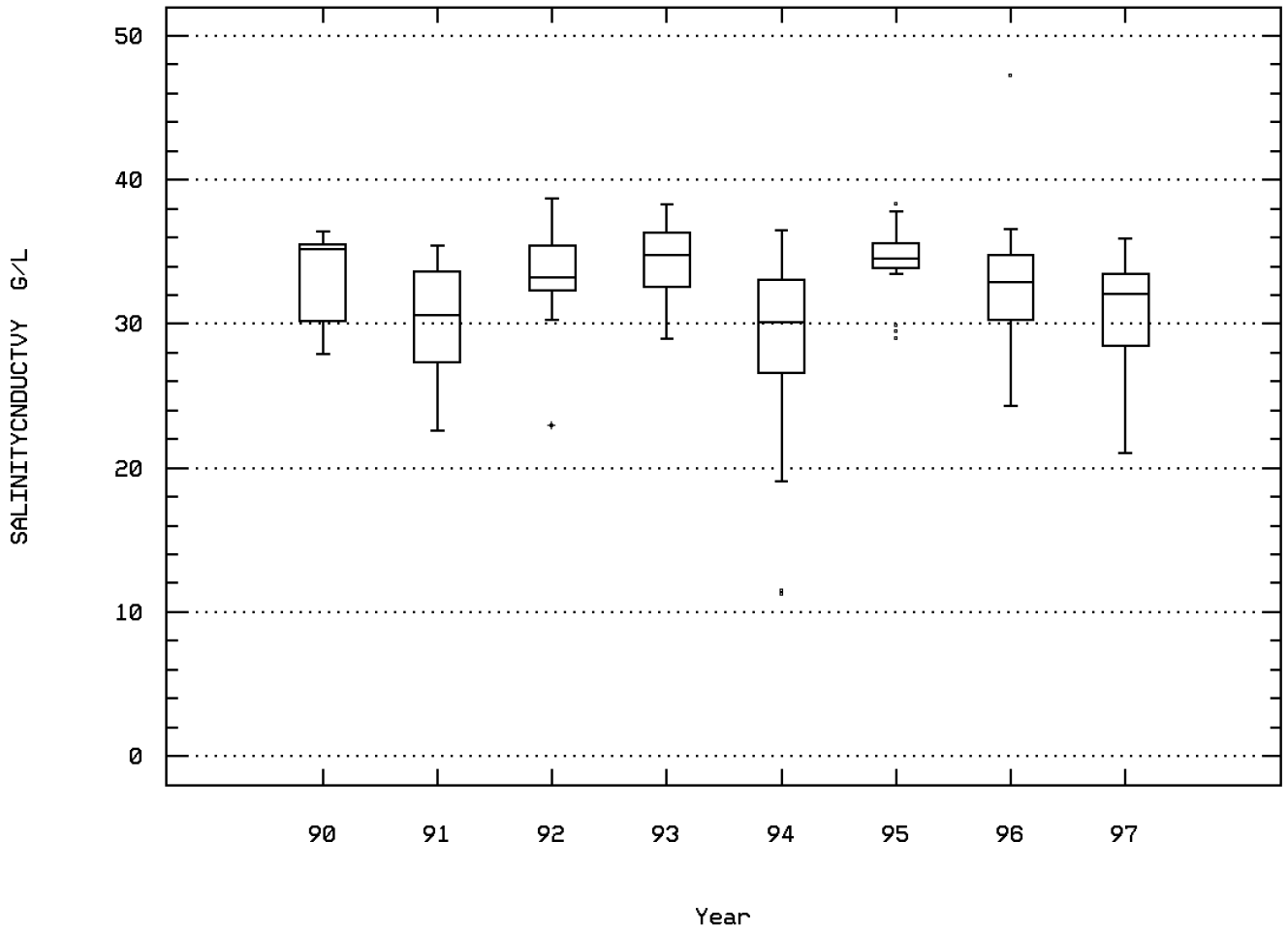
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Upstream from station 101

Station: FOMA0008 Parameter Code: 70305

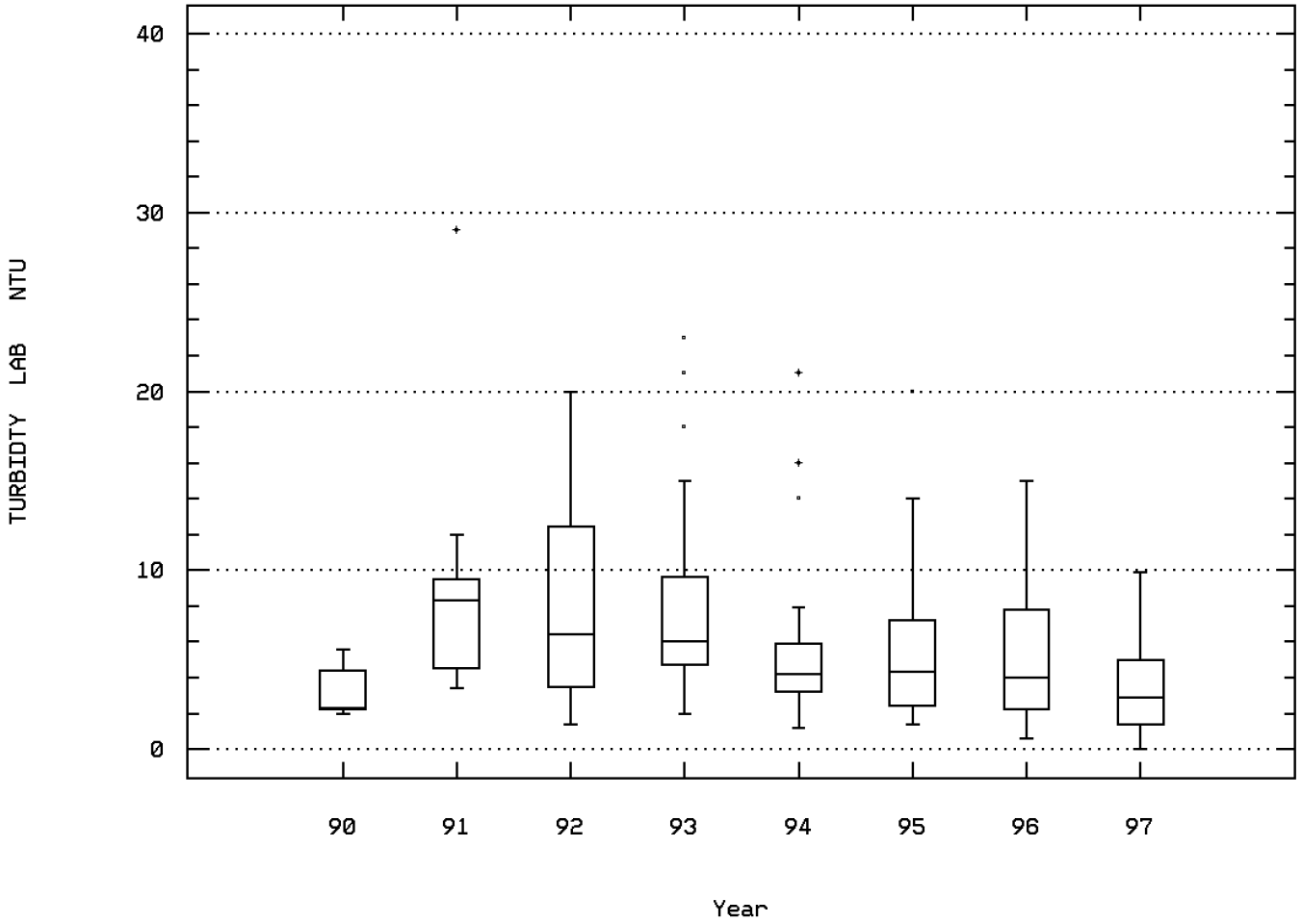
SALINITY BASED ON CONDUCTIVITY



Upstream from station 101

Station: FOMA0008 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Upstream from station 101

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	32	22.	20.981	28.6	8.3	17.085	4.133	15.39	19.	23.3	26.56
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	26	8.	9.192	22.	0.	32.002	5.657	2.1	5.	14.25	16.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	30	7.8	8.05	10.9	4.6	2.46	1.568	6.21	6.875	9.65	9.9
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	26	8.	7.954	8.3	7.5	0.048	0.22	7.6	7.8	8.125	8.23
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	26	8.	7.899	8.3	7.5	0.051	0.226	7.6	7.8	8.125	8.23
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	26	0.01	0.013	0.032	0.005	0.	0.007	0.006	0.008	0.016	0.025
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	26	13.5	27.346	130.	1.	988.795	31.445	1.	7.25	33.	83.5
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	26	1.13	1.136	2.114	0.	0.353	0.594	0.	0.852	1.519	1.92
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			13.669								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	28	33.	31.921	38.7	22.5	19.944	4.466	24.13	29.15	35.275	36.59
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	36	3.	3.083	6.	0.	2.25	1.5	1.7	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	26	5.	5.473	15.	1.4	7.08	2.661	2.34	4.3	6.4	8.46

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	105	16.8	17.356	28.2	3.9	33.38	5.778	10.18	13.05	22.55	25.2
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	78	7.	8.013	22.	0.	23.	4.796	2.	5.	12.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	87	8.4	8.334	16.1	2.6	5.331	2.309	5.28	6.9	10.	11.32
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	78	8.	8.004	8.4	7.1	0.041	0.203	7.79	7.975	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	78	8.	7.942	8.4	7.1	0.045	0.212	7.79	7.975	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	78	0.01	0.011	0.079	0.004	0.	0.009	0.006	0.008	0.011	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	78	11.	39.91	920.	1.	14535.122	120.562	1.	3.5	25.5	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	78	1.041	1.005	2.964	0.	0.459	0.678	0.	0.527	1.401	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.121								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	100	32.7	31.496	47.2	11.2	23.379	4.835	26.61	29.	34.375	35.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	109	3.	3.073	7.	0.	2.328	1.526	1.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	78	3.55	5.258	29.	0.	25.819	5.081	1.2	2.2	6.275	11.91

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	49	27.6	26.631	29.3	21.3	4.756	2.181	23.	25.1	28.2	28.7
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	39	5.	5.949	25.	0.	25.313	5.031	0.	2.	8.	10.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	35	6.3	6.391	9.4	4.1	1.967	1.403	4.62	5.3	7.3	8.52
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	39	8.	7.992	8.3	7.6	0.034	0.184	7.7	7.8	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	39	8.	7.953	8.3	7.6	0.036	0.188	7.7	7.8	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	39	0.01	0.011	0.025	0.005	0.	0.005	0.006	0.008	0.016	0.02
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	39	8.	10.462	33.	1.	94.255	9.709	2.	4.	13.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	39	0.903	0.847	1.519	0.	0.165	0.407	0.301	0.602	1.114	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.024								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	48	33.35	32.55	38.6	22.9	15.817	3.977	25.78	31.025	35.05	36.77
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	53	3.	3.132	7.	0.	3.155	1.776	1.	2.	4.	5.6
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	39	7.7	8.51	23.	1.	34.193	5.847	2.2	3.8	13.	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

Station Inventory for Station: FOMA0009

NPS Station ID: FOMA0009
LAT/LON: 29.678503/ -81.218671
Agency: 21FLA
Date Created: 08/16/97
Location: Mouth of creek northwest of CM 86
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88101SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	254	21.85	20.348	29.4	3.7	38.95	6.241	10.9	15.5	25.8	28.
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	143	7.	7.601	25.	0.	26.41	5.139	0.	5.	10.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	210	7.9	7.984	16.3	2.6	5.014	2.239	4.81	6.6	9.7	10.9
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	143	8.	8.009	8.5	7.3	0.036	0.19	7.8	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	143	8.	7.963	8.5	7.3	0.038	0.195	7.8	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	143	0.01	0.011	0.05	0.003	0.	0.006	0.006	0.008	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	143	8.	17.86	240.	1.	1123.487	33.518	1.	2.	22.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	143	0.903	0.873	2.38	0.	0.327	0.572	0.	0.301	1.342	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.468								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	241	33.5	32.398	44.3	12.2	19.814	4.451	26.6	30.	35.2	36.68
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	265	7.	6.849	22.	0.	11.697	3.42	3.	5.	9.	11.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	143	4.5	5.798	27.	0.	21.526	4.64	1.64	2.6	7.7	12.

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

EPA Water Quality Criteria Analysis for Station: FOMA0009

				Total	Exceed	Prop.	----------9/15-11/14----------			----------11/15-6/14----------			----------6/15-9/14----------			--------------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.	210	3	0.01	41	0	0.00	118	3	0.03	51	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	143	1	0.01	26	0	0.00	78	1	0.01	39	0	0.00			
		Other-Lo Lim.	6.5	143	0	0.00	26	0	0.00	78	0	0.00	39	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	143	0	0.00	26	0	0.00	78	0	0.00	39	0	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 1990 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	12	21.5	22.058	29.4	14.8	26.49	5.147	14.92	17.975	26.9	29.37
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	6	2.5	3.333	10.	0.	16.667	4.082	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	12	8.2	8.125	10.9	4.7	4.977	2.231	4.7	6.65	10.5	10.9
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	6	8.1	8.1	8.2	8.	0.008	0.089	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	6	8.1	8.092	8.2	8.	0.008	0.09	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	6	0.008	0.008	0.01	0.006	0.	0.002	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	6	7.	5.333	8.	1.	11.467	3.386	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	6	0.845	0.583	0.903	0.	0.204	0.452	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.826								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	12	34.	33.383	36.4	28.5	7.78	2.789	28.62	31.8	35.575	36.37
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	12	6.	5.667	12.	1.	16.242	4.03	1.	1.	8.	12.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	6	2.3	2.933	5.8	1.8	2.315	1.521	**	**	**	**

** - 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

Annual Analysis for 1991 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	24	26.2	24.475	28.6	14.4	18.125	4.257	17.2	21.575	27.875	28.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	12	5.5	5.833	12.	0.	10.152	3.186	0.9	4.	7.75	11.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	18	6.6	6.294	7.9	4.3	1.29	1.136	4.66	5.175	7.175	7.72
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	12	7.95	7.983	8.3	7.7	0.027	0.164	7.73	7.9	8.1	8.24
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	12	7.947	7.956	8.3	7.7	0.028	0.167	7.73	7.9	8.1	8.24
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	12	0.011	0.011	0.02	0.005	0.	0.004	0.006	0.008	0.013	0.019
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	12	4.5	5.083	13.	2.	11.902	3.45	2.	2.	7.	11.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	12	0.651	0.613	1.114	0.301	0.09	0.3	0.301	0.301	0.845	1.051
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.104								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	24	31.35	30.554	35.9	22.3	15.558	3.944	23.9	27.6	33.85	34.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	24	7.	6.917	11.	4.	3.732	1.932	4.	6.	8.	10.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	12	6.65	6.8	12.	3.4	8.191	2.862	3.46	4.25	9.55	11.4

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

Annual Analysis for 1992 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	45	20.6	20.584	28.7	9.3	28.396	5.329	13.	16.	24.95	28.2
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	24	8.	8.917	18.	0.	24.428	4.942	2.5	5.	14.25	16.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	45	8.4	8.196	16.3	4.4	6.071	2.464	5.3	5.95	9.35	10.24
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	24	8.05	8.05	8.2	7.8	0.013	0.114	7.85	8.	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	24	8.047	8.035	8.2	7.8	0.013	0.115	7.85	8.	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	24	0.009	0.009	0.016	0.006	0.	0.003	0.006	0.008	0.01	0.014
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	24	5.	9.708	33.	1.	113.346	10.646	1.	2.	13.75	33.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	24	0.699	0.713	1.519	0.	0.273	0.523	0.	0.301	1.138	1.519
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.166								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	38	34.6	34.274	38.7	22.4	8.612	2.935	31.34	33.025	35.65	38.06
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	46	7.	6.717	13.	1.	6.563	2.562	3.	5.	8.	10.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	24	6.05	7.696	19.	2.	22.602	4.754	2.5	4.425	11.175	16.

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

Annual Analysis for 1993 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	31	19.4	19.574	29.4	10.2	39.966	6.322	10.3	15.5	26.6	27.16
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	17	8.	8.118	20.	0.	26.985	5.195	0.	4.5	11.	16.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	29	9.8	9.4	11.5	6.4	2.646	1.627	6.9	8.1	10.6	11.4
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	17	8.1	8.1	8.5	8.	0.017	0.132	8.	8.	8.2	8.26
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	17	8.1	8.084	8.5	8.	0.018	0.133	8.	8.	8.2	8.26
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	17	0.008	0.008	0.01	0.003	0.	0.002	0.006	0.006	0.01	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	17	8.	16.588	79.	1.	459.132	21.427	1.	2.	29.	55.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	17	0.903	0.848	1.898	0.	0.394	0.628	0.	0.301	1.461	1.732
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.039								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	26	34.6	34.346	38.7	29.6	7.88	2.807	29.67	32.45	36.8	37.77
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	31	7.	6.71	14.	2.	14.213	3.77	2.2	3.	10.	13.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	17	7.8	9.771	27.	2.	44.041	6.636	2.8	5.55	15.	20.6

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

Annual Analysis for 1994 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	53	19.6	19.013	28.8	9.5	40.952	6.399	9.84	13.2	24.45	27.2
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	29	8.	8.241	18.	0.	21.761	4.665	0.	5.	11.	15.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	47	9.1	8.687	11.6	2.9	4.665	2.16	6.18	7.4	10.2	11.44
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	29	8.1	8.048	8.3	7.3	0.058	0.24	7.7	7.95	8.25	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	29	8.1	7.968	8.3	7.3	0.064	0.253	7.7	7.95	8.25	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	29	0.008	0.011	0.05	0.005	0.	0.009	0.005	0.006	0.011	0.02
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	29	11.	24.966	240.	1.	2109.892	45.934	1.	3.	28.	70.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	29	1.041	0.984	2.38	0.	0.379	0.615	0.	0.452	1.44	1.845
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.649								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	52	32.	30.306	37.4	12.2	30.958	5.564	24.15	27.8	34.575	35.2
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	55	7.	8.018	22.	0.	16.611	4.076	4.6	6.	10.	12.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	29	3.7	4.79	15.	1.7	10.509	3.242	1.9	2.75	6.35	8.9

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

Annual Analysis for 1995 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	23	22.1	18.909	26.5	7.	40.111	6.333	8.5	13.1	23.8	25.7
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	19	7.	7.684	25.	0.	45.561	6.75	0.	3.	10.	22.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	8	9.	8.612	11.1	2.6	7.124	2.669	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	19	8.	8.037	8.3	7.8	0.026	0.161	7.8	7.9	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	19	8.	8.009	8.3	7.8	0.027	0.163	7.8	7.9	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	19	0.01	0.01	0.016	0.005	0.	0.004	0.005	0.006	0.013	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	19	5.	11.211	49.	1.	235.509	15.346	1.	2.	13.	49.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	19	0.699	0.712	1.69	0.	0.311	0.558	0.	0.301	1.114	1.69
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.157								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	23	35.1	34.23	39.1	29.3	6.825	2.612	29.94	31.7	35.5	37.3
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	29	7.	7.414	16.	0.	18.18	4.264	1.	5.	9.5	14.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	19	3.7	5.574	24.	1.3	33.665	5.802	1.6	2.4	5.5	16.

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

Annual Analysis for 1996 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	43	24.3	20.926	28.8	3.7	61.696	7.855	8.72	17.3	27.8	28.38
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	24	5.	6.75	22.	0.	25.326	5.033	1.	4.25	10.	13.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	29	5.4	5.683	7.9	4.2	1.006	1.003	4.4	4.8	6.55	6.9
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	24	7.9	7.871	8.2	7.5	0.036	0.19	7.6	7.7	8.075	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	24	7.9	7.831	8.2	7.5	0.038	0.194	7.6	7.7	8.075	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	24	0.013	0.015	0.032	0.006	0.	0.007	0.008	0.008	0.02	0.025
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	24	9.5	23.25	240.	1.	2274.022	47.687	1.5	5.	23.	39.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	24	0.972	1.017	2.38	0.	0.277	0.527	0.151	0.699	1.362	1.591
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.397								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	43	33.7	33.058	44.3	25.2	17.495	4.183	26.76	30.	35.2	36.66
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	45	6.	6.133	14.	0.	9.755	3.123	3.	4.	8.	10.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	24	3.8	4.033	9.8	0.9	6.728	2.594	1.1	2.025	4.775	8.85

** - 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

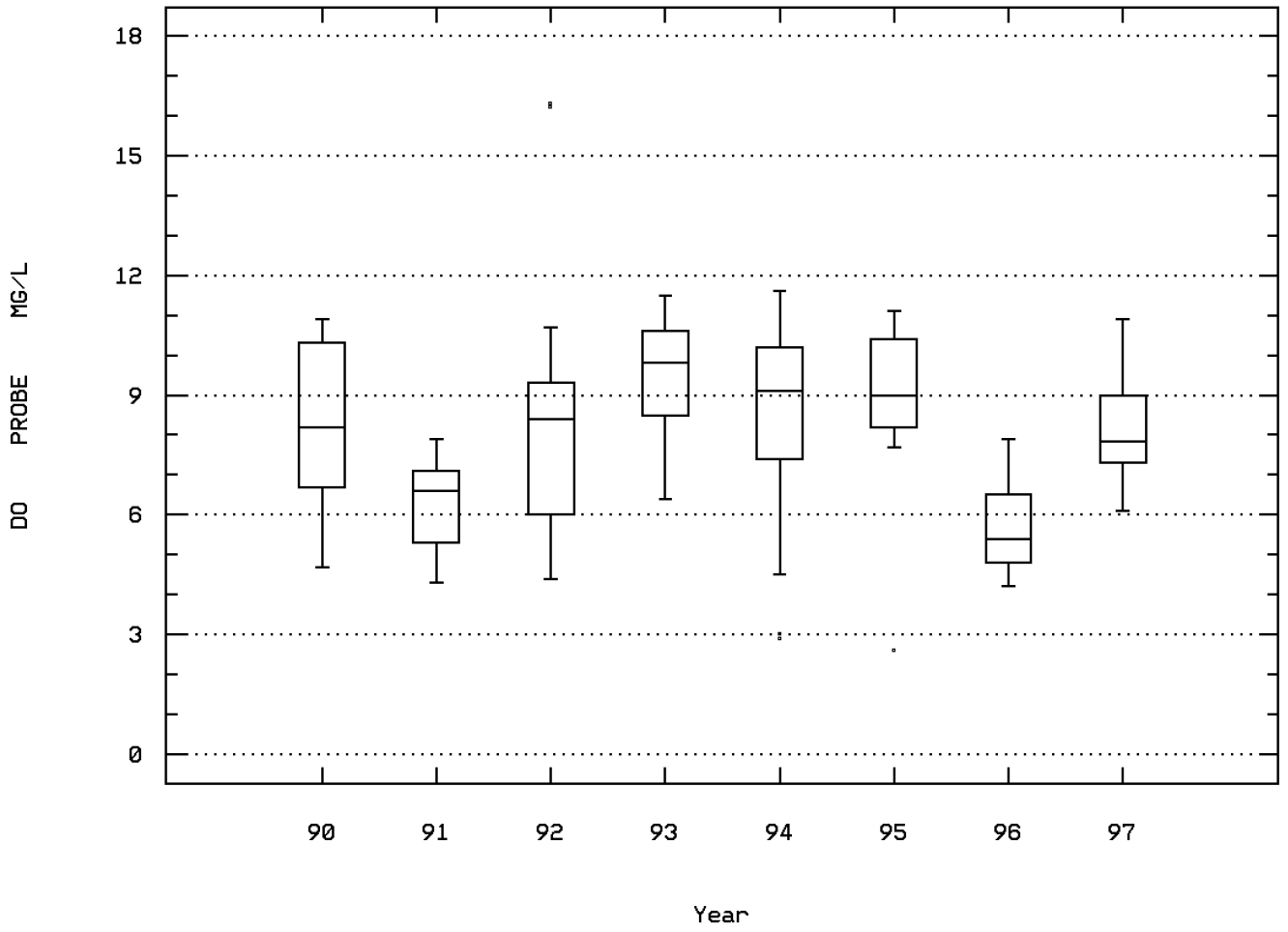
Annual Analysis for 1997 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	23	19.	19.165	27.4	13.7	20.041	4.477	13.8	14.4	22.1	26.2
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	12	7.5	8.167	16.	0.	29.424	5.424	0.6	4.	14.25	15.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	22	7.85	8.291	10.9	6.1	2.074	1.44	6.93	7.275	9.25	10.87
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	12	7.95	7.917	8.1	7.5	0.04	0.199	7.53	7.825	8.1	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	12	7.947	7.869	8.1	7.5	0.042	0.205	7.53	7.825	8.1	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	12	0.011	0.014	0.032	0.008	0.	0.008	0.008	0.008	0.015	0.03
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	12	27.	37.583	170.	1.	1962.083	44.295	2.2	15.25	45.	133.7
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	12	1.427	1.333	2.23	0.	0.307	0.555	0.21	1.171	1.647	2.068
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			21.539								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	23	32.2	30.165	36.4	20.4	25.852	5.085	21.18	24.9	34.1	35.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	23	6.	5.739	10.	2.	5.111	2.261	3.	4.	7.	9.6
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	12	2.5	3.125	8.1	0.	6.237	2.497	0.27	0.975	5.15	7.35

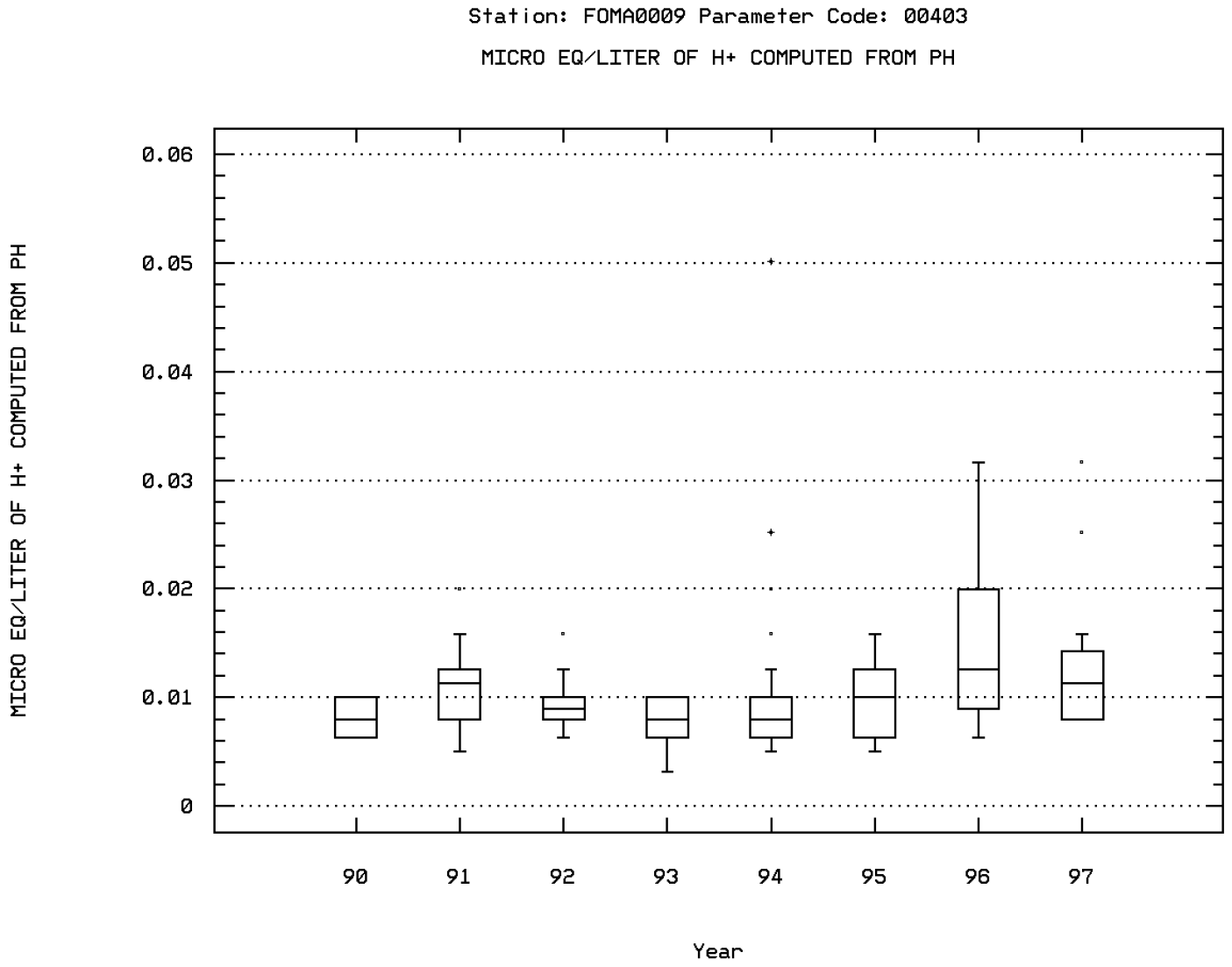
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0009 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



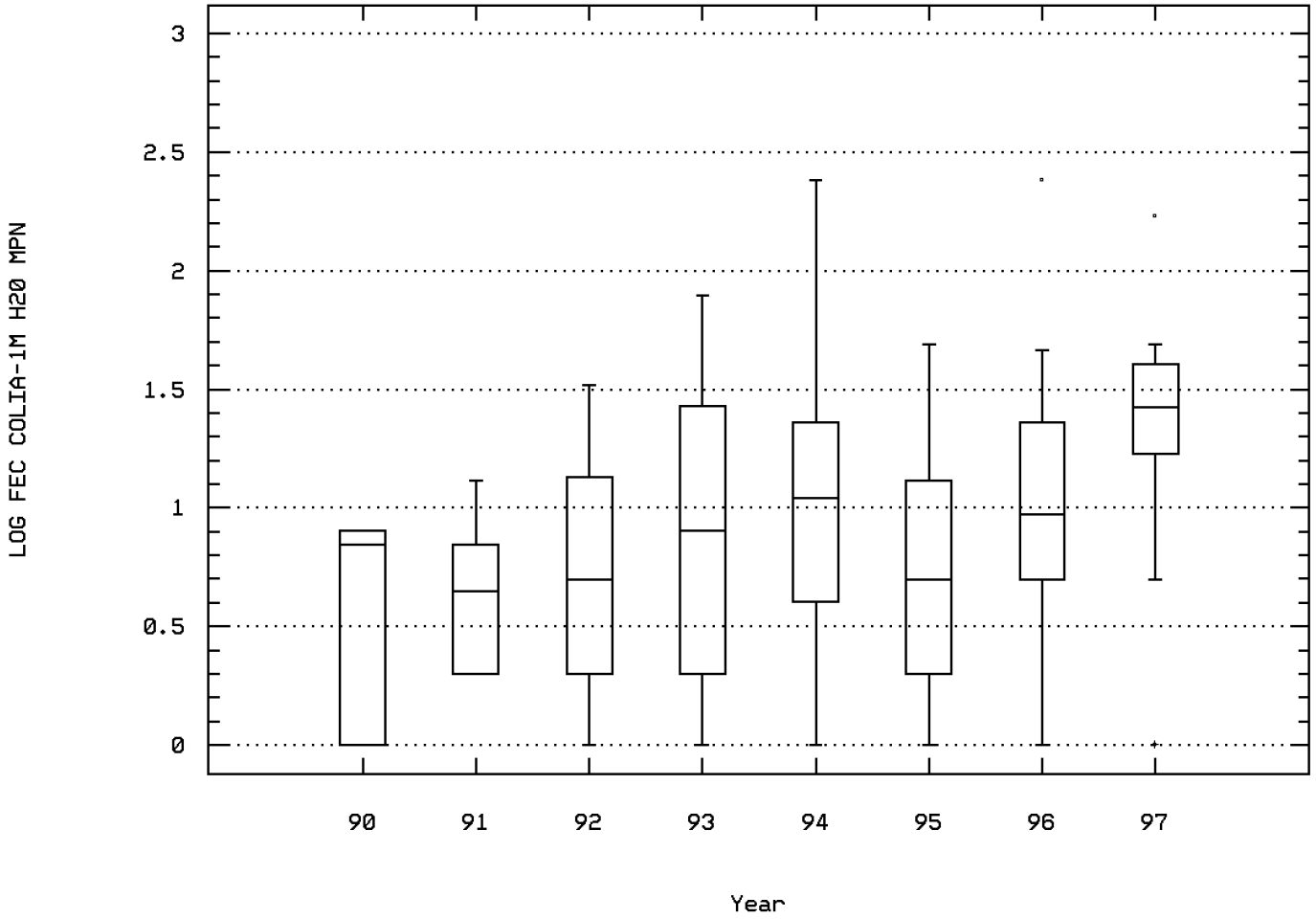
Mouth of creek northwest of CM 86



Mouth of creek northwest of CM 86

Station: FOMA0009 Parameter Code: 31621

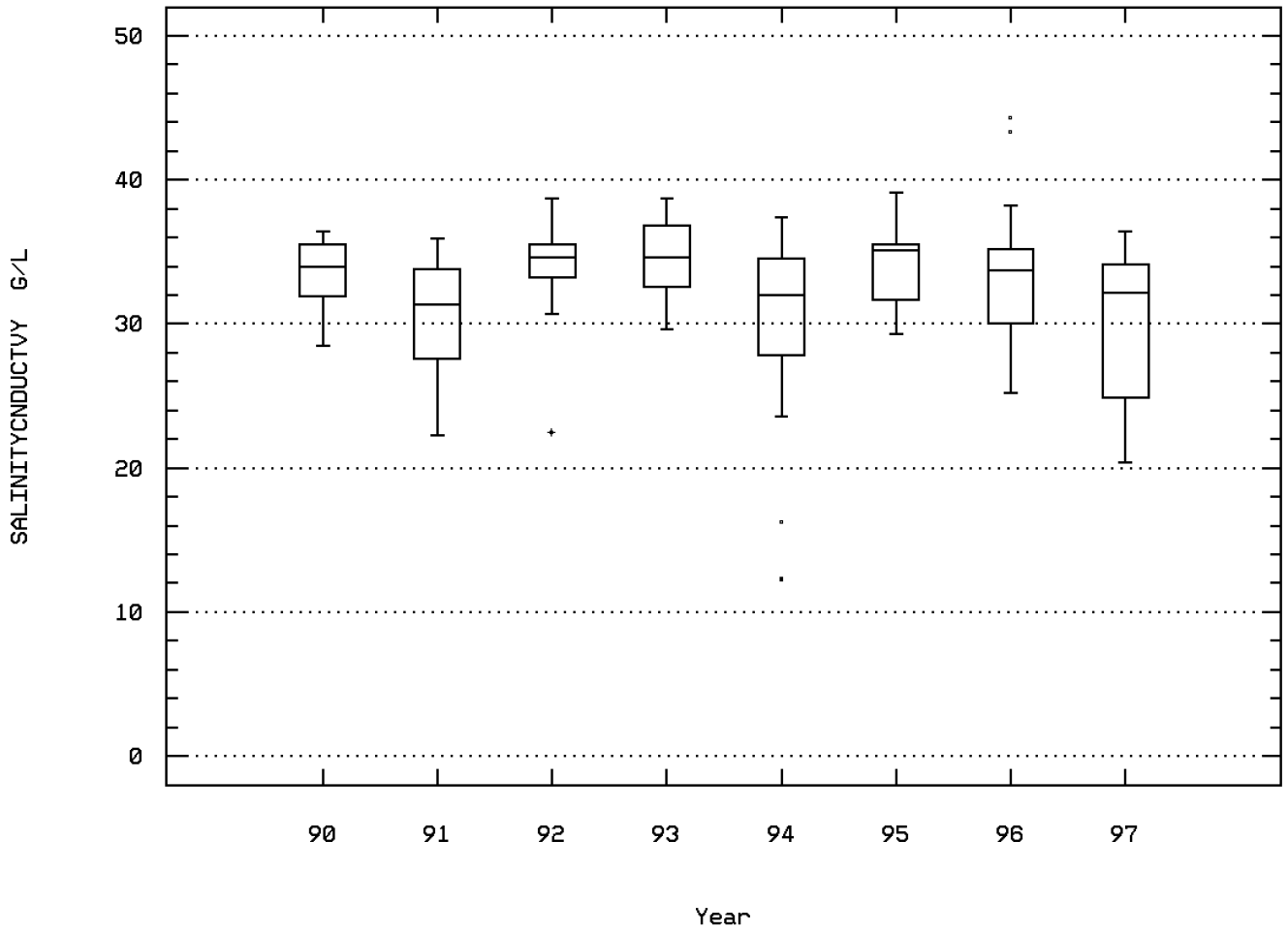
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Mouth of creek northwest of CM 86

Station: FOMA0009 Parameter Code: 70305

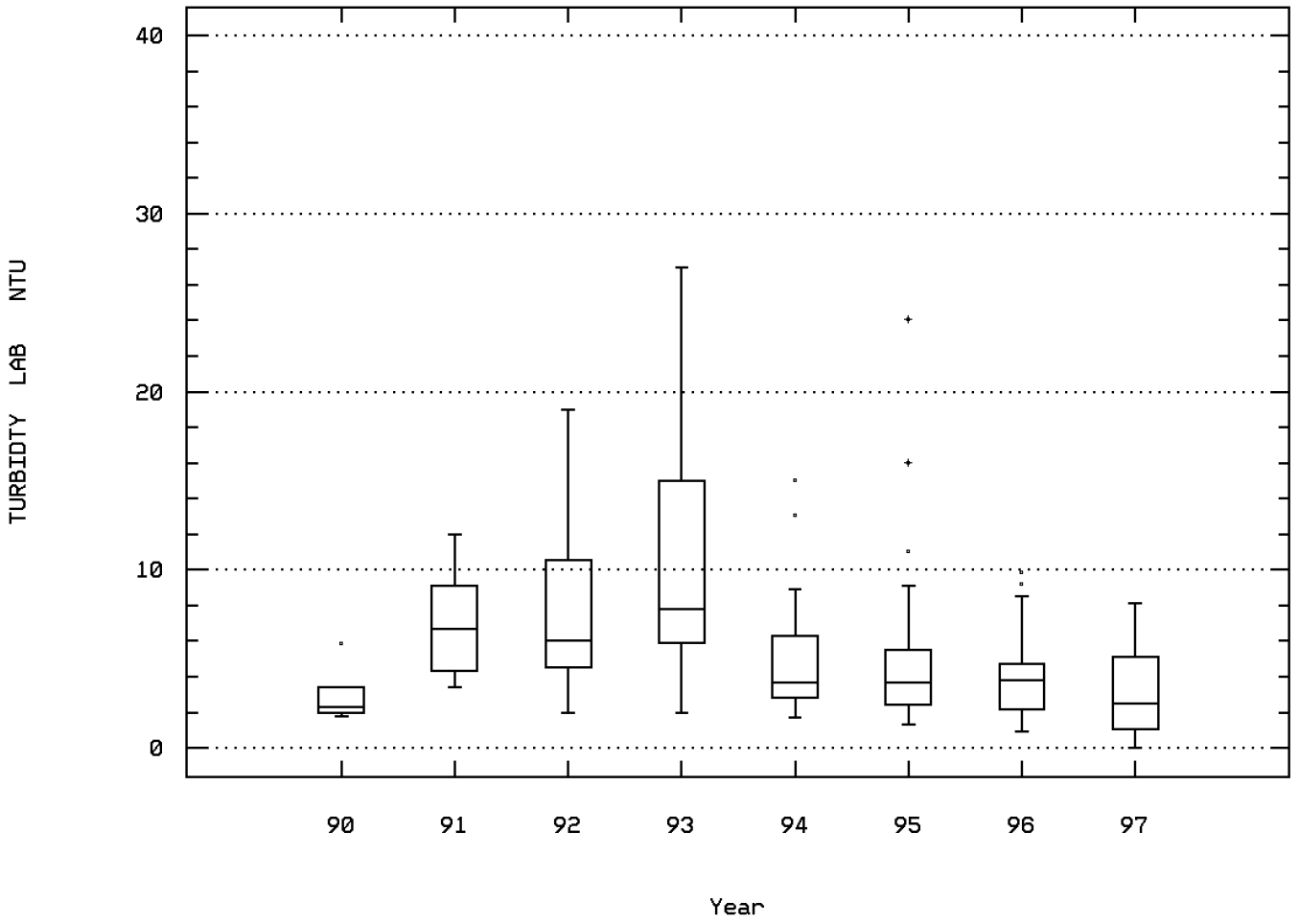
SALINITY BASED ON CONDUCTIVITY



Mouth of creek northwest of CM 86

Station: FOMA0009 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Mouth of creek northwest of CM 86

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	44	22.15	21.6	28.5	15.2	14.149	3.762	15.75	19.	24.375	27.05
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	26	8.	9.115	22.	0.	32.826	5.729	2.1	5.	14.25	16.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	41	8.2	8.093	10.7	4.4	3.098	1.76	5.08	6.75	9.5	10.28
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	26	8.	7.973	8.3	7.5	0.052	0.229	7.6	7.8	8.2	8.23
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	26	8.	7.912	8.3	7.5	0.056	0.237	7.6	7.8	8.2	8.23
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	26	0.01	0.012	0.032	0.005	0.	0.007	0.006	0.006	0.016	0.025
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	26	11.	16.423	49.	1.	190.174	13.79	1.7	5.	33.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	26	1.041	1.	1.69	0.	0.255	0.505	0.211	0.699	1.519	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.996								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	38	32.4	31.742	38.7	22.3	19.967	4.468	23.96	29.6	35.075	36.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	47	7.	6.787	14.	0.	9.823	3.134	2.6	5.	8.	12.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	26	4.55	5.8	15.	1.6	12.908	3.593	2.28	3.625	7.3	12.9

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	142	16.95	17.027	27.5	3.7	33.219	5.764	9.8	12.475	22.175	25.34
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	78	7.	7.987	22.	0.	22.584	4.752	2.	5.	12.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	118	8.7	8.547	16.3	2.6	5.667	2.38	5.29	7.175	10.25	11.12
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	78	8.05	8.026	8.5	7.3	0.034	0.185	7.8	8.	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	78	8.047	7.979	8.5	7.3	0.036	0.191	7.8	8.	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	78	0.009	0.01	0.05	0.003	0.	0.006	0.006	0.008	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	78	8.	23.103	240.	1.	1887.132	43.441	1.	2.	25.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	78	0.903	0.934	2.38	0.	0.373	0.611	0.	0.301	1.394	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.592								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	137	33.5	32.203	44.3	12.2	22.54	4.748	26.6	29.95	35.1	36.4
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	146	7.	7.247	22.	0.	12.877	3.588	3.	5.	9.	12.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	78	3.65	4.713	24.	0.	14.404	3.795	1.3	2.15	6.375	9.2

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	68	27.4	26.472	29.4	20.3	5.628	2.372	22.59	24.725	28.175	28.61
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	39	5.	5.821	25.	0.	26.204	5.119	0.	2.	8.	10.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	51	6.5	6.592	11.6	4.2	2.486	1.577	4.72	5.4	7.7	8.58
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	39	8.	8.	8.3	7.7	0.029	0.172	7.8	7.9	8.1	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	39	8.	7.968	8.3	7.7	0.031	0.175	7.8	7.9	8.1	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	39	0.01	0.011	0.02	0.005	0.	0.004	0.005	0.008	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	39	5.	8.333	49.	1.	98.281	9.914	1.	2.	13.	22.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	39	0.699	0.667	1.69	0.	0.235	0.485	0.	0.301	1.114	1.342
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.645								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	66	34.05	33.179	39.1	23.4	13.684	3.699	27.58	31.1	35.5	37.4
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	72	6.	6.083	16.	0.	9.908	3.148	3.	3.	8.	10.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	39	6.	7.967	27.	1.3	35.516	5.96	2.4	3.4	11.	17.

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

Station Inventory for Station: FOMA0010

NPS Station ID: FOMA0010
LAT/LON: 29.685004/ -81.214170
Agency: 21FLA
Date Created: 08/16/97
Location: Tip of small island east of Rattlesnake Is
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88091SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	188	21.65	20.155	29.1	4.9	38.217	6.182	10.6	15.525	25.2	27.71
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	150	7.	8.08	25.	0.	29.537	5.435	2.	5.	12.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	148	8.2	8.255	16.3	2.	4.141	2.035	5.9	7.	9.6	10.8
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	150	8.1	8.114	8.5	7.5	0.033	0.182	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	150	8.1	8.07	8.5	7.5	0.035	0.187	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	150	0.008	0.009	0.032	0.003	0.	0.005	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	150	5.	17.807	540.	1.	3282.68	57.295	1.	2.	13.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	150	0.699	0.689	2.732	0.	0.372	0.61	0.	0.301	1.114	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.886								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	181	34.8	34.35	47.5	15.	11.881	3.447	30.02	32.85	36.15	37.66
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	202	3.	3.173	12.	0.	3.716	1.928	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	150	4.	5.465	42.	0.	29.101	5.395	1.4	2.4	6.5	11.

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

EPA Water Quality Criteria Analysis for Station: FOMA0010

				Total	Exceed	Prop.	----------9/15-11/14----------			----------11/15-6/14----------			----------6/15-9/14----------			--------------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.	148	3	0.02	29	0	0.00	85	3	0.04	34	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	150	2	0.01	27	0	0.00	83	1	0.01	40	1	0.03			
		Other-Lo Lim.	6.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	0	0.00	27	0	0.00	83	0	0.00	40	0	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 1990 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	8	21.8	22.463	28.7	14.3	28.771	5.364	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	4.5	4.333	10.	0.	11.467	3.386	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	8	7.05	7.1	8.4	6.	0.846	0.92	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.15	8.15	8.2	8.1	0.003	0.055	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.147	8.147	8.2	8.1	0.003	0.055	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.007	0.007	0.008	0.006	0.	0.001	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	2.	2.167	5.	1.	2.167	1.472	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.301	0.267	0.699	0.	0.067	0.258	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			1.849								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	8	35.55	34.812	36.2	32.6	1.724	1.313	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	8	3.	2.875	4.	1.	1.554	1.246	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	2.3	2.5	4.	1.4	0.812	0.901	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1991 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	18	26.7	24.844	28.7	15.7	14.119	3.758	19.66	21.575	27.825	28.52
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	12	5.5	5.833	12.	0.	10.152	3.186	0.9	4.	7.75	11.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	13	7.	6.923	8.2	5.1	1.149	1.072	5.14	6.1	7.8	8.2
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	12	8.1	8.1	8.3	7.8	0.018	0.135	7.86	8.025	8.175	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	12	8.1	8.08	8.3	7.8	0.019	0.136	7.86	8.025	8.175	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	12	0.008	0.008	0.016	0.005	0.	0.003	0.005	0.007	0.009	0.014
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	12	2.	4.25	23.	1.	38.932	6.24	1.	1.25	4.25	18.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	12	0.301	0.397	1.362	0.	0.164	0.405	0.	0.075	0.599	1.224
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.497								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	18	34.15	34.067	36.3	27.3	4.84	2.2	30.9	33.4	35.9	36.21
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	18	4.	3.833	6.	1.	2.971	1.724	1.9	2.	5.25	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	12	5.	5.333	13.	2.4	8.812	2.968	2.46	2.875	5.75	11.65

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

Annual Analysis for 1992 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	28	19.9	19.768	28.4	12.1	22.702	4.765	12.99	16.075	23.2	26.78
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	24	8.	9.	18.	0.	23.565	4.854	3.5	5.	14.25	16.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	28	8.5	8.925	16.3	5.6	4.459	2.112	6.81	7.575	10.275	10.88
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	24	8.2	8.163	8.4	7.9	0.019	0.138	7.95	8.1	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	24	8.2	8.142	8.4	7.9	0.019	0.139	7.95	8.1	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	24	0.006	0.007	0.013	0.004	0.	0.002	0.004	0.006	0.008	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	24	2.	7.417	49.	1.	133.645	11.56	1.	1.	11.	25.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	24	0.301	0.494	1.69	0.	0.301	0.548	0.	0.	1.01	1.397
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.116								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	25	36.1	35.576	39.3	28.2	6.385	2.527	32.38	34.	37.3	38.98
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	29	2.	3.034	6.	1.	2.392	1.546	2.	2.	4.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	24	6.05	7.95	24.	2.4	33.876	5.82	2.55	3.7	11.	19.

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

Annual Analysis for 1993 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	23	19.9	20.261	29.	9.8	42.095	6.488	10.1	16.3	26.5	28.22
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	8.	8.235	20.	0.	27.691	5.262	0.	4.5	12.	16.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	21	9.2	9.476	11.8	6.3	2.227	1.492	7.7	8.55	10.85	11.64
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.2	8.188	8.5	8.	0.012	0.111	8.08	8.1	8.2	8.34
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.2	8.176	8.5	8.	0.013	0.112	8.08	8.1	8.2	8.34
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.006	0.007	0.01	0.003	0.	0.002	0.005	0.006	0.008	0.008
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	2.	7.941	33.	1.	116.184	10.779	1.	1.5	9.	33.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.301	0.58	1.519	0.	0.275	0.525	0.	0.151	0.943	1.519
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.806								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	20	35.55	35.64	38.4	32.5	3.308	1.819	33.	34.55	37.4	38.15
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	23	3.	3.043	6.	1.	3.043	1.745	1.	2.	5.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	6.5	8.465	42.	2.2	81.719	9.04	2.52	4.55	9.	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 1994 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	37	19.7	18.789	28.5	9.7	35.15	5.929	10.46	12.8	23.7	27.1
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	8.	8.621	18.	0.	21.458	4.632	3.	5.	12.	15.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	33	9.1	8.836	12.6	2.9	5.616	2.37	5.68	7.5	10.3	11.78
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.2	8.197	8.5	7.5	0.036	0.19	8.	8.1	8.3	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.2	8.144	8.5	7.5	0.039	0.197	8.	8.1	8.3	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.006	0.007	0.032	0.003	0.	0.005	0.004	0.005	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	5.	20.621	240.	1.	2101.172	45.839	1.	1.5	24.	49.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	0.699	0.792	2.38	0.	0.425	0.652	0.	0.151	1.379	1.69
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.197								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	36	33.55	32.792	39.9	15.	19.368	4.401	28.25	31.125	34.675	38.03
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	39	3.	2.872	6.	0.	2.746	1.657	1.	2.	4.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	4.3	4.759	17.	1.1	10.26	3.203	1.8	2.45	6.4	8.

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

Annual Analysis for 1995 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	17	23.	19.576	26.	7.5	37.386	6.114	10.06	12.85	23.6	25.92
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	20	7.	8.4	25.	0.	53.411	7.308	0.	3.5	11.5	22.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	4	8.35	7.125	9.8	2.	13.023	3.609	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	20	8.2	8.195	8.4	8.	0.013	0.115	8.01	8.1	8.3	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	20	8.2	8.181	8.4	8.	0.013	0.116	8.01	8.1	8.3	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	20	0.006	0.007	0.01	0.004	0.	0.002	0.005	0.005	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	20	5.	34.45	540.	1.	14209.313	119.203	1.1	2.	16.	22.9
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	20	0.699	0.806	2.732	0.	0.384	0.619	0.03	0.301	1.201	1.36
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.401								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	17	35.6	35.418	40.2	30.	6.773	2.602	30.16	34.7	36.05	40.2
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	25	3.	2.52	5.	0.	2.593	1.61	0.	1.5	3.5	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	20	3.55	5.965	29.	1.	47.296	6.877	1.02	1.9	8.25	15.7

** - 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 1996 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	36	21.35	19.386	29.1	4.9	66.135	8.132	8.33	10.75	27.35	28.23
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	28	5.	8.143	25.	0.	40.72	6.381	2.	5.	11.5	20.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	21	6.4	6.514	8.4	5.4	0.597	0.773	5.54	5.9	7.15	7.56
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	28	8.	7.989	8.2	7.6	0.023	0.152	7.8	7.9	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	28	8.	7.962	8.2	7.6	0.024	0.155	7.8	7.9	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	28	0.01	0.011	0.025	0.006	0.	0.004	0.006	0.008	0.013	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	28	6.5	16.143	170.	1.	1053.016	32.45	1.	1.	21.5	34.6
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	28	0.801	0.74	2.23	0.	0.417	0.646	0.	0.	1.329	1.536
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.496								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	36	35.5	35.119	47.5	28.9	15.707	3.963	30.1	31.925	36.575	38.13
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	39	3.	3.667	12.	0.	7.965	2.822	1.	2.	6.	7.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	28	2.55	3.943	18.8	0.9	13.824	3.718	1.	1.5	5.05	7.55

** - 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

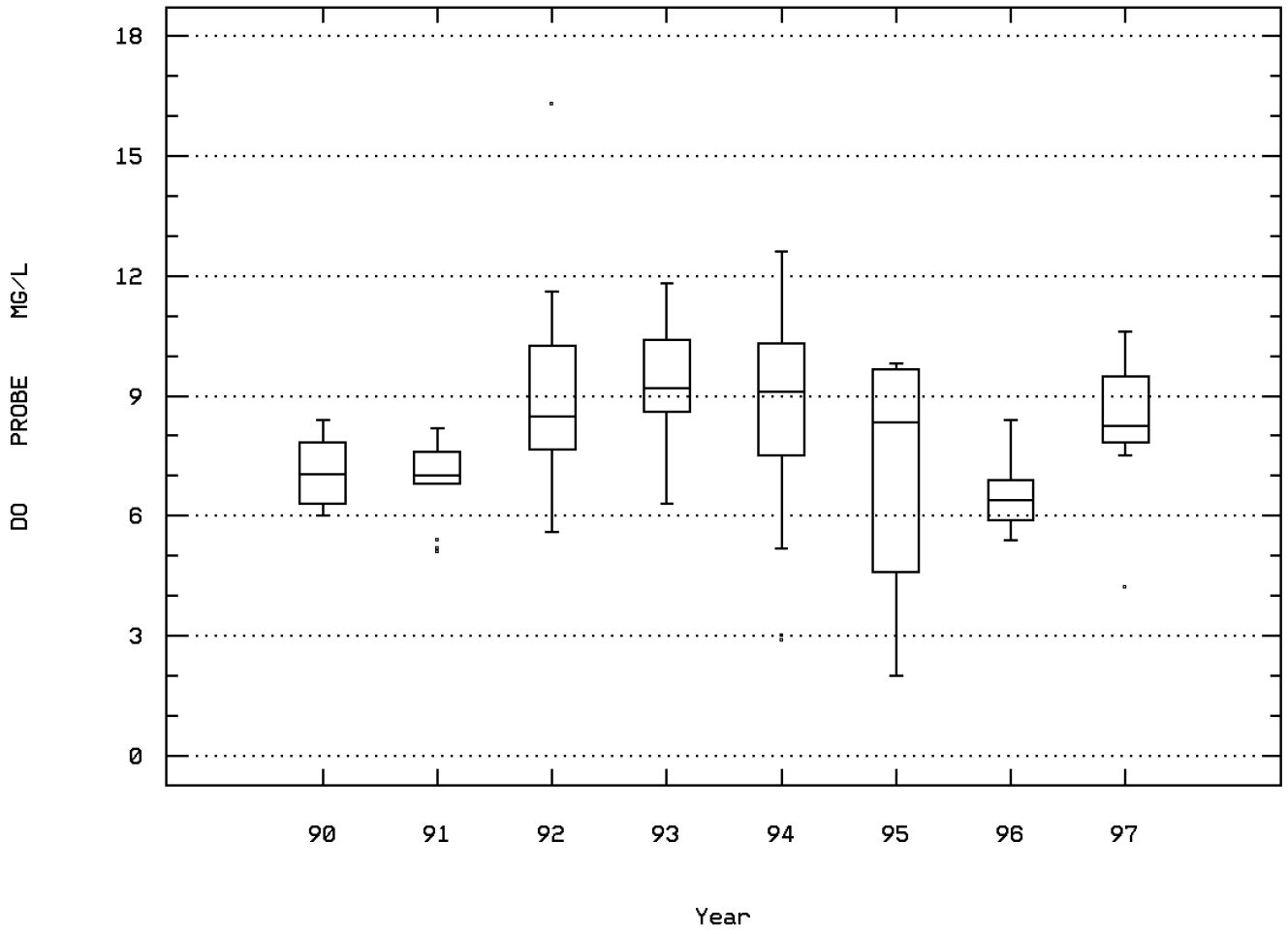
Annual Analysis for 1997 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	21	19.4	19.852	28.	13.3	22.353	4.728	13.66	15.35	24.3	27.06
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	7.5	8.143	16.	0.	27.363	5.231	1.	4.	12.75	15.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	20	8.25	8.455	10.6	4.2	1.849	1.36	7.51	7.825	9.5	10.07
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	8.	7.9	8.2	7.5	0.048	0.218	7.5	7.75	8.	8.15
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	8.	7.843	8.2	7.5	0.051	0.226	7.5	7.75	8.	8.15
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.01	0.014	0.032	0.006	0.	0.009	0.007	0.01	0.018	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	13.	39.643	350.	1.	8158.863	90.326	1.5	4.75	25.5	199.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	1.114	1.103	2.544	0.	0.401	0.633	0.151	0.675	1.401	2.117
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			12.675								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	21	32.7	32.219	36.5	26.1	9.731	3.119	27.02	29.9	34.7	36.3
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	21	3.	3.476	6.	1.	2.362	1.537	2.	2.	4.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	2.1	2.736	6.7	0.	3.578	1.892	0.6	1.4	4.05	6.05

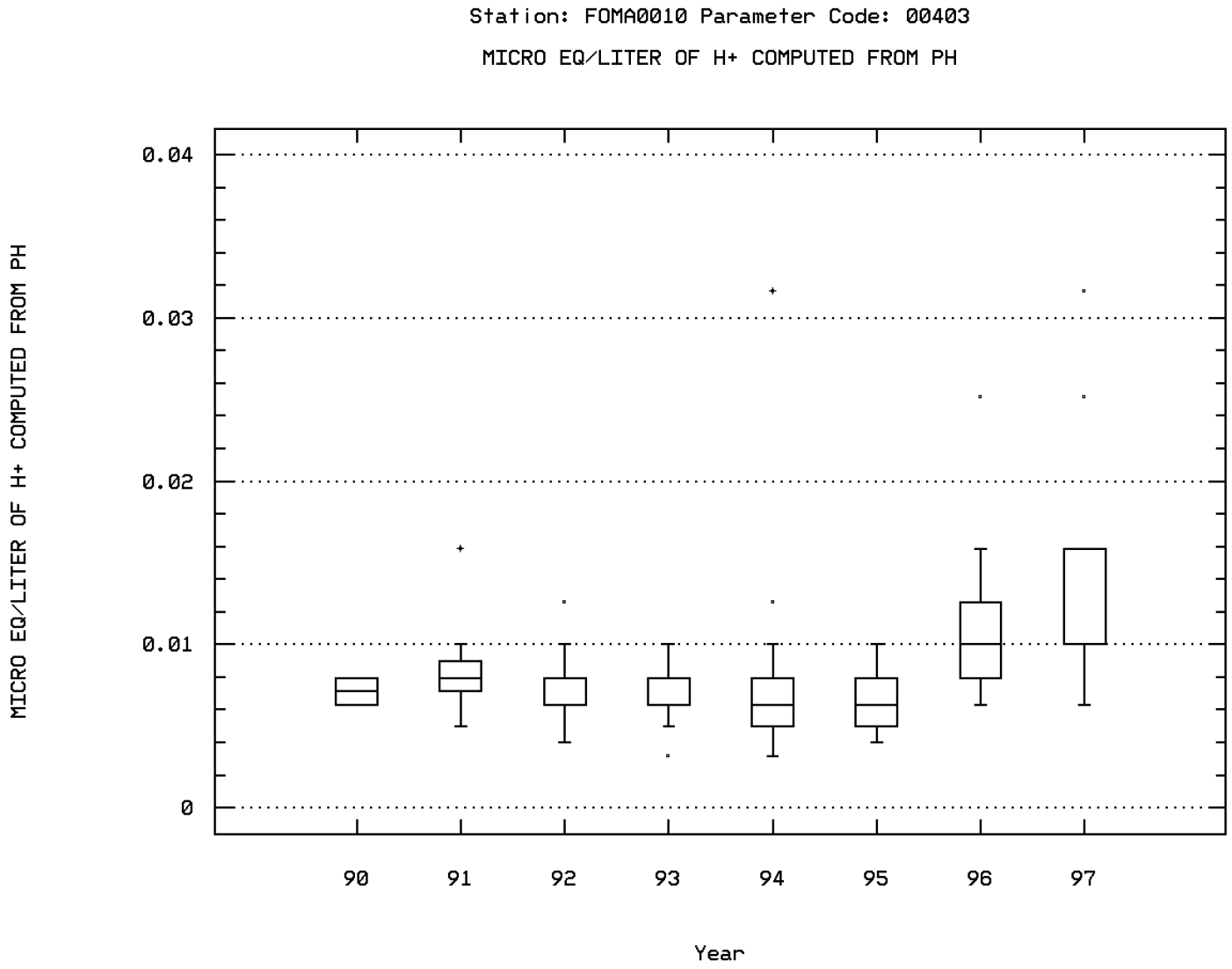
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0010 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



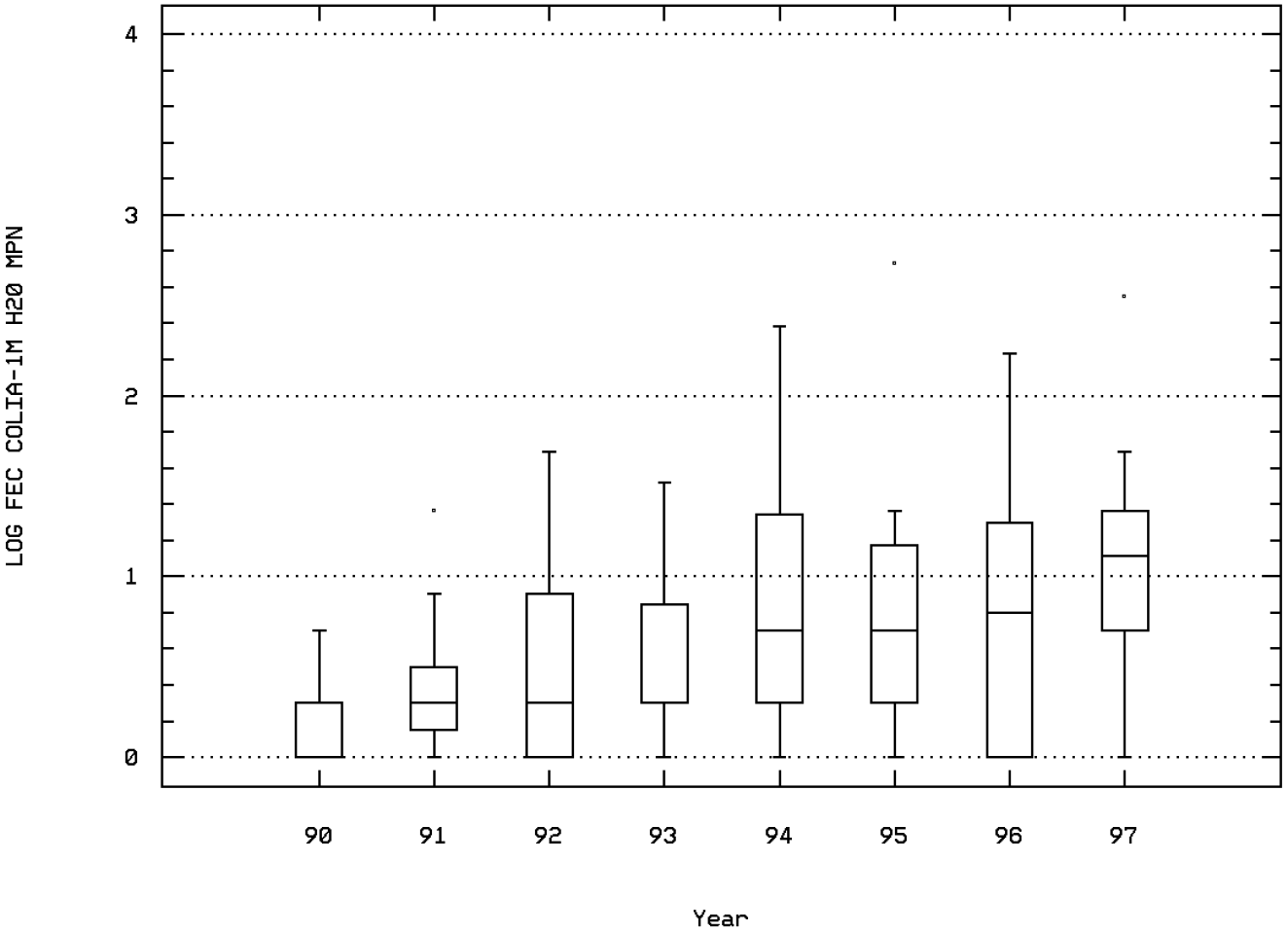
Tip of small island east of Rattlesnake



Tip of small island east of Rattlesnake

Station: FOMA0010 Parameter Code: 31621

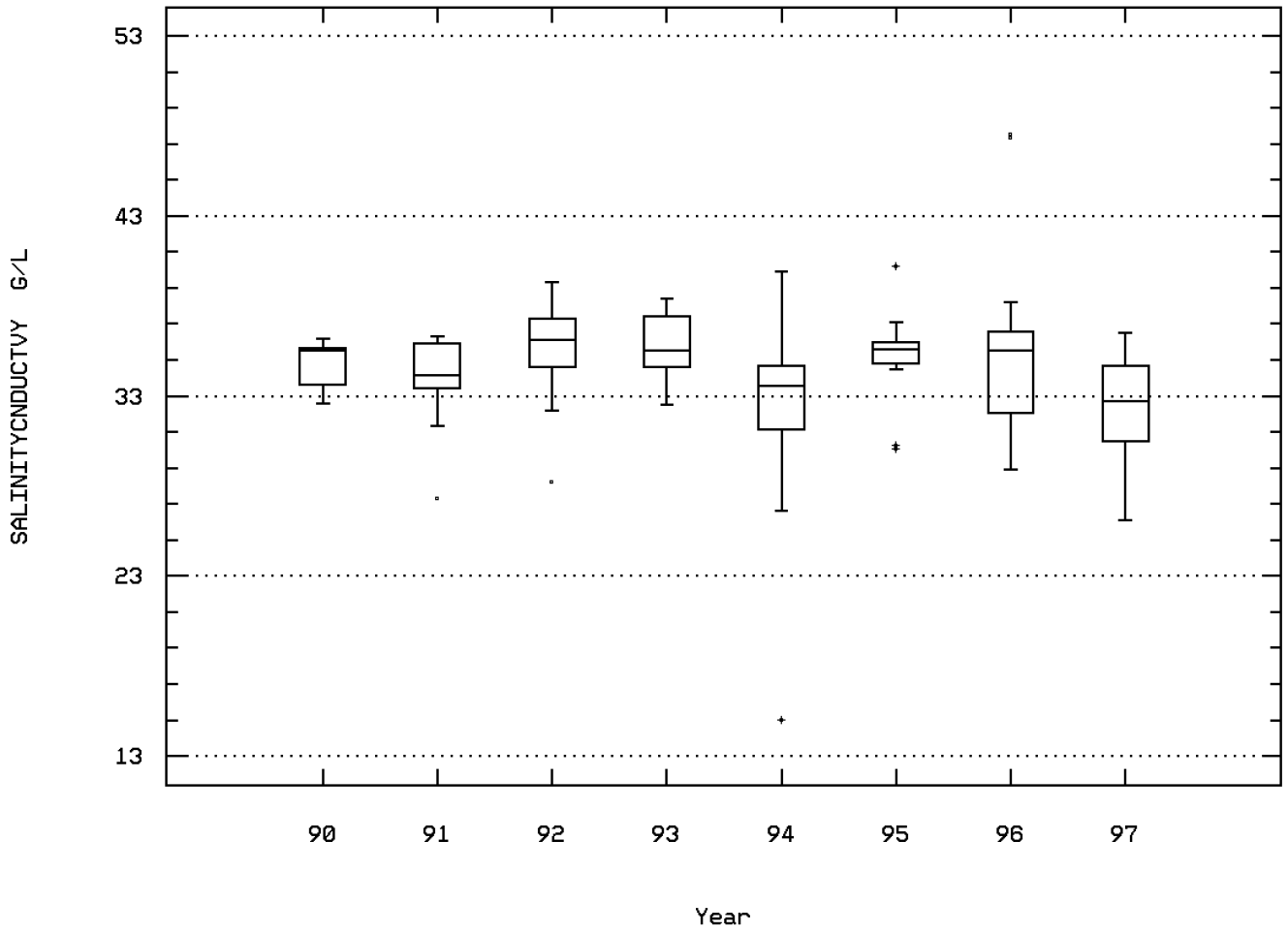
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Tip of small island east of Rattlesnake

Station: FOMA0010 Parameter Code: 70305

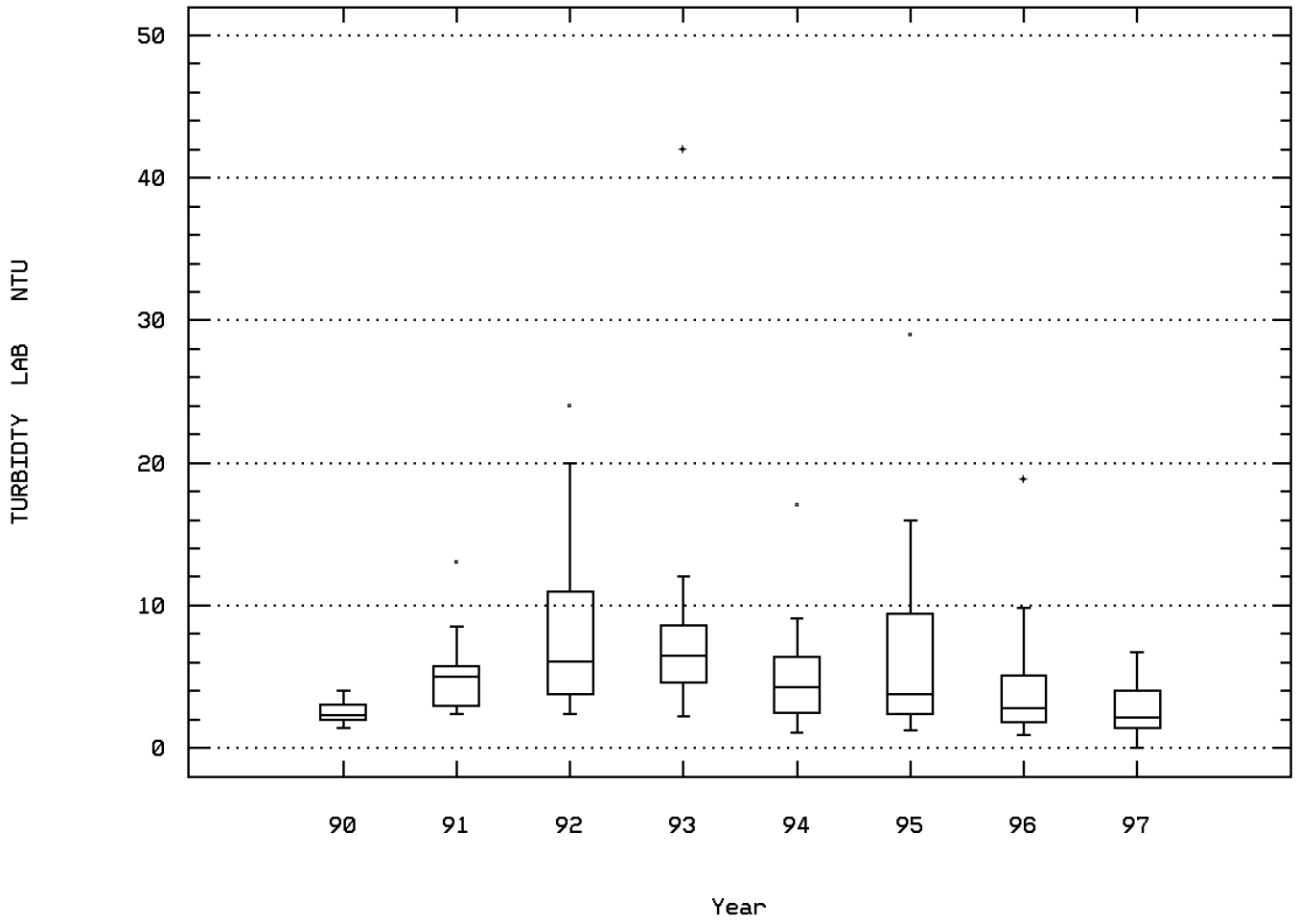
SALINITY BASED ON CONDUCTIVITY



Tip of small island east of Rattlesnake

Station: FOMA0010 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Tip of small island east of Rattlesnake

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	30	21.95	21.797	28.4	15.7	10.436	3.231	17.52	19.4	24.1	26.9
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	27	8.	9.852	25.	0.	39.9	6.317	2.4	5.	15.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	29	8.2	8.228	11.6	5.5	2.778	1.667	5.9	7.15	9.2	11.3
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	27	8.2	8.1	8.4	7.8	0.026	0.162	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	27	8.2	8.07	8.4	7.8	0.027	0.165	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	27	0.006	0.009	0.016	0.004	0.	0.003	0.005	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	27	8.	13.222	49.	1.	197.949	14.069	1.	2.	17.	36.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	27	0.903	0.855	1.69	0.	0.284	0.533	0.	0.301	1.23	1.553
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.156								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	26	35.15	34.754	39.9	27.3	11.795	3.434	29.59	32.5	37.675	39.34
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	35	3.	3.286	7.	0.	4.21	2.052	0.6	2.	4.	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	27	4.3	5.678	24.	1.	28.887	5.375	1.8	2.4	5.6	13.12

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	110	17.1	16.992	28.4	4.9	32.808	5.728	9.81	11.575	22.15	24.89
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	83	8.	8.446	25.	0.	25.811	5.08	2.4	5.	12.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	85	8.4	8.618	16.3	2.	4.842	2.2	6.4	7.45	10.15	11.34
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	83	8.1	8.1	8.5	7.5	0.033	0.182	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	83	8.1	8.054	8.5	7.5	0.035	0.188	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	83	0.008	0.009	0.032	0.003	0.	0.005	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	83	5.	18.614	350.	1.	2473.167	49.731	1.	2.	17.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	83	0.699	0.707	2.544	0.	0.399	0.632	0.	0.301	1.23	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.091								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	108	34.5	33.927	47.5	15.	13.118	3.622	29.66	32.525	35.6	36.81
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	115	3.	3.261	12.	0.	3.966	1.992	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	83	3.6	5.381	42.	0.	36.774	6.064	1.4	2.2	6.5	9.92

** - Less than 9 observations ## - Computed with 50% or more 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: 6/15 to 9/14 - Station FOMA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	48	27.05	26.379	29.1	21.5	4.828	2.197	22.96	24.025	28.15	28.7
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	40	5.	6.125	25.	0.	25.599	5.06	0.	3.25	8.	13.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	34	7.	7.371	11.5	4.2	2.62	1.619	5.55	6.225	8.6	9.35
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	40	8.2	8.153	8.5	7.6	0.037	0.192	7.9	8.	8.3	8.39
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	40	8.2	8.107	8.5	7.6	0.039	0.198	7.9	8.	8.3	8.39
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	40	0.006	0.008	0.025	0.003	0.	0.004	0.004	0.005	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	40	2.	19.225	540.	1.	7191.563	84.803	1.	1.	6.5	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	40	0.301	0.54	2.732	0.	0.35	0.591	0.	0.	0.809	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.468								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	47	35.7	35.1	40.2	26.1	8.479	2.912	30.7	34.1	36.3	37.76
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	52	2.5	2.904	7.	0.	2.873	1.695	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	40	4.95	5.495	18.	0.9	14.556	3.815	1.4	2.45	6.725	11.9

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

Station Inventory for Station: FOMA0011

NPS Station ID: FOMA0011
LAT/LON: 29.687003/ -81.219170
Agency: 21FLA
Date Created: 08/16/97
Location: Mouth of creek southwest of CM 85
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88081SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	174	23.2	21.63	32.1	5.4	37.955	6.161	12.35	16.45	27.225	28.85
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	142	8.	9.275	25.	0.	30.541	5.526	4.	5.75	12.	16.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	145	7.7	8.012	17.8	2.1	6.241	2.498	5.3	6.4	9.3	11.3
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	142	8.1	8.048	8.4	7.4	0.039	0.197	7.8	7.9	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	142	8.1	7.998	8.4	7.4	0.041	0.204	7.8	7.9	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	142	0.008	0.01	0.04	0.004	0.	0.006	0.005	0.006	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	142	5.	31.859	1500.	1.	18265.328	135.149	1.	2.	23.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	142	0.699	0.855	3.176	0.	0.414	0.644	0.	0.301	1.362	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.164								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	164	33.	32.56	46.9	13.2	18.472	4.298	27.05	30.5	35.275	36.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	187	3.	2.642	8.	0.	1.887	1.374	1.	2.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	142	5.15	6.897	49.	0.	44.781	6.692	1.6	2.675	8.125	15.

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

EPA Water Quality Criteria Analysis for Station: FOMA0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	145	5	0.03	29	1	0.03	81	3	0.04	35	1	0.03			
00403	PH, LAB	Marine Chronic	8.5	142	0	0.00	26	0	0.00	77	0	0.00	39	0	0.00			
		Other-Lo Lim.	6.5	142	0	0.00	26	0	0.00	77	0	0.00	39	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	142	0	0.00	26	0	0.00	77	0	0.00	39	0	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 1990 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	7	25.	24.4	29.5	17.9	22.88	4.783	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	6	7.	5.833	10.	0.	11.767	3.43	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	7	7.3	7.429	10.1	6.4	1.579	1.257	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	6	8.1	8.083	8.2	7.9	0.018	0.133	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	6	8.089	8.066	8.2	7.9	0.018	0.134	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	6	0.008	0.009	0.013	0.006	0.	0.003	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	6	6.5	12.5	33.	1.	159.1	12.613	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	6	0.801	0.864	1.519	0.	0.296	0.544	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.304								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	7	35.3	33.186	35.7	28.	10.061	3.172	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	7	2.	2.286	4.	1.	1.571	1.254	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	6	4.1	3.9	5.6	2.	2.54	1.594	**	**	**	**

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

Annual Analysis for 1991 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	20	27.55	25.785	30.1	16.5	14.373	3.791	17.44	23.925	28.475	29.09
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	12	8.	8.25	17.	0.	19.114	4.372	1.5	5.25	11.5	15.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	12	6.35	6.625	8.3	4.5	1.775	1.332	4.71	5.525	7.95	8.27
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	12	8.	8.042	8.4	7.8	0.023	0.151	7.83	8.	8.1	8.34
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	12	8.	8.02	8.4	7.8	0.023	0.152	7.83	8.	8.1	8.34
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	12	0.01	0.01	0.016	0.004	0.	0.003	0.005	0.008	0.01	0.015
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	12	5.	19.667	130.	1.	1306.788	36.15	1.3	2.	21.5	100.9
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	12	0.699	0.856	2.114	0.	0.38	0.617	0.09	0.301	1.329	1.935
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.17								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	20	32.95	31.775	35.9	24.4	12.442	3.527	25.29	29.45	34.575	35.71
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	20	3.5	3.6	8.	1.	3.2	1.789	1.1	3.	4.	7.6
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	12	8.1	9.967	30.	2.	49.795	7.057	3.02	5.9	11.5	25.2

** - 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 1992 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	26	21.1	20.981	32.1	12.5	30.246	5.5	13.54	16.975	24.85	28.24
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	23	8.	8.913	20.	0.	31.719	5.632	2.	5.	12.	19.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	26	8.35	8.592	15.8	4.	7.186	2.681	5.31	6.475	10.7	12.13
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	23	8.1	8.083	8.4	7.7	0.033	0.183	7.9	7.9	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	23	8.1	8.047	8.4	7.7	0.035	0.186	7.9	7.9	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	23	0.008	0.009	0.02	0.004	0.	0.004	0.004	0.006	0.013	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	23	5.	9.609	79.	1.	278.522	16.689	1.	2.	8.	26.6
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	23	0.699	0.673	1.898	0.	0.236	0.485	0.	0.301	0.903	1.403
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.71								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	23	34.7	34.287	39.2	26.	11.352	3.369	29.3	32.7	36.4	38.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	27	2.	2.407	4.	1.	1.558	1.248	1.	1.	4.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	23	7.1	9.443	22.	1.6	41.457	6.439	1.94	4.4	14.8	20.8

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

Annual Analysis for 1993 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	20	21.75	21.435	29.7	10.4	40.043	6.328	11.5	16.575	27.425	29.29
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	17	10.	10.294	20.	4.	22.471	4.74	4.	6.5	14.5	16.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	19	9.	9.437	12.8	6.	5.062	2.25	6.7	7.6	12.2	12.6
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	17	8.2	8.124	8.3	7.8	0.022	0.148	7.88	8.	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	17	8.2	8.098	8.3	7.8	0.023	0.15	7.88	8.	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	17	0.006	0.008	0.016	0.005	0.	0.003	0.005	0.006	0.01	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	17	5.	24.941	240.	1.	3728.309	61.06	1.	2.	8.	136.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	17	0.699	0.77	2.38	0.	0.405	0.636	0.	0.301	0.903	2.109
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.888								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	17	35.7	34.718	37.5	31.5	3.184	1.784	32.14	32.75	36.	36.38
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	20	2.	2.05	3.	1.	0.576	0.759	1.	1.25	3.	3.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	17	6.5	10.865	29.	1.6	74.875	8.653	2.32	4.5	16.	28.2

** - 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 1994 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	38	21.55	19.892	30.	9.9	44.041	6.636	10.58	12.575	25.75	28.51
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	29	10.	10.345	20.	0.	24.02	4.901	5.	6.5	15.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	35	8.6	9.023	17.8	3.2	8.817	2.969	5.9	7.5	10.5	14.22
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	29	8.1	8.093	8.4	7.4	0.046	0.214	7.8	7.95	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	29	8.1	8.031	8.4	7.4	0.05	0.223	7.8	7.95	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	29	0.008	0.009	0.04	0.004	0.	0.007	0.004	0.006	0.011	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	29	13.	43.448	540.	1.	9975.328	99.877	1.	5.	45.	79.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	29	1.114	1.137	2.732	0.	0.463	0.68	0.	0.699	1.653	1.898
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			13.699								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	35	32.4	30.983	39.9	13.2	32.104	5.666	23.84	28.2	34.4	36.78
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	40	3.	2.55	6.	0.	1.485	1.218	1.	2.	3.	3.9
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	29	5.	4.897	13.	0.6	6.32	2.514	2.1	2.9	6.1	8.3

** - 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 1995 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	13	23.6	20.338	26.9	8.9	41.176	6.417	9.78	14.5	25.85	26.86
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	19	8.	9.421	25.	0.	46.035	6.785	0.	5.	10.	25.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	5	5.3	5.42	7.7	2.1	4.727	2.174	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	19	8.1	8.095	8.3	7.7	0.025	0.158	7.9	8.	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	19	8.1	8.065	8.3	7.7	0.026	0.161	7.9	8.	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	19	0.008	0.009	0.02	0.005	0.	0.004	0.005	0.006	0.01	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	19	5.	14.263	49.	1.	323.094	17.975	1.	2.	27.	49.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	19	0.699	0.748	1.69	0.	0.412	0.642	0.	0.301	1.431	1.69
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.591								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	13	33.9	33.115	36.6	29.4	5.856	2.42	29.52	30.4	35.05	36.12
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	21	2.	2.619	6.	0.	3.348	1.83	0.	1.5	4.	5.8
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	19	3.7	7.637	49.	1.6	117.462	10.838	1.8	2.2	8.1	16.

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

Annual Analysis for 1996 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	30	25.45	22.713	30.9	5.4	50.274	7.09	11.58	18.35	28.3	29.
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	24	7.	8.875	25.	0.	40.984	6.402	0.	5.	12.	18.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	22	6.35	6.382	8.3	4.1	1.044	1.022	5.13	5.575	7.05	7.96
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	24	7.95	7.929	8.3	7.5	0.045	0.212	7.6	7.8	8.1	8.15
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	24	7.947	7.878	8.3	7.5	0.047	0.218	7.6	7.8	8.1	8.15
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	24	0.011	0.013	0.032	0.005	0.	0.007	0.007	0.008	0.016	0.025
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	24	5.	74.625	1500.	1.	92687.81	304.447	1.5	2.	11.75	79.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	24	0.699	0.779	3.176	0.	0.549	0.741	0.151	0.301	1.061	1.898
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.012								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	29	33.4	33.29	46.9	26.5	21.121	4.596	28.2	30.	34.6	36.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	32	2.5	2.5	5.	0.	1.677	1.295	1.	2.	3.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	24	3.5	4.55	12.	0.7	11.704	3.421	1.1	1.525	6.975	10.25

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

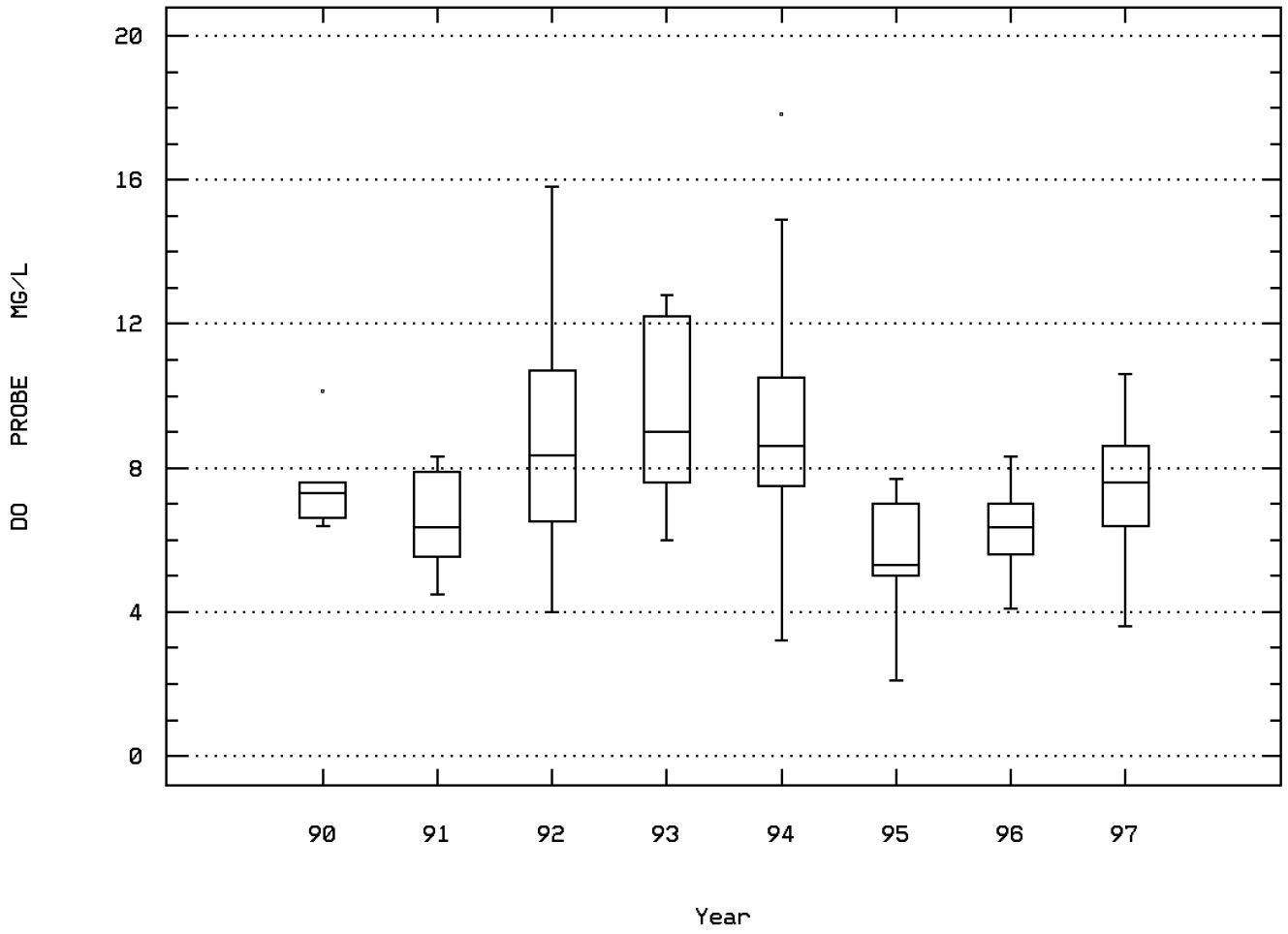
Annual Analysis for 1997 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	20	20.5	20.06	28.2	14.3	22.407	4.734	14.5	15.6	24.05	27.67
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	12	7.5	9.25	20.	0.	35.841	5.987	1.2	5.	15.	18.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	19	7.6	7.595	10.6	3.6	3.022	1.738	5.5	6.4	8.6	10.1
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	12	8.	7.917	8.1	7.4	0.049	0.221	7.46	7.825	8.1	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	12	8.	7.855	8.1	7.4	0.053	0.23	7.46	7.825	8.1	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	12	0.01	0.014	0.04	0.008	0.	0.009	0.008	0.008	0.015	0.035
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	12	9.5	20.5	70.	1.	551.182	23.477	1.3	2.	44.5	63.7
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	12	0.972	0.963	1.845	0.	0.401	0.633	0.09	0.301	1.64	1.799
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.183								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	20	31.65	30.65	36.4	21.2	16.735	4.091	25.21	27.125	34.25	35.37
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	20	3.	3.15	5.	1.	0.976	0.988	2.	3.	4.	4.9
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	12	2.2	3.183	9.	0.	6.842	2.616	0.27	1.1	4.575	8.22

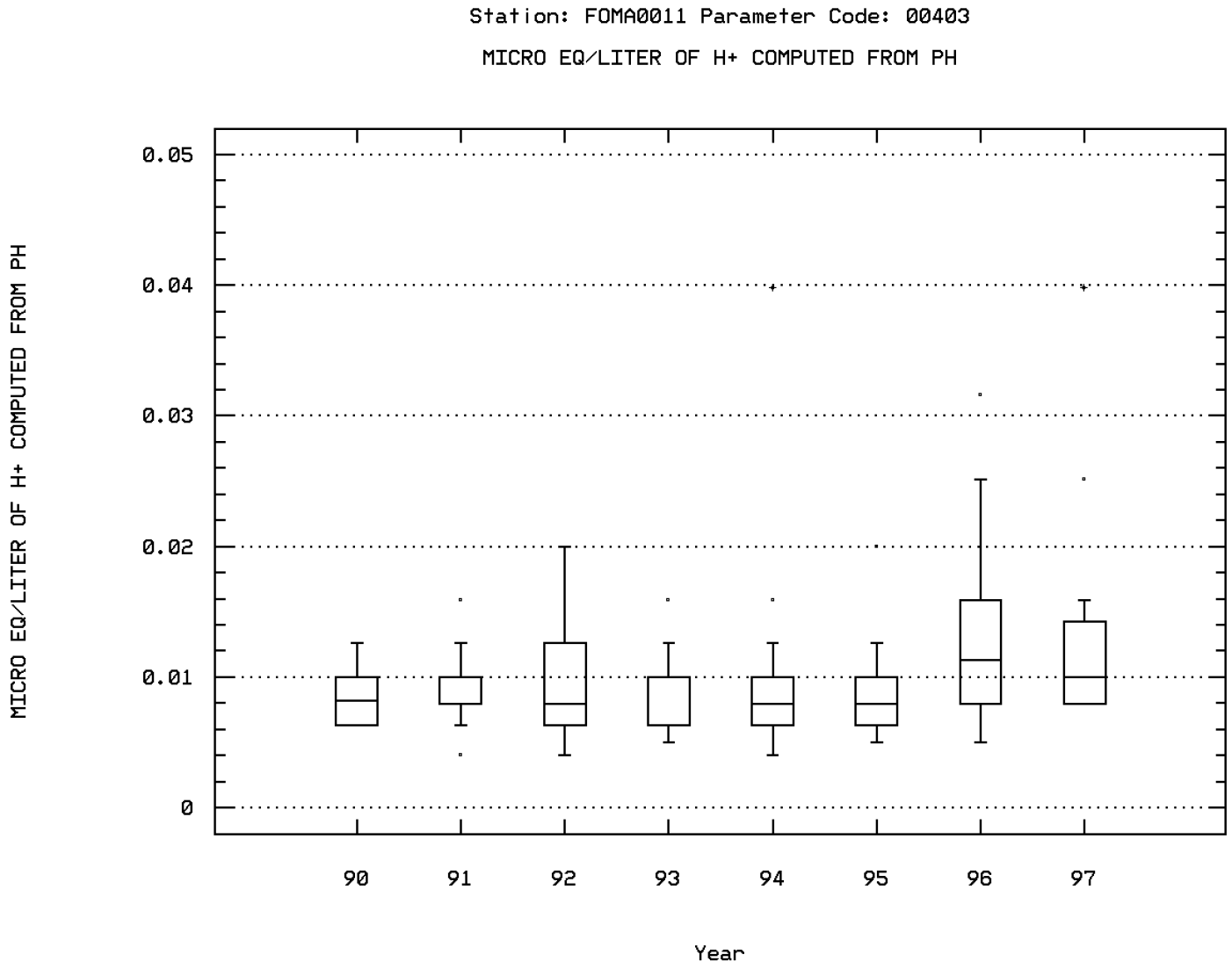
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0011 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



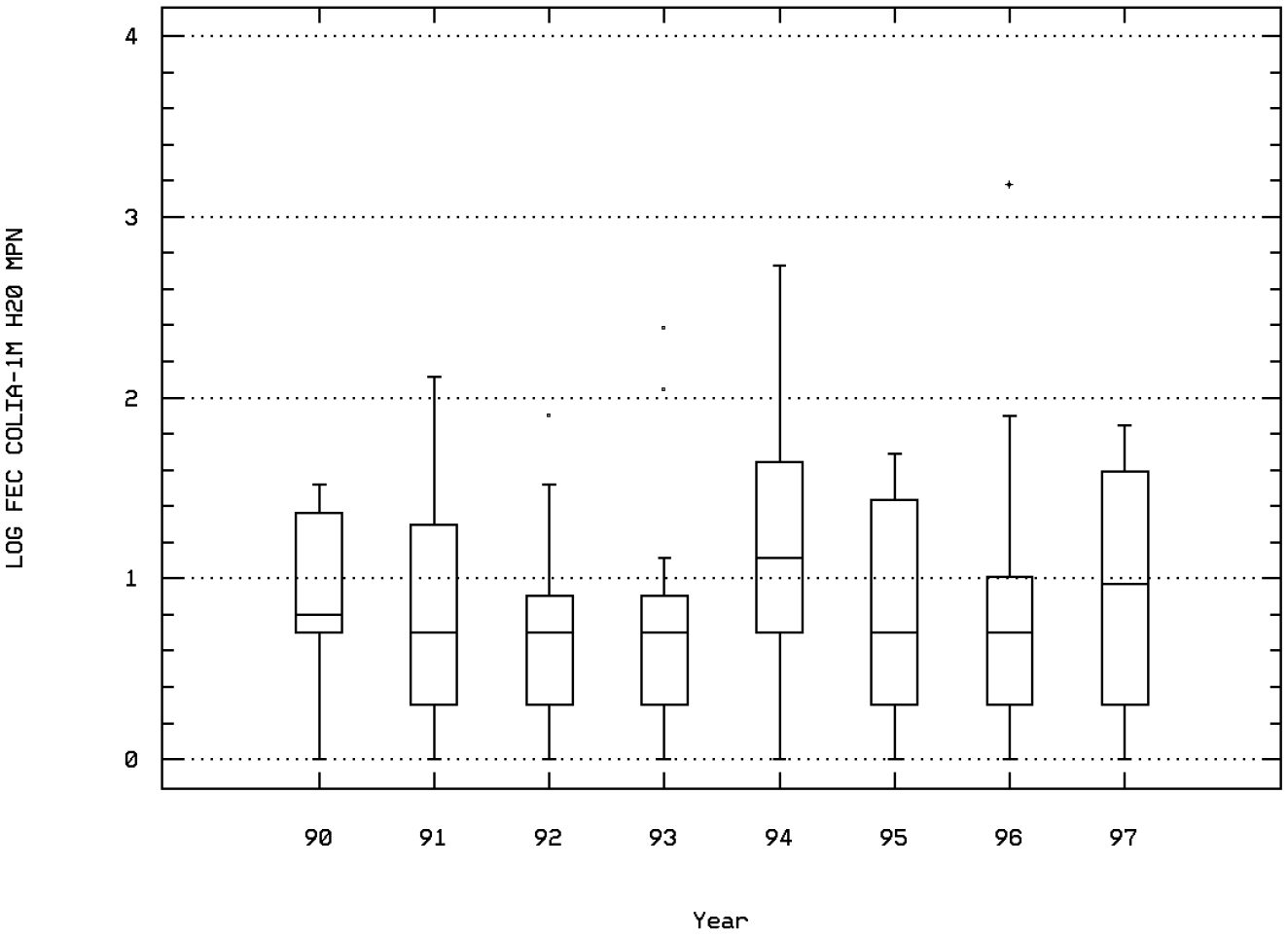
Mouth of creek southwest of CM 85



Mouth of creek southwest of CM 85

Station: FOMA0011 Parameter Code: 31621

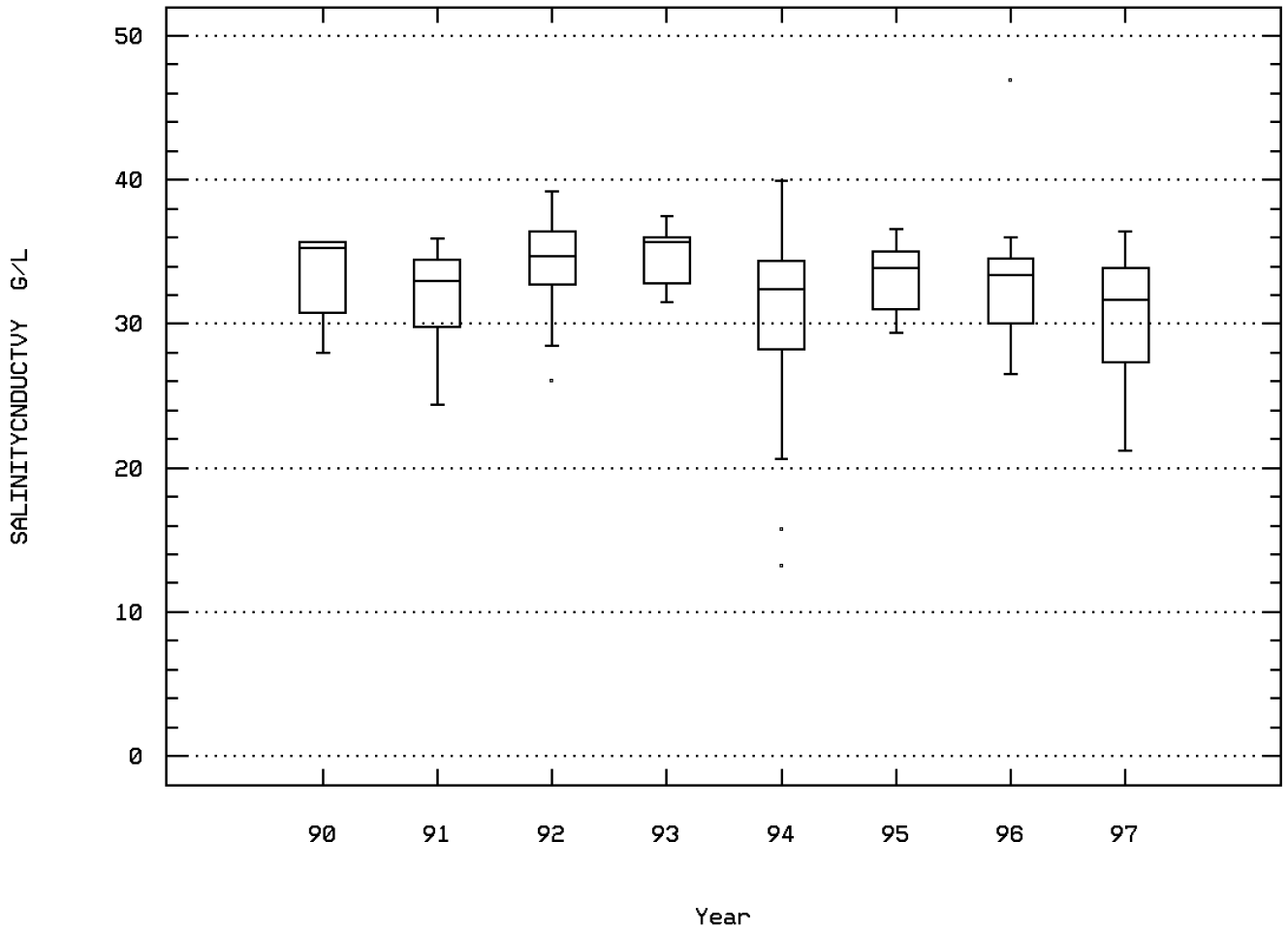
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Mouth of creek southwest of CM 85

Station: FOMA0011 Parameter Code: 70305

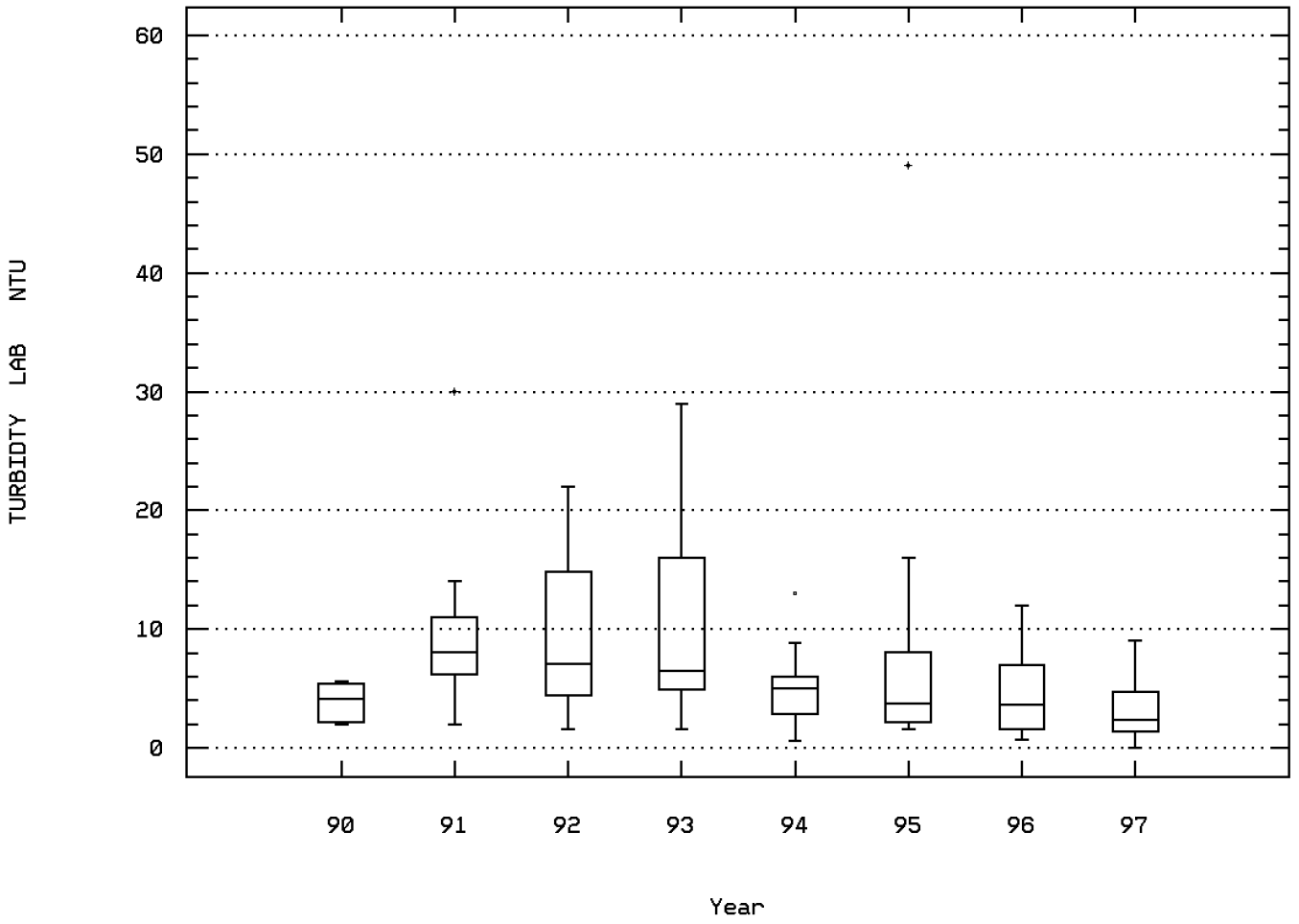
SALINITY BASED ON CONDUCTIVITY



Mouth of creek southwest of CM 85

Station: FOMA0011 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Mouth of creek southwest of CM 85

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	31	23.1	22.555	29.5	16.3	11.241	3.353	17.36	19.6	24.5	27.58
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	26	8.	10.654	25.	0.	38.155	6.177	3.5	6.75	16.	18.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	29	7.7	8.583	17.8	4.	9.665	3.109	6.	6.5	9.65	14.1
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	26	8.05	8.042	8.4	7.7	0.037	0.192	7.77	7.9	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	26	8.047	8.001	8.4	7.7	0.039	0.197	7.77	7.9	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	26	0.009	0.01	0.02	0.004	0.	0.005	0.005	0.006	0.013	0.017
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	26	9.5	30.462	240.	1.	2460.578	49.604	1.7	2.	49.	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	26	0.972	1.041	2.38	0.	0.442	0.665	0.211	0.301	1.69	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.994								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	27	34.7	33.33	39.9	24.4	18.745	4.33	26.62	29.8	36.1	38.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	35	3.	2.714	5.	0.	1.622	1.274	1.	2.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	26	5.15	6.046	16.	1.6	16.851	4.105	2.	3.2	7.15	14.3

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	96	17.6	18.291	28.5	5.4	33.072	5.751	10.77	13.625	23.45	26.83
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	77	10.	9.87	25.	0.	25.562	5.056	5.	6.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	81	8.2	8.306	15.8	2.1	6.084	2.467	5.34	6.65	10.05	11.3
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	77	8.1	8.036	8.4	7.4	0.036	0.191	7.8	7.9	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	77	8.1	7.988	8.4	7.4	0.039	0.197	7.8	7.9	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	77	0.008	0.01	0.04	0.004	0.	0.006	0.006	0.006	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	77	8.	44.909	1500.	1.	32535.926	180.377	2.	2.	29.	71.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	77	0.903	0.947	3.176	0.	0.438	0.662	0.301	0.301	1.461	1.856
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.861								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	91	32.7	32.104	46.9	13.2	21.24	4.609	27.	30.4	34.7	36.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	100	2.	2.44	5.	0.	1.138	1.067	1.	2.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	77	4.6	5.977	49.	0.	49.169	7.012	1.36	2.35	6.85	11.68

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	47	28.2	27.84	32.1	23.6	3.857	1.964	24.36	26.9	29.1	30.02
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	39	6.	7.179	25.	0.	30.572	5.529	0.	4.	10.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	35	6.7	6.86	10.5	3.6	2.308	1.519	5.1	5.9	7.8	8.84
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	39	8.1	8.074	8.4	7.5	0.047	0.216	7.7	8.	8.2	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	39	8.1	8.016	8.4	7.5	0.05	0.224	7.7	8.	8.2	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	39	0.008	0.01	0.032	0.004	0.	0.006	0.004	0.006	0.01	0.02
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	39	2.	7.026	49.	1.	103.973	10.197	1.	2.	7.	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	39	0.301	0.549	1.69	0.	0.233	0.483	0.	0.301	0.845	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.54								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	46	33.45	33.011	38.6	20.6	12.615	3.552	27.87	31.75	35.8	36.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	52	3.	2.981	8.	0.	3.392	1.842	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	39	8.	9.282	29.	1.2	48.686	6.978	1.8	3.4	13.	19.

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

Station Inventory for Station: FOMA0012

NPS Station ID: FOMA0012
LAT/LON: 29.697504/ -81.219003
Agency: 21FLA
Date Created: 08/16/97
Location: East of Summer Haven at northwest turn
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88061SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	264	21.6	20.152	29.3	4.6	37.395	6.115	10.6	15.825	25.175	27.6
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	150	7.	8.273	25.	0.	30.911	5.56	2.	5.	12.	16.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	214	8.4	8.539	16.5	2.2	4.951	2.225	5.95	7.1	10.1	11.6
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	150	8.2	8.149	8.5	7.5	0.026	0.162	8.	8.1	8.3	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	150	8.2	8.114	8.5	7.5	0.027	0.165	8.	8.1	8.3	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	150	0.006	0.008	0.032	0.003	0.	0.004	0.005	0.005	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	150	2.	9.12	240.	1.	538.16	23.198	1.	1.	9.5	17.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	150	0.301	0.567	2.38	0.	0.275	0.524	0.	0.	0.976	1.23
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.689								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	251	34.8	34.796	47.4	26.7	7.356	2.712	31.32	33.3	36.2	37.88
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	279	5.	5.462	13.	0.	5.624	2.371	3.	4.	7.	8.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	150	3.95	5.495	36.	0.	29.954	5.473	1.2	2.	6.4	13.

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

EPA Water Quality Criteria Analysis for Station: FOMA0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	214	4	0.02	41	0	0.00	119	4	0.03	54	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	150	2	0.01	27	0	0.00	83	1	0.01	40	1	0.03			
		Other-Lo Lim.	6.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	0	0.00	27	0	0.00	83	0	0.00	40	0	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 1990 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	12	21.75	21.608	28.5	14.3	28.772	5.364	14.3	16.35	26.975	28.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	4.5	4.333	10.	0.	11.467	3.386	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	12	7.75	8.225	13.5	6.3	4.513	2.124	6.42	6.8	8.35	12.87
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.2	8.167	8.2	8.1	0.003	0.052	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.2	8.164	8.2	8.1	0.003	0.052	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.006	0.007	0.008	0.006	0.	0.001	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	3.5	4.833	11.	2.	13.367	3.656	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.5	0.581	1.041	0.301	0.106	0.326	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.814								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	12	34.75	34.55	36.1	32.3	1.888	1.374	32.36	33.7	35.6	36.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	12	6.	4.833	6.	1.	3.788	1.946	1.	4.	6.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	2.2	2.033	3.2	1.	0.663	0.814	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	24	26.3	24.333	28.7	15.9	15.042	3.878	17.9	20.775	27.35	28.3
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	12	5.5	5.833	12.	0.	10.152	3.186	0.9	4.	7.75	11.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	18	7.6	7.261	9.9	4.9	1.752	1.324	4.9	6.525	8.1	8.91
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	12	8.1	8.142	8.3	8.	0.008	0.09	8.03	8.1	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	12	8.1	8.133	8.3	8.	0.008	0.09	8.03	8.1	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	12	0.008	0.007	0.01	0.005	0.	0.001	0.005	0.006	0.008	0.009
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	12	2.	7.	49.	1.	188.182	13.718	1.	1.	6.5	38.2
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	12	0.301	0.434	1.69	0.	0.282	0.531	0.	0.	0.753	1.517
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.719								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	24	34.65	34.525	36.9	31.	2.421	1.556	32.05	33.6	35.775	36.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	24	5.	5.5	8.	4.	1.304	1.142	4.	5.	6.	7.5
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	12	4.8	7.617	36.	2.2	88.069	9.384	2.32	2.95	6.3	29.1

** - 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 1992 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	42	20.3	20.152	28.6	12.8	21.498	4.637	13.06	16.575	23.825	27.
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	24	8.	9.458	20.	0.	27.389	5.233	5.	5.	14.25	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	43	8.8	9.267	16.5	5.5	4.671	2.161	7.1	7.7	10.4	11.28
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	24	8.2	8.196	8.4	8.	0.015	0.123	8.	8.1	8.3	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	24	8.2	8.179	8.4	8.	0.015	0.124	8.	8.1	8.3	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	24	0.006	0.007	0.01	0.004	0.	0.002	0.004	0.005	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	24	4.	6.292	33.	1.	54.737	7.398	1.	1.	8.75	15.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	24	0.602	0.554	1.519	0.	0.225	0.474	0.	0.	0.941	1.172
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.582								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	36	36.25	36.092	40.3	31.6	4.487	2.118	33.06	34.625	37.275	39.19
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	44	5.5	5.5	9.	2.	3.512	1.874	3.	4.	7.	8.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	24	5.2	7.463	21.	1.8	26.975	5.194	2.1	4.25	9.725	16.5

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

Annual Analysis for 1993 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	34	19.75	20.103	29.3	10.2	44.609	6.679	10.3	14.85	26.65	28.3
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	8.	8.706	20.	0.	31.221	5.588	0.	4.5	13.	16.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	32	9.05	9.6	12.1	6.4	2.348	1.532	7.95	8.6	11.15	11.77
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.2	8.194	8.5	8.	0.013	0.114	8.08	8.1	8.25	8.34
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.2	8.181	8.5	8.	0.013	0.115	8.08	8.1	8.25	8.34
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.006	0.007	0.01	0.003	0.	0.002	0.005	0.006	0.008	0.008
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	2.	5.529	17.	1.	39.265	6.266	1.	1.	9.5	17.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.301	0.455	1.23	0.	0.267	0.517	0.	0.	0.972	1.23
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.854								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	28	35.25	35.371	38.4	32.4	3.869	1.967	32.86	33.55	37.425	38.12
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	34	5.	5.176	8.	3.	2.816	1.678	3.	3.75	7.	7.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	6.2	7.376	26.	1.	35.551	5.962	2.12	4.	7.35	17.36

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

Annual Analysis for 1994 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	51	19.6	18.827	28.	9.8	32.468	5.698	10.98	13.3	23.3	26.58
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	8.	8.759	18.	0.	22.975	4.793	3.	5.	12.	16.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	46	10.1	9.557	13.3	3.4	6.553	2.56	5.65	7.8	11.65	12.23
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.3	8.245	8.5	8.	0.015	0.121	8.1	8.2	8.3	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.3	8.228	8.5	8.	0.015	0.122	8.1	8.2	8.3	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.005	0.006	0.01	0.003	0.	0.002	0.004	0.005	0.006	0.008
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	2.	5.69	49.	1.	85.65	9.255	1.	1.	8.	11.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	0.301	0.475	1.69	0.	0.211	0.459	0.	0.	0.903	1.041
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.985								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	50	33.7	33.598	39.9	26.7	8.606	2.934	30.11	31.725	34.725	38.39
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	53	5.	5.736	12.	0.	10.044	3.169	2.4	3.5	7.	12.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	3.3	5.5	21.	1.	24.442	4.944	1.	2.35	7.35	16.

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

Annual Analysis for 1995 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	23	21.8	19.17	25.9	8.6	34.352	5.861	10.46	13.3	23.7	25.42
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	20	7.	8.4	25.	0.	53.411	7.308	0.	3.5	11.5	22.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	7.6	6.914	9.8	2.2	11.248	3.354	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	20	8.2	8.22	8.4	8.1	0.008	0.089	8.1	8.125	8.3	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	20	8.2	8.211	8.4	8.1	0.008	0.09	8.1	8.125	8.3	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	20	0.006	0.006	0.008	0.004	0.	0.001	0.005	0.005	0.008	0.008
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	20	2.	5.65	33.	1.	61.503	7.842	1.	1.	8.	13.9
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	20	0.301	0.46	1.519	0.	0.238	0.488	0.	0.	0.903	1.143
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.885								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	23	35.8	35.343	40.2	30.6	5.123	2.263	31.08	34.5	36.1	38.58
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	31	6.	6.097	13.	0.	13.157	3.627	0.	4.	8.	12.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	20	3.	5.45	18.	1.	32.979	5.743	1.02	1.7	5.4	17.9

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

Annual Analysis for 1996 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	50	22.85	19.504	28.6	4.6	66.85	8.176	7.86	10.925	27.6	27.89
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	28	5.5	8.357	25.	0.	40.164	6.338	2.	5.	11.5	20.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	30	6.25	6.45	7.9	5.5	0.466	0.683	5.61	5.9	7.	7.58
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	28	8.1	8.039	8.3	7.7	0.022	0.147	7.8	7.925	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	28	8.1	8.014	8.3	7.7	0.022	0.15	7.8	7.925	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	28	0.008	0.01	0.02	0.005	0.	0.004	0.006	0.008	0.012	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	28	5.	15.429	240.	1.	1993.439	44.648	1.	2.	11.	24.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	28	0.699	0.695	2.38	0.	0.305	0.552	0.	0.301	1.041	1.377
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.953								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	50	35.65	35.706	47.4	29.4	11.853	3.443	30.67	34.35	36.7	39.82
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	53	5.	5.	10.	0.	4.923	2.219	3.	4.	6.	8.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	28	2.4	4.079	21.	0.7	18.364	4.285	0.99	1.2	6.025	9.02

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

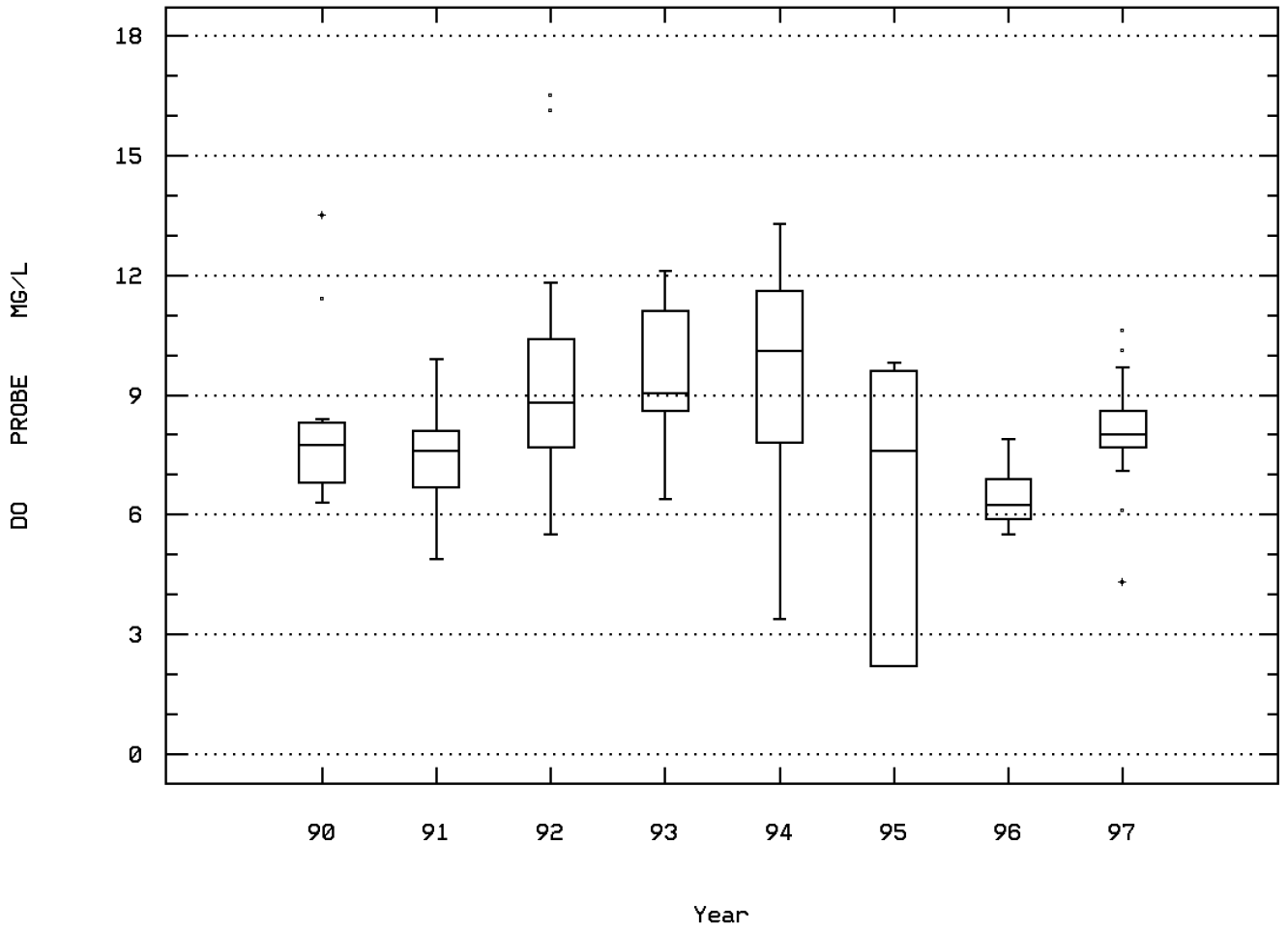
Annual Analysis for 1997 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	28	20.5	20.379	27.8	13.6	21.662	4.654	14.36	15.825	24.175	27.53
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	7.5	8.143	16.	0.	27.363	5.231	1.	4.	12.75	15.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	26	8.	8.108	10.6	4.3	1.558	1.248	6.8	7.65	8.675	9.82
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	8.	7.936	8.2	7.5	0.05	0.224	7.5	7.775	8.1	8.15
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	8.	7.874	8.2	7.5	0.054	0.233	7.5	7.775	8.1	8.15
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.01	0.013	0.032	0.006	0.	0.009	0.007	0.008	0.017	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	12.	21.429	130.	1.	1106.11	33.258	1.	1.	25.5	81.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	1.078	0.919	2.114	0.	0.47	0.686	0.	0.	1.401	1.816
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.293								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	28	32.75	32.954	36.9	30.	3.652	1.911	30.39	31.6	34.5	35.71
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	28	6.	5.643	8.	4.	1.423	1.193	4.	5.	6.	7.1
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	2.	2.393	4.6	0.	1.924	1.387	0.5	1.5	3.7	4.55

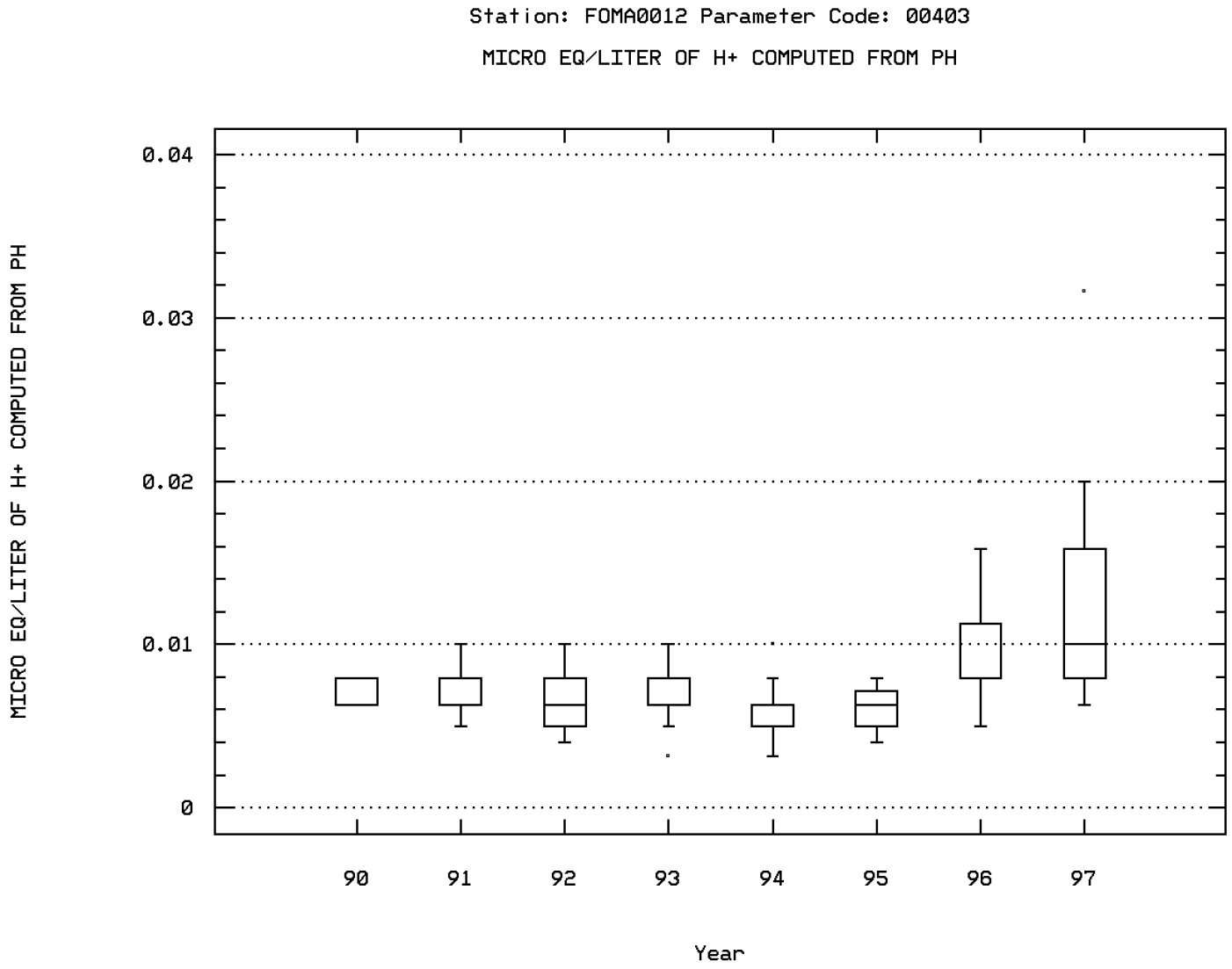
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0012 Parameter Code: 00299

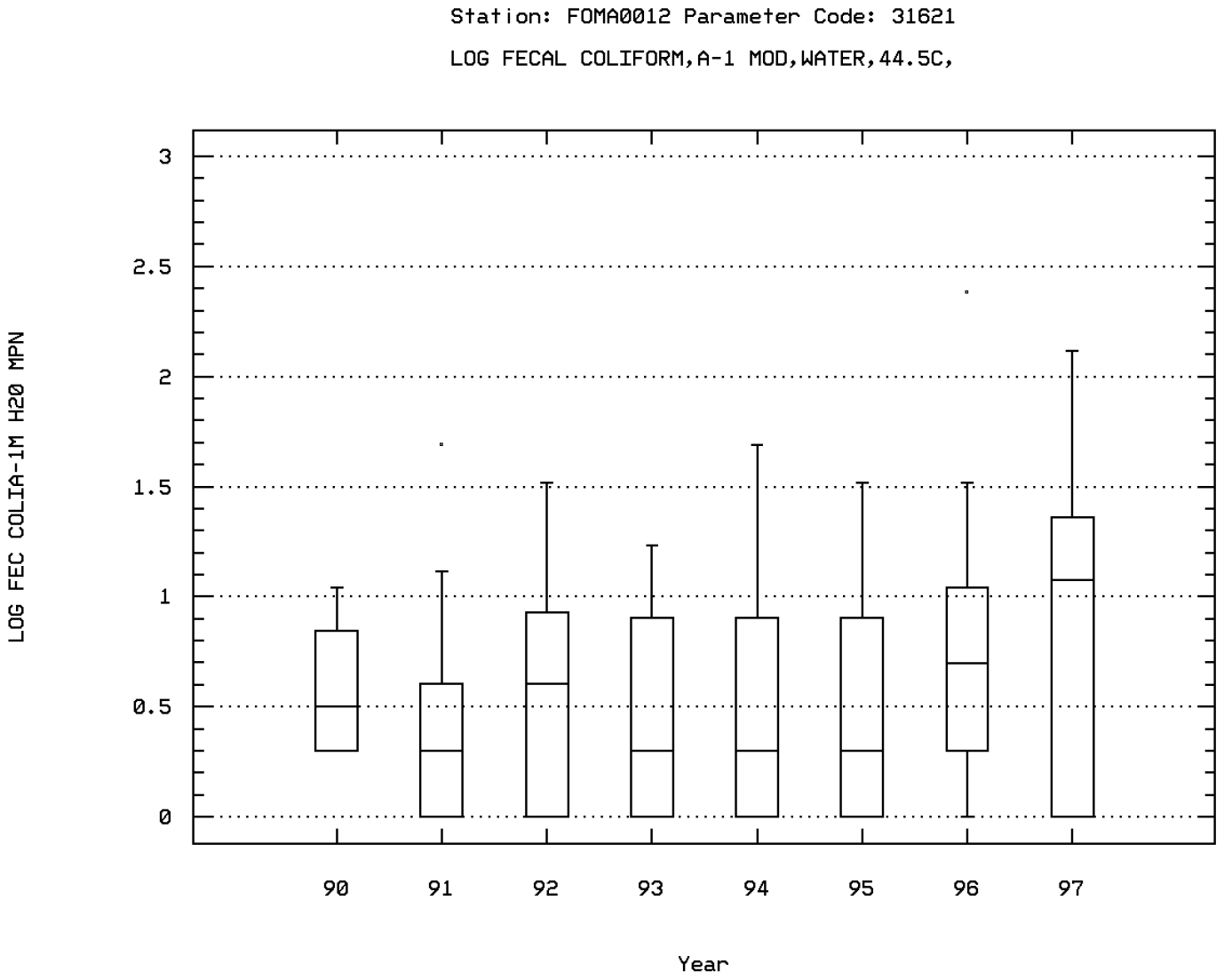
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



East of Summer Haven at northwest turn



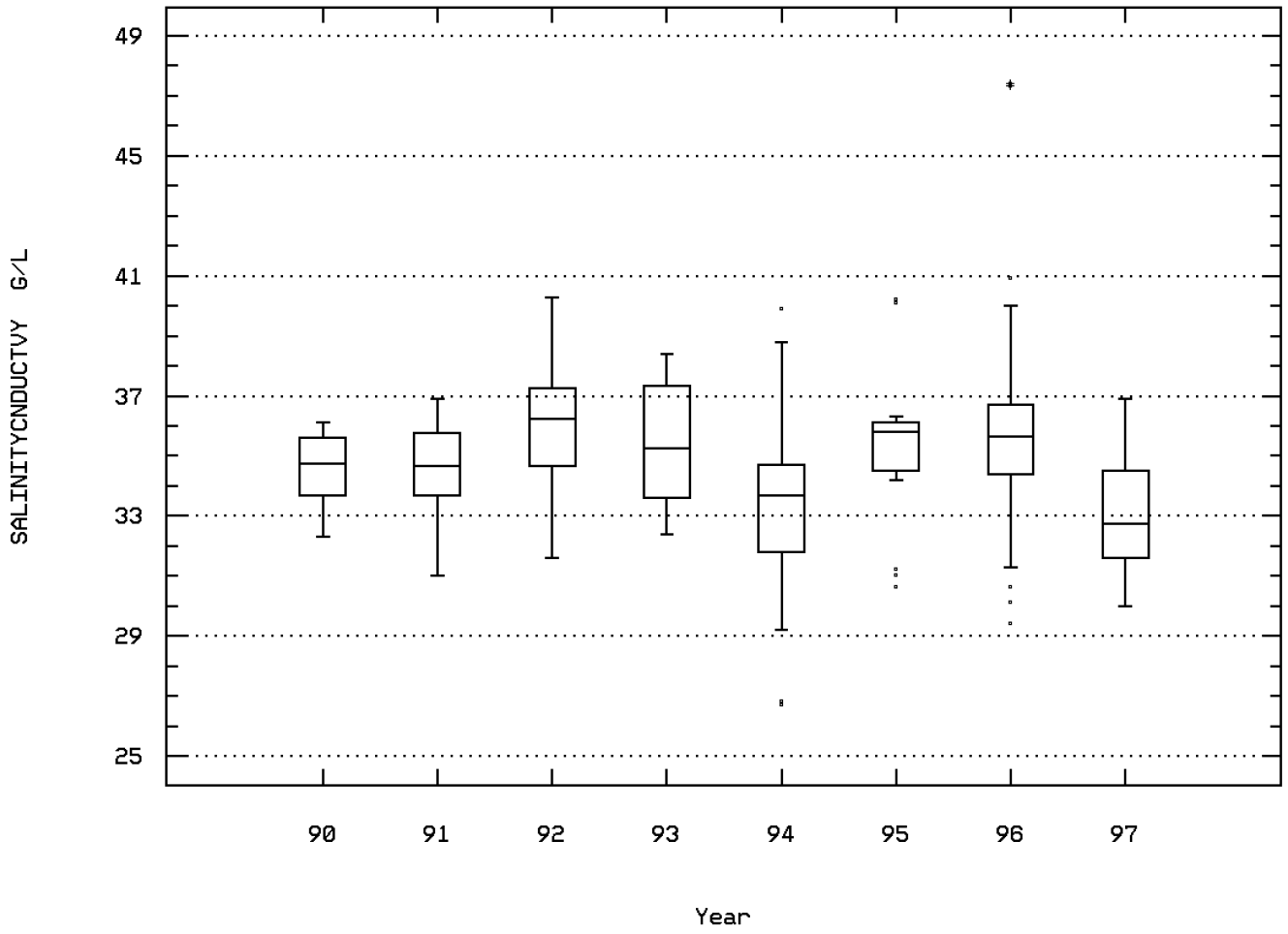
East of Summer Haven at northwest turn



East of Summer Haven at northwest turn

Station: FOMA0012 Parameter Code: 70305

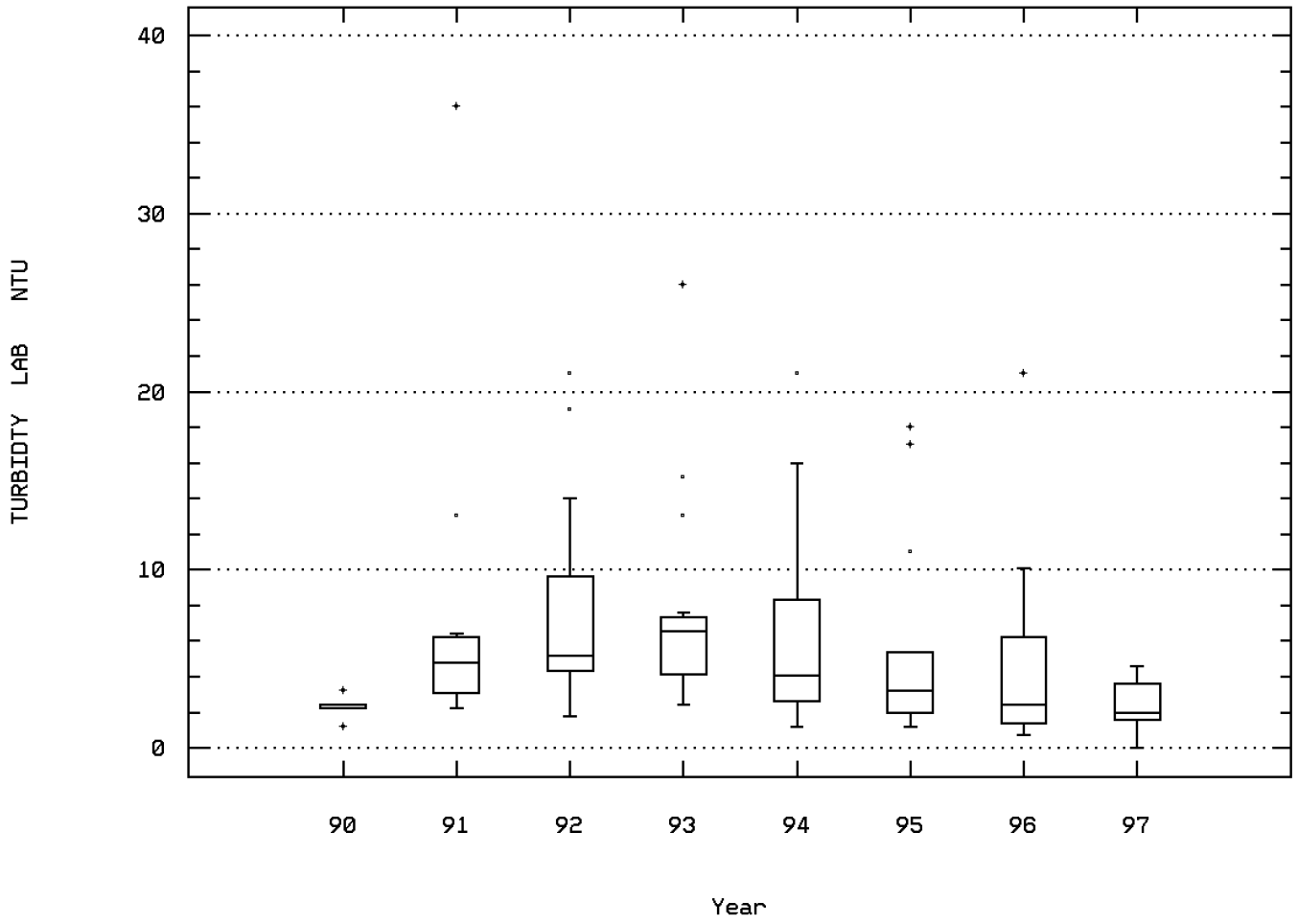
SALINITY BASED ON CONDUCTIVITY



East of Summer Haven at northwest turn

Station: FOMA0012 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



East of Summer Haven at northwest turn

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	43	22.1	22.037	28.6	16.5	11.032	3.321	17.54	19.5	24.3	27.36
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	27	10.	10.259	25.	0.	42.584	6.526	2.4	5.	16.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	41	8.3	8.617	11.9	5.5	3.793	1.948	6.08	7.3	10.4	11.6
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	27	8.2	8.141	8.4	7.8	0.019	0.137	7.98	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	27	8.2	8.119	8.4	7.8	0.019	0.138	7.98	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	27	0.006	0.008	0.016	0.004	0.	0.003	0.005	0.006	0.01	0.011
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	27	5.	7.889	33.	1.	81.949	9.053	1.	1.	13.	20.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	27	0.699	0.624	1.519	0.	0.262	0.512	0.	0.	1.114	1.288
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.203								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	37	35.1	35.132	39.9	30.1	7.749	2.784	30.82	33.25	37.35	39.16
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	48	5.5	5.458	12.	0.	6.254	2.501	2.9	4.	6.75	8.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	27	3.2	4.726	21.	1.	23.304	4.827	1.16	2.1	5.4	11.4

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	152	16.6	16.91	27.8	4.6	31.607	5.622	10.23	11.7	22.05	24.87
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	83	8.	8.663	25.	0.	26.787	5.176	3.4	5.	12.	16.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	119	8.6	8.81	16.5	2.2	5.855	2.42	6.3	7.4	10.2	11.8
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	83	8.1	8.129	8.5	7.5	0.026	0.163	8.	8.1	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	83	8.1	8.092	8.5	7.5	0.028	0.167	8.	8.1	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	83	0.008	0.008	0.032	0.003	0.	0.005	0.005	0.006	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	83	2.	11.024	240.	1.	912.048	30.2	1.	1.	11.	17.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	83	0.301	0.591	2.38	0.	0.293	0.542	0.	0.	1.041	1.23
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.896								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	147	34.5	34.406	47.4	26.7	8.196	2.863	31.16	32.7	35.9	36.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	157	5.	5.567	12.	0.	5.491	2.343	3.	4.	7.	8.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	83	3.6	5.275	26.	0.	26.359	5.134	1.	1.8	6.4	12.6

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	69	27.	26.119	29.3	20.4	5.761	2.4	22.	23.7	27.85	28.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	40	5.	6.125	25.	0.	25.599	5.06	0.	3.25	8.	13.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	54	7.75	7.883	12.2	4.3	3.392	1.842	5.85	6.2	9.	10.55
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	40	8.2	8.198	8.5	7.7	0.028	0.169	8.	8.1	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	40	8.2	8.161	8.5	7.7	0.03	0.173	8.	8.1	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	40	0.006	0.007	0.02	0.003	0.	0.003	0.004	0.005	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	40	2.	6.	33.	1.	65.026	8.064	1.	1.	8.	16.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	40	0.301	0.48	1.519	0.	0.247	0.497	0.	0.	0.903	1.219
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.017								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	67	35.6	35.464	40.3	30.3	4.653	2.157	33.32	34.3	36.3	38.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	74	5.	5.243	13.	0.	5.584	2.363	3.	4.	7.	8.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	40	4.9	6.472	36.	0.9	41.989	6.48	1.4	2.25	8.125	14.

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

Station Inventory for Station: FOMA0013

NPS Station ID: FOMA0013
LAT/LON: 29.698837/ -81.232171
Agency: 21FLA
Date Created: 08/16/97
Location: Up creek from station 171
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88172SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	134	22.2	21.031	30.7	8.7	33.789	5.813	12.65	16.375	26.125	28.35
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	126	8.	9.651	25.	0.	31.429	5.606	4.	6.	14.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	107	7.5	7.871	15.4	2.1	5.786	2.405	5.06	6.3	9.5	10.82
00403	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	126	8.1	8.064	8.4	7.5	0.035	0.187	7.8	7.975	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	126	8.1	8.021	8.4	7.5	0.037	0.192	7.8	7.975	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	126	0.008	0.01	0.032	0.004	0.	0.005	0.005	0.006	0.011	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	126	8.	27.357	920.	1.	7860.503	88.659	1.	2.	23.75	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	126	0.903	0.871	2.964	0.	0.431	0.656	0.	0.301	1.375	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.434								
70305	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	127	33.7	32.939	46.9	16.	14.59	3.82	28.16	30.5	35.3	36.24
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	148	2.	2.23	5.	0.	1.239	1.113	1.	2.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	126	4.45	5.567	23.	0.	19.054	4.365	1.4	2.4	6.725	11.86

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

EPA Water Quality Criteria Analysis for Station: FOMA0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	107	5	0.05	24	0	0.00	61	4	0.07	22	1	0.05			
00403	PH, LAB	Marine Chronic	8.5	126	0	0.00	25	0	0.00	68	0	0.00	33	0	0.00			
		Other-Lo Lim.	6.5	126	0	0.00	25	0	0.00	68	0	0.00	33	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	126	0	0.00	25	0	0.00	68	0	0.00	33	0	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 1990 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	5	25.6	24.88	29.7	19.7	18.442	4.294	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	5	7.	6.2	10.	0.	13.7	3.701	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	5	7.1	6.8	7.7	5.6	0.665	0.815	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	5	8.1	8.08	8.2	7.9	0.017	0.13	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	5	8.1	8.064	8.2	7.9	0.017	0.132	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	5	0.008	0.009	0.013	0.006	0.	0.003	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	5	8.	31.8	110.	1.	2061.7	45.406	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	5	0.903	1.062	2.041	0.	0.592	0.769	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			11.524								
70305p	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	5	35.4	33.86	35.8	30.8	5.998	2.449	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	5	2.	2.	2.	2.	0.	0.	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	5	4.	3.6	5.	2.2	1.54	1.241	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	14	27.3	26.107	30.2	17.	18.538	4.306	17.	24.05	28.825	30.15
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	10	8.	8.2	15.	0.	18.4	4.29	0.5	5.75	12.	14.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	8	5.95	6.175	7.7	4.6	1.591	1.261	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	10	8.05	8.08	8.4	7.9	0.024	0.155	7.9	7.975	8.2	8.38
00403p	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	10	8.047	8.057	8.4	7.9	0.025	0.157	7.9	7.975	8.2	8.38
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	10	0.009	0.009	0.013	0.004	0.	0.003	0.004	0.006	0.011	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	10	5.	13.2	79.	1.	564.178	23.752	1.	1.	14.	72.8
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	10	0.699	0.684	1.898	0.	0.395	0.628	0.	0.	1.143	1.831
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.835								
70305p	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	14	34.25	32.95	36.1	26.7	9.523	3.086	27.15	30.3	34.925	36.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	14	3.	2.643	4.	1.	0.709	0.842	1.5	2.	3.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	10	7.7	7.32	12.	1.4	10.411	3.227	1.7	4.85	9.5	11.9

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

Annual Analysis for 1992 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	23	17.7	19.696	28.4	13.5	22.302	4.723	13.74	16.6	24.1	27.76
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	20	9.	9.9	20.	0.	30.832	5.553	5.	5.	14.25	19.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	23	8.4	8.622	15.4	5.1	5.998	2.449	5.9	6.4	10.7	10.96
00403p	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	20	8.1	8.1	8.4	7.8	0.028	0.169	7.9	7.925	8.2	8.39
00403p	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	20	8.1	8.069	8.4	7.8	0.029	0.171	7.9	7.925	8.2	8.39
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	20	0.008	0.009	0.016	0.004	0.	0.003	0.004	0.006	0.012	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	20	8.	12.05	49.	1.	219.839	14.827	1.	2.	16.	47.4
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	20	0.903	0.771	1.69	0.	0.315	0.561	0.	0.301	1.201	1.673
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.908								
70305p	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	21	34.7	34.281	38.5	25.6	9.324	3.053	29.68	33.3	36.3	37.64
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	24	2.5	2.417	4.	1.	1.123	1.06	1.	1.25	3.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	20	7.2	8.185	23.	1.9	23.89	4.888	3.39	4.4	11.55	13.8

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

Annual Analysis for 1993 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	16	20.4	20.663	29.2	10.6	38.592	6.212	11.86	15.225	26.4	28.99
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	16	10.	10.688	20.	4.	21.163	4.6	4.7	7.	14.75	17.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	15	9.	9.08	11.7	5.8	3.86	1.965	6.16	7.1	10.8	11.58
00403p	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	16	8.1	8.106	8.3	7.8	0.017	0.129	7.94	8.	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	16	8.1	8.087	8.3	7.8	0.017	0.13	7.94	8.	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	16	0.008	0.008	0.016	0.005	0.	0.003	0.005	0.006	0.01	0.012
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	16	5.	33.375	240.	1.	4755.317	68.959	1.	2.	28.	191.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	16	0.699	0.873	2.38	0.	0.544	0.737	0.	0.301	1.417	2.275
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.469								
70305p	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	14	35.25	34.707	38.	31.	3.859	1.964	31.4	33.025	35.825	37.3
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	16	2.	1.813	2.	1.	0.163	0.403	1.	2.	2.	2.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	16	4.85	7.05	17.	0.	29.097	5.394	1.47	4.025	12.45	17.

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

Annual Analysis for 1994 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	30	22.55	20.307	29.8	10.2	33.074	5.751	11.81	14.375	24.925	26.7
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	27	10.	10.704	20.	0.	23.909	4.89	5.8	7.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	27	8.3	8.074	15.2	3.3	8.804	2.967	3.46	6.	10.5	12.04
00403p	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	27	8.1	8.111	8.4	7.8	0.029	0.172	7.88	8.	8.2	8.32
00403p	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	27	8.1	8.078	8.4	7.8	0.031	0.175	7.88	8.	8.2	8.32
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	27	0.008	0.008	0.016	0.004	0.	0.003	0.005	0.006	0.01	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	27	11.	30.741	240.	1.	2258.661	47.525	1.	5.	33.	79.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	27	1.041	1.113	2.38	0.	0.398	0.631	0.	0.699	1.519	1.898
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			12.966								
70305p	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	28	31.6	30.861	36.4	16.	17.613	4.197	26.49	28.35	33.8	35.12
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	32	2.	2.063	5.	0.	1.351	1.162	1.	1.	3.	3.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	27	4.2	4.441	14.	0.6	6.595	2.568	1.7	2.9	5.6	6.62

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

Annual Analysis for 1995 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	12	20.2	19.208	27.3	8.7	39.223	6.263	9.39	14.325	24.8	26.76
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	19	8.	9.421	25.	0.	46.035	6.785	0.	5.	10.	25.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	4	6.65	5.625	7.1	2.1	5.649	2.377	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	19	8.1	8.111	8.3	7.6	0.039	0.197	7.8	8.	8.3	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	19	8.1	8.062	8.3	7.6	0.041	0.203	7.8	8.	8.3	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	19	0.008	0.009	0.025	0.005	0.	0.005	0.005	0.005	0.01	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	19	7.	14.158	130.	1.	851.14	29.174	1.	1.	13.	31.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	19	0.845	0.718	2.114	0.	0.357	0.597	0.	0.	1.114	1.491
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.22								
70305p	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	12	34.2	33.042	36.8	25.7	9.584	3.096	26.93	30.85	34.775	36.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	21	2.	2.095	5.	0.	1.89	1.375	0.	1.	3.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	19	3.4	5.647	22.	1.2	34.133	5.842	1.4	2.3	5.8	19.

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Annual Analysis for 1996 - Station FOMA0013

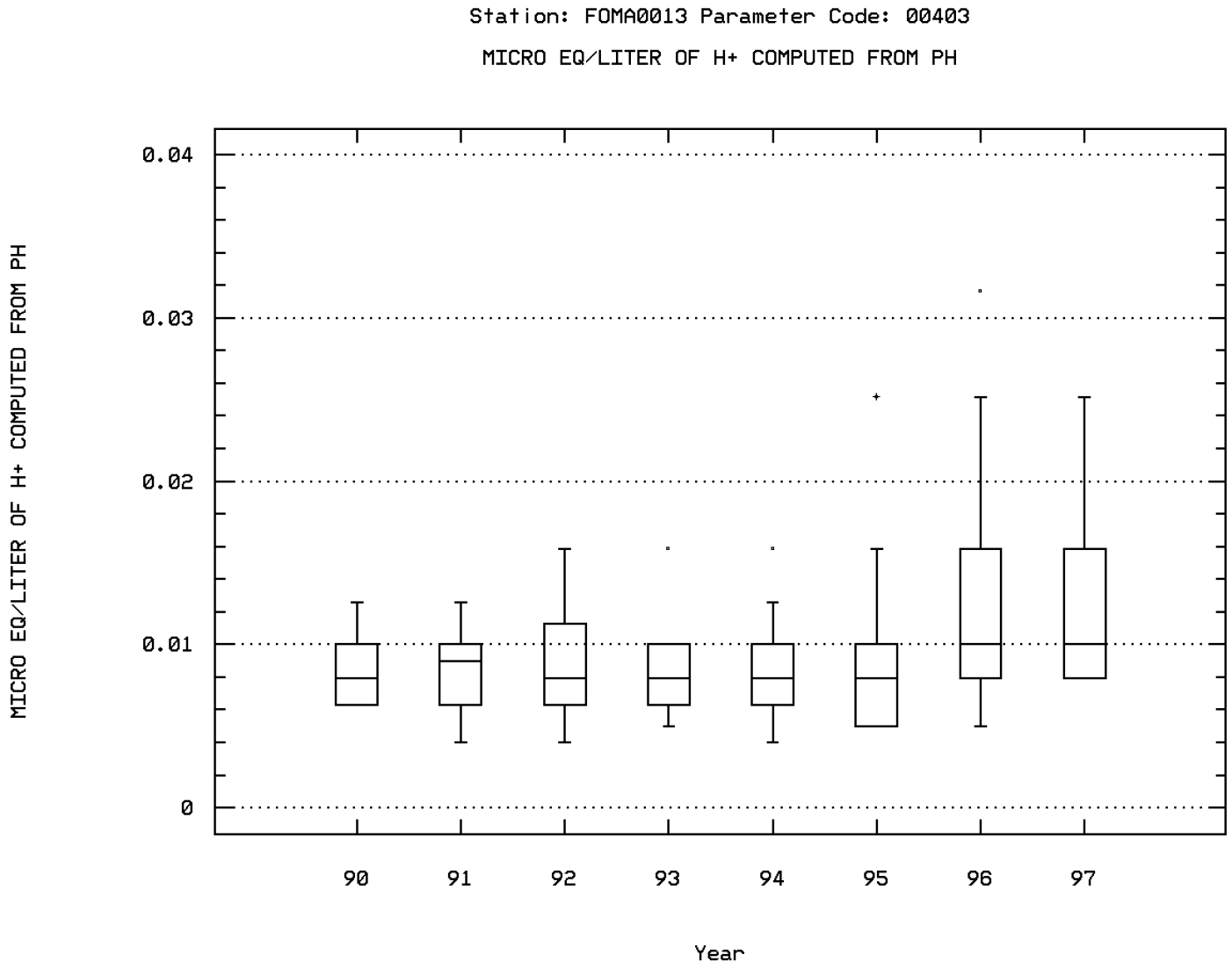
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	21	23.1	21.471	30.7	10.6	43.549	6.599	11.34	15.4	28.	28.7
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	19	7.	8.947	25.	0.	46.719	6.835	0.	5.	12.	22.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	13	6.8	6.538	8.	4.	1.021	1.01	4.6	6.	7.	7.8
00403p	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	19	8.	7.932	8.3	7.5	0.051	0.226	7.6	7.8	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	19	8.	7.872	8.3	7.5	0.055	0.234	7.6	7.8	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	19	0.01	0.013	0.032	0.005	0.	0.008	0.006	0.008	0.016	0.025
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	19	5.	61.053	920.	1.	43530.386	208.639	1.	2.	33.	49.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	19	0.699	0.865	2.964	0.	0.609	0.781	0.	0.301	1.519	1.69
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.326								
70305p	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	20	33.05	33.745	46.9	27.1	27.067	5.203	29.14	30.05	35.25	45.83
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	23	2.	2.217	5.	0.	1.905	1.38	0.4	1.	3.	4.6
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	19	3.	4.158	10.5	0.6	10.03	3.167	1.2	1.6	6.4	9.6

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

Annual Analysis for 1997 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	13	17.5	19.546	28.3	14.4	23.474	4.845	14.44	15.2	24.	27.02
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	10	7.5	9.6	20.	0.	41.6	6.45	0.4	4.75	15.25	19.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	12	8.45	8.233	10.8	4.7	4.168	2.042	5.06	6.15	10.25	10.74
00403p	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	10	8.	7.94	8.1	7.6	0.027	0.165	7.62	7.8	8.1	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	10	8.	7.909	8.1	7.6	0.028	0.168	7.62	7.8	8.1	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	10	0.01	0.012	0.025	0.008	0.	0.005	0.008	0.008	0.016	0.024
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	10	10.	12.2	33.	1.	142.4	11.933	1.	1.	18.	33.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	10	0.998	0.811	1.519	0.	0.359	0.599	0.	0.	1.215	1.519
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.465								
70305p	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	13	32.3	31.638	36.4	25.8	9.728	3.119	25.96	29.85	34.1	35.72
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	13	2.	2.692	4.	1.	1.064	1.032	1.4	2.	4.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	10	2.	2.75	8.1	0.	5.701	2.388	0.1	1.3	3.75	7.83

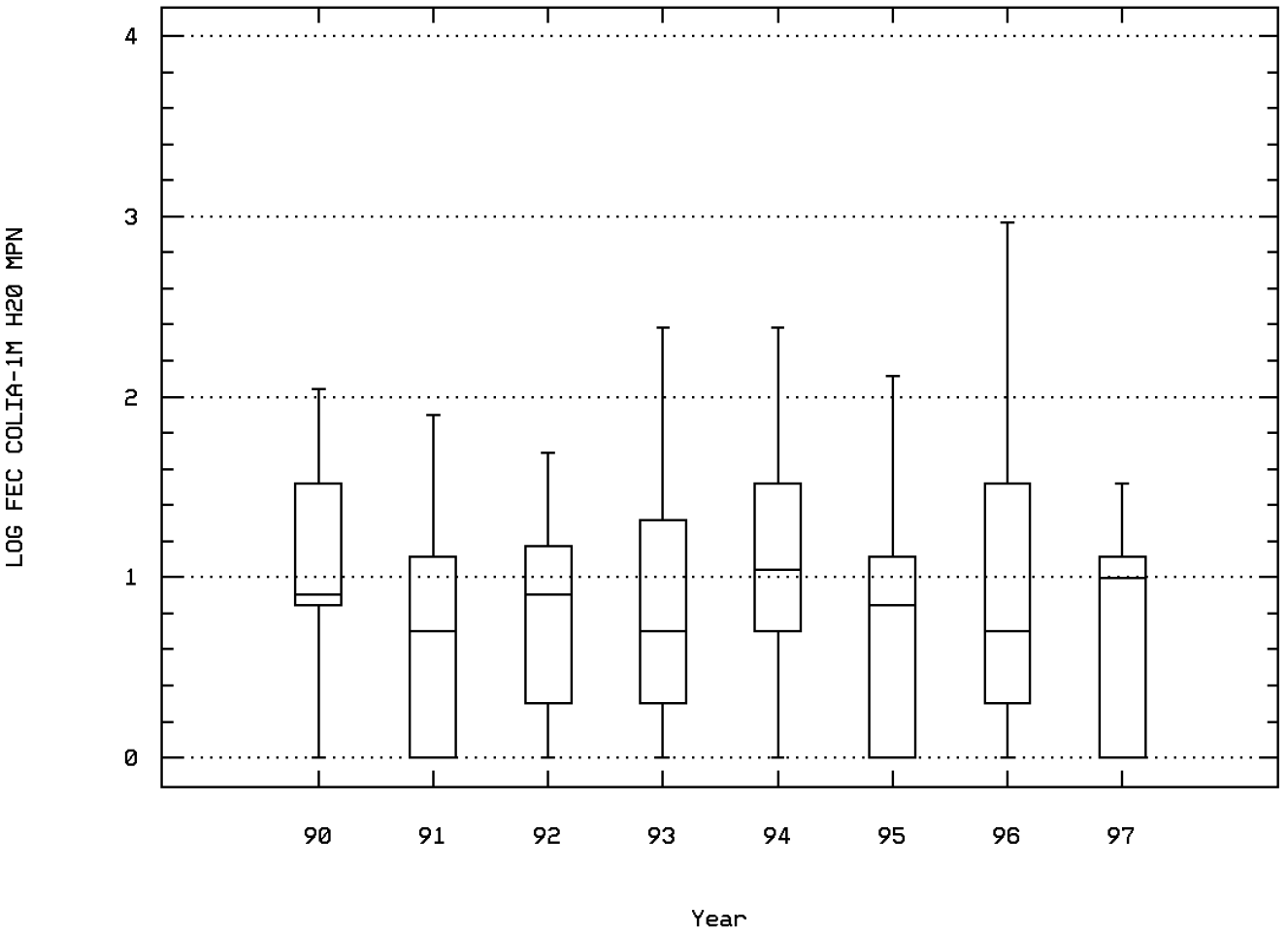
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



Up creek from station 171

Station: FOMA0013 Parameter Code: 31621

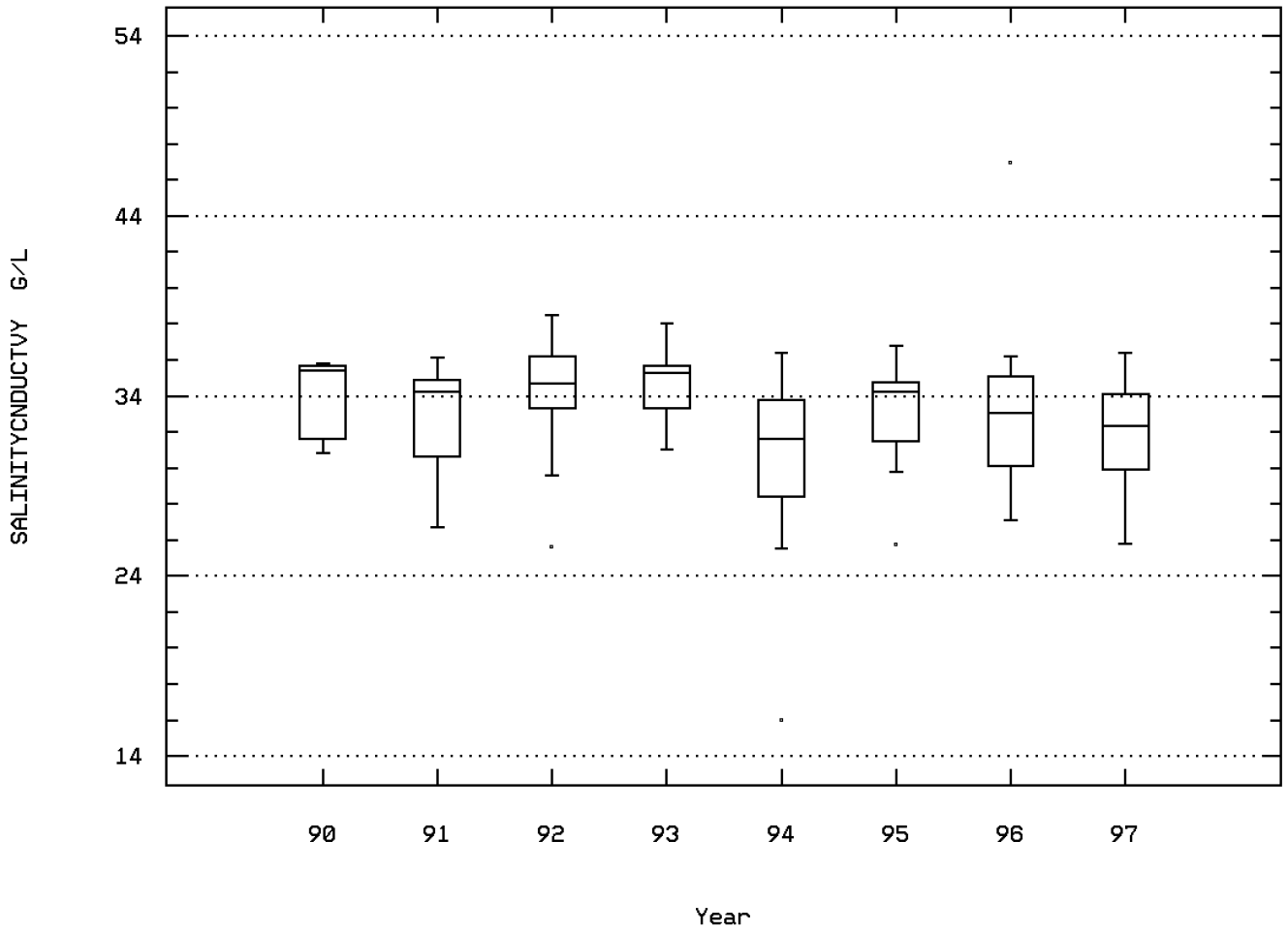
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Up creek from station 171

Station: FOMA0013 Parameter Code: 70305

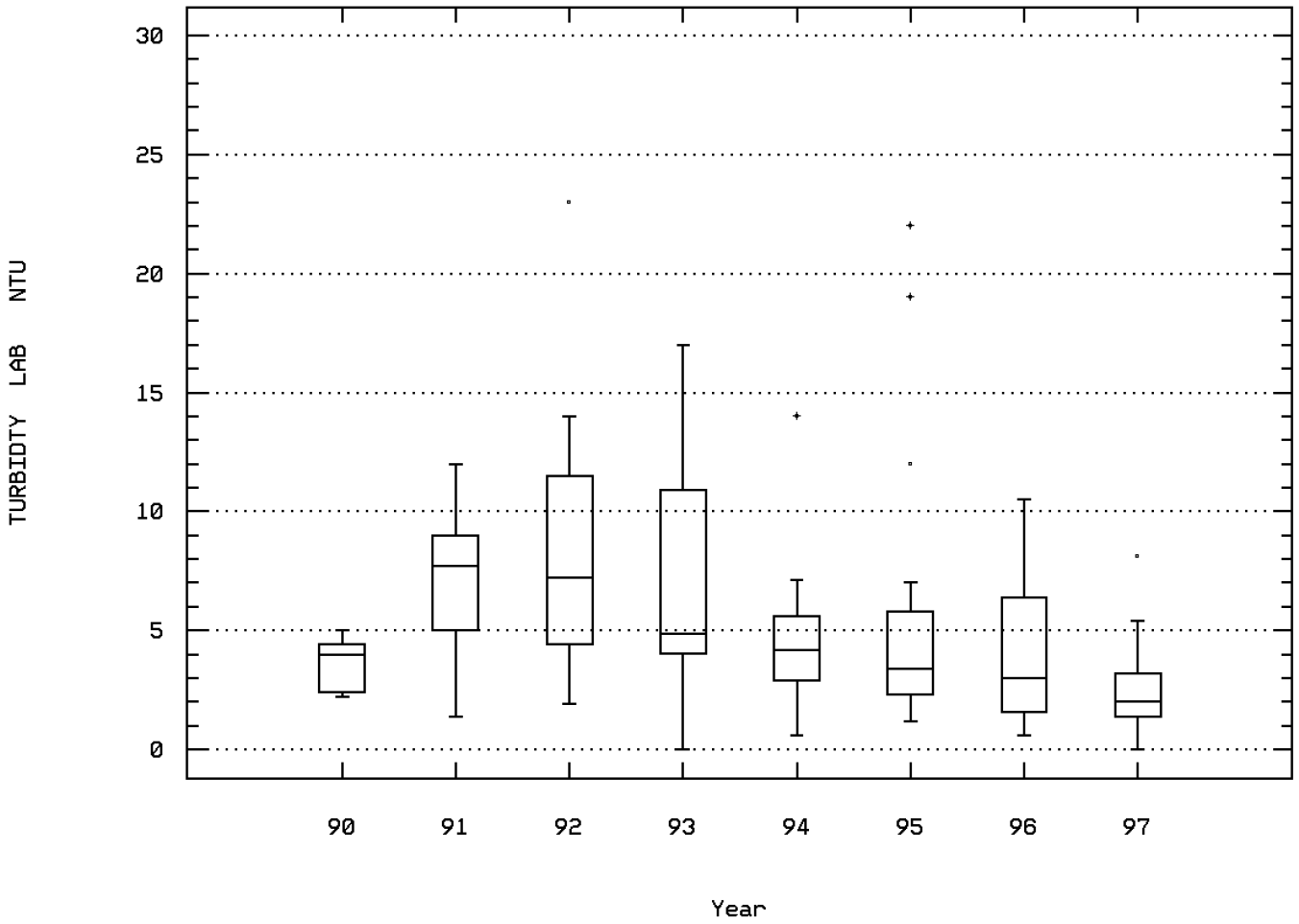
SALINITY BASED ON CONDUCTIVITY



Up creek from station 171

Station: FOMA0013 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Up creek from station 171

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	25	22.8	22.04	28.1	17.3	9.959	3.156	17.4	19.6	24.6	26.08
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	25	8.	10.8	25.	0.	39.167	6.258	3.	6.5	16.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	24	7.3	8.279	15.2	5.6	5.886	2.426	5.8	6.6	9.425	12.05
00403	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	25	8.1	8.044	8.3	7.6	0.035	0.187	7.8	7.9	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	25	8.1	8.003	8.3	7.6	0.037	0.192	7.8	7.9	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	25	0.008	0.01	0.025	0.005	0.	0.005	0.005	0.006	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	25	11.	27.48	240.	1.	2505.927	50.059	1.	5.	33.	73.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	25	1.041	1.008	2.38	0.	0.414	0.643	0.	0.699	1.519	1.831
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.176								
70305	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	22	34.7	33.114	37.8	26.7	12.134	3.483	27.78	29.875	35.725	36.91
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	29	2.	2.483	5.	0.	1.759	1.326	1.	2.	3.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	25	4.5	5.536	14.	1.4	13.237	3.638	1.78	3.1	6.6	12.8

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	76	17.	18.001	28.5	8.7	27.882	5.28	11.59	13.85	22.9	26.29
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	68	10.	10.397	25.	0.	26.482	5.146	5.	7.	14.75	18.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	61	8.2	8.075	15.4	2.1	6.713	2.591	4.72	6.	10.5	10.8
00403	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	68	8.1	8.053	8.4	7.6	0.026	0.161	7.8	8.	8.2	8.21
00403	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	68	8.1	8.022	8.4	7.6	0.027	0.164	7.8	8.	8.2	8.21
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	68	0.008	0.01	0.025	0.004	0.	0.004	0.006	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	68	8.	34.809	920.	1.	13315.948	115.395	1.	2.	32.5	52.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	68	0.903	0.946	2.964	0.	0.438	0.662	0.	0.301	1.512	1.711
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.824								
70305	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	72	32.6	32.457	46.9	16.	17.54	4.188	27.72	30.2	34.7	35.84
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	81	2.	2.16	4.	0.	1.061	1.03	1.	1.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	68	4.2	4.816	22.	0.	15.135	3.89	1.29	2.2	6.	9.64

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/90-06/24/97	33	28.	27.245	30.7	22.	5.196	2.279	23.44	25.7	28.85	29.98
00035	WIND VELOCITY (MILES PER HOUR)	02/14/90-06/24/97	33	6.	7.242	25.	0.	29.752	5.455	0.	5.	10.	14.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/14/90-06/24/97	22	6.6	6.859	10.3	4.	2.197	1.482	4.82	5.975	8.3	8.67
00403	PH, LAB, STANDARD UNITS SU	02/14/90-06/24/97	33	8.1	8.103	8.4	7.5	0.053	0.231	7.68	8.	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	02/14/90-06/24/97	33	8.1	8.033	8.4	7.5	0.058	0.242	7.68	8.	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/90-06/24/97	33	0.008	0.009	0.032	0.004	0.	0.006	0.004	0.005	0.01	0.021
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	02/14/90-06/24/97	33	2.	11.909	130.	1.	581.273	24.11	1.	1.	10.5	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	02/14/90-06/24/97	33	0.301	0.615	2.114	0.	0.359	0.599	0.	0.	1.009	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.117								
70305	SALINITY BASED ON CONDUCTIVITY	02/14/90-06/24/97	33	34.5	33.873	38.5	25.7	9.125	3.021	29.06	32.85	36.1	36.52
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	02/14/90-06/24/97	38	2.	2.184	5.	0.	1.235	1.111	1.	1.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/14/90-06/24/97	33	5.8	7.136	23.	0.	29.075	5.392	1.48	2.55	9.75	15.8

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

Station Inventory for Station: FOMA0014

NPS Station ID: FOMA0014 | LAT/LON: 29.701003/ -81.224337 | Agency: 21FLA | Date Created: 08/16/97
Location: Mouth of residential canal south of inlet | FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): 88055SEAS
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 03080201 | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 03080201 | RF1 Mile Point: 0.000 | Distance from RF1: 2.60 | On/Off RF1:
RF3 Index: 03080201001208.92 | RF3 Mile Point: 9.60 | Distance from RF3: 0.02 | On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-06/30/97	69	22.2	20.058	28.6	4.5	43.892	6.625	9.5	14.6	25.3	27.6
00035	WIND VELOCITY (MILES PER HOUR)	05/09/95-06/30/97	56	7.5	8.5	25.	0.	38.8	6.229	1.4	5.	12.	17.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-06/30/97	42	7.2	7.236	12.	4.6	2.527	1.59	5.13	5.975	8.15	9.74
00403	PH, LAB, STANDARD UNITS SU	05/09/95-06/30/97	56	8.1	8.046	8.3	7.5	0.033	0.181	7.8	7.925	8.2	8.23
00403	CONVERTED PH, LAB, STANDARD UNITS	05/09/95-06/30/97	56	8.1	8.005	8.3	7.5	0.034	0.186	7.8	7.925	8.2	8.23
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-06/30/97	56	0.008	0.01	0.032	0.005	0.	0.005	0.006	0.006	0.012	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	05/09/95-06/30/97	56	5.	23.161	350.	1.	2562.246	50.619	1.	2.	30.5	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	05/09/95-06/30/97	56	0.699	0.853	2.544	0.	0.452	0.672	0.	0.301	1.479	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.126								
70305	SALINITY BASED ON CONDUCTIVITY	05/09/95-06/30/97	69	34.9	35.117	47.4	30.	9.62	3.102	31.8	33.2	36.1	37.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	05/09/95-06/30/97	80	3.	3.325	8.	0.	3.716	1.928	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-06/30/97	56	2.1	3.707	21.	0.	17.315	4.161	1.14	1.4	4.55	7.82

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

EPA Water Quality Criteria Analysis for Station: FOMA0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	42	0	0.00	7	0	0.00	22	0	0.00	13	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	56	0	0.00	9	0	0.00	30	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	56	0	0.00	9	0	0.00	30	0	0.00	17	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	56	0	0.00	9	0	0.00	30	0	0.00	17	0	0.00			

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

Station Inventory for Station: FOMA0015

NPS Station ID: FOMA0015
LAT/LON: 29.701337/ -81.230337
Agency: 21FLA
Date Created: 08/16/97
Location: Mouth of creek southwest of CM 83A
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88171SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	190	22.8	21.238	30.3	5.3	34.791	5.898	12.4	16.6	26.525	28.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	143	8.	9.28	25.	0.	30.189	5.494	4.	6.	12.	16.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	152	7.55	8.027	17.2	0.5	7.14	2.672	5.36	6.4	9.6	11.41
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	143	8.1	8.057	8.4	7.4	0.04	0.2	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	143	8.1	8.005	8.4	7.4	0.043	0.207	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	143	0.008	0.01	0.04	0.004	0.	0.006	0.005	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	143	7.	26.042	540.	1.	4819.435	69.422	1.	2.	21.	67.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	143	0.845	0.854	2.732	0.	0.426	0.652	0.	0.301	1.322	1.815
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.143								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	176	33.8	32.942	46.9	12.4	16.446	4.055	28.44	30.625	35.5	36.4
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	203	3.	3.34	8.	0.	3.394	1.842	1.	2.	5.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	143	4.8	5.544	31.	0.	21.331	4.619	1.48	2.4	6.8	10.

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

EPA Water Quality Criteria Analysis for Station: FOMA0015

				Total	Exceed	Prop.	----------9/15-11/14----------			----------11/15-6/14----------			----------6/15-9/14----------			--------------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.	152	5	0.03	29	0	0.00	90	5	0.06	33	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	143	0	0.00	26	0	0.00	78	0	0.00	39	0	0.00			
		Other-Lo Lim.	6.5	143	0	0.00	26	0	0.00	78	0	0.00	39	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	143	0	0.00	26	0	0.00	78	0	0.00	39	0	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 1990 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	7	21.2	23.	29.4	17.	20.613	4.54	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	6	7.	5.833	10.	0.	11.767	3.43	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	7	7.1	7.229	8.3	6.5	0.356	0.596	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	6	8.1	8.083	8.2	7.9	0.014	0.117	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	6	8.1	8.07	8.2	7.9	0.014	0.118	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	6	0.008	0.009	0.013	0.006	0.	0.002	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	6	7.5	32.5	170.	1.	4548.3	67.441	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	6	0.874	0.814	2.23	0.	0.67	0.818	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.511								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	7	35.4	33.814	35.8	30.8	5.265	2.295	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	7	2.	1.714	2.	1.	0.238	0.488	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	6	4.7	4.3	6.4	2.2	3.148	1.774	**	**	**	**

** - 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 1991 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	22	27.2	25.932	30.1	16.7	13.781	3.712	18.53	24.	28.5	29.7
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	12	8.	8.083	15.	0.	16.265	4.033	1.5	5.25	11.5	14.1
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	14	5.75	5.779	8.3	0.5	4.203	2.05	2.3	4.7	7.525	8.
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	12	8.	8.058	8.4	7.9	0.021	0.144	7.9	8.	8.175	8.34
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	12	8.	8.039	8.4	7.9	0.021	0.146	7.9	8.	8.175	8.34
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	12	0.01	0.009	0.013	0.004	0.	0.003	0.005	0.007	0.01	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	12	5.	10.333	49.	1.	227.333	15.078	1.	1.	10.25	44.2
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	12	0.699	0.641	1.69	0.	0.355	0.596	0.	0.	1.007	1.639
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.38								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	22	33.3	32.718	36.1	27.9	7.658	2.767	28.35	29.875	35.275	35.95
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	22	5.	4.545	7.	1.	2.736	1.654	1.6	3.	6.	6.7
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	12	7.75	7.95	18.	1.2	21.694	4.658	1.53	4.9	9.75	16.8

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

Annual Analysis for 1992 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	28	20.65	20.529	29.	13.3	22.6	4.754	13.4	16.75	24.275	27.24
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	24	8.	9.042	20.	0.	30.737	5.544	2.5	5.	12.	19.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	28	8.05	8.343	15.9	4.9	5.631	2.373	5.8	6.6	9.775	11.05
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	24	8.1	8.096	8.4	7.8	0.029	0.171	7.85	8.	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	24	8.1	8.064	8.4	7.8	0.03	0.174	7.85	8.	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	24	0.008	0.009	0.016	0.004	0.	0.003	0.004	0.006	0.01	0.014
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	24	5.	8.583	33.	1.	82.08	9.06	1.	2.	13.	23.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	24	0.699	0.682	1.519	0.	0.248	0.498	0.	0.301	1.114	1.362
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.803								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	24	35.5	34.846	38.7	26.3	7.377	2.716	30.7	33.925	36.4	38.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	29	3.	2.586	5.	1.	1.394	1.181	1.	2.	3.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	24	6.6	8.242	24.	1.6	29.653	5.445	1.65	4.525	12.	15.5

** - 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 1993 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	26	20.8	20.519	29.1	10.7	35.48	5.957	11.83	16.1	25.6	28.72
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	17	10.	10.294	20.	4.	22.471	4.74	4.	6.5	14.5	16.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	24	10.05	9.533	12.1	6.2	4.138	2.034	6.55	7.675	11.575	12.
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	17	8.1	8.112	8.3	7.9	0.017	0.132	7.9	8.	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	17	8.1	8.093	8.3	7.9	0.018	0.133	7.9	8.	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	17	0.008	0.008	0.013	0.005	0.	0.002	0.005	0.006	0.01	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	17	7.	70.294	540.	1.	31311.971	176.952	1.	3.5	12.5	540.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	17	0.845	0.945	2.732	0.	0.605	0.778	0.	0.5	1.067	2.732
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.815								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	21	35.6	34.971	37.7	32.	2.838	1.685	32.12	33.45	36.1	36.64
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	26	3.	3.654	7.	1.	3.435	1.853	1.	2.	5.25	6.3
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	17	5.9	6.724	21.	2.2	18.519	4.303	2.28	4.15	8.25	11.48

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

Annual Analysis for 1994 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	42	21.35	20.345	29.8	10.3	36.555	6.046	11.73	15.425	25.65	28.01
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	29	10.	10.345	20.	0.	24.02	4.901	5.	6.5	15.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	37	8.7	9.149	17.2	3.4	11.67	3.416	4.62	6.9	10.8	15.84
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	29	8.2	8.107	8.4	7.4	0.05	0.223	7.8	8.	8.25	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	29	8.2	8.038	8.4	7.4	0.055	0.234	7.8	8.	8.25	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	29	0.006	0.009	0.04	0.004	0.	0.007	0.004	0.006	0.01	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	29	17.	31.552	130.	1.	1306.756	36.149	1.	5.	49.	110.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	29	1.23	1.126	2.114	0.	0.441	0.664	0.	0.699	1.69	2.041
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			13.365								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	39	32.2	31.156	36.7	13.5	21.615	4.649	27.6	28.5	34.4	36.4
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	44	3.	3.364	7.	0.	3.307	1.818	1.	2.	4.	6.5
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	29	4.4	4.979	31.	0.7	29.277	5.411	1.8	2.45	5.2	6.7

** - 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 1995 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	17	22.8	19.8	27.6	8.9	34.931	5.91	10.66	14.55	24.8	27.12
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	19	8.	9.421	25.	0.	46.035	6.785	0.	5.	10.	25.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	5	5.6	5.52	7.5	2.	4.797	2.19	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	19	8.1	8.126	8.3	7.7	0.03	0.173	7.8	8.	8.3	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	19	8.1	8.09	8.3	7.7	0.031	0.177	7.8	8.	8.3	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	19	0.008	0.008	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	19	4.	12.	79.	1.	345.667	18.592	1.	1.	17.	33.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	19	0.602	0.685	1.898	0.	0.37	0.608	0.	0.	1.23	1.519
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.841								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	17	33.4	32.888	36.5	27.9	6.465	2.543	29.34	30.1	35.	35.78
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	25	4.	3.68	8.	0.	5.643	2.376	0.	2.	5.	8.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	19	3.3	4.853	17.	1.	15.645	3.955	1.4	2.3	6.4	10.

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

Annual Analysis for 1996 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	30	24.	21.75	30.3	5.3	54.925	7.411	11.12	12.675	28.2	28.6
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	24	7.	8.875	25.	0.	40.984	6.402	0.	5.	12.	18.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	20	6.45	6.35	7.9	4.2	0.825	0.908	5.32	5.625	6.975	7.49
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	24	8.	7.925	8.3	7.5	0.045	0.213	7.6	7.725	8.1	8.15
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	24	8.	7.873	8.3	7.5	0.048	0.22	7.6	7.725	8.1	8.15
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	24	0.01	0.013	0.032	0.005	0.	0.007	0.007	0.008	0.019	0.025
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	24	6.	16.875	170.	1.	1318.027	36.305	1.	2.	11.	51.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	24	0.772	0.773	2.23	0.	0.343	0.586	0.	0.301	1.041	1.63
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.927								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	28	33.25	33.379	46.9	22.9	25.024	5.002	27.28	30.3	35.375	37.27
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	32	2.5	2.906	8.	0.	3.378	1.838	1.	2.	4.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	24	2.95	3.783	8.9	0.7	6.679	2.584	1.05	1.4	5.55	8.65

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

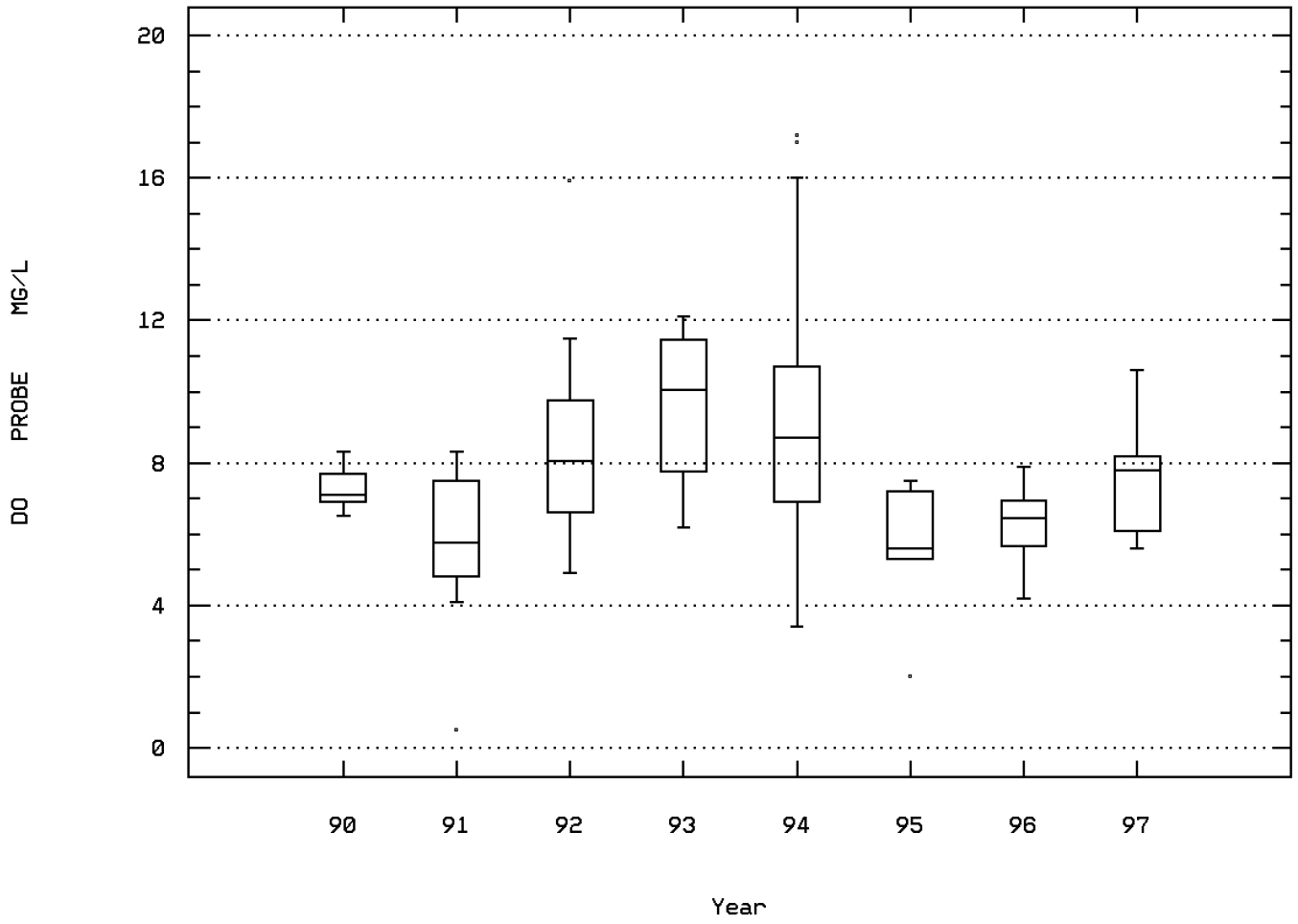
Annual Analysis for 1997 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	18	18.65	19.55	27.7	14.2	20.765	4.557	14.38	15.375	24.525	25.18
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	12	7.5	9.25	20.	0.	35.841	5.987	1.2	5.	15.	18.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	17	7.8	7.829	10.6	5.6	3.24	1.8	5.76	6.1	9.35	10.6
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	12	8.	7.917	8.2	7.4	0.051	0.225	7.46	7.825	8.075	8.17
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	12	8.	7.853	8.2	7.4	0.055	0.234	7.46	7.825	8.075	8.17
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	12	0.01	0.014	0.04	0.006	0.	0.01	0.007	0.008	0.015	0.035
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	12	5.	38.	170.	1.	2812.364	53.032	1.3	4.	79.	142.7
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	12	0.699	1.074	2.23	0.	0.552	0.743	0.09	0.602	1.898	2.131
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			11.856								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	18	32.35	31.211	36.4	12.4	29.127	5.397	24.82	30.15	34.55	36.4
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	18	3.	3.5	6.	1.	2.382	1.543	1.9	2.	5.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	12	2.	2.675	10.	0.	6.617	2.572	0.27	1.15	2.95	8.32

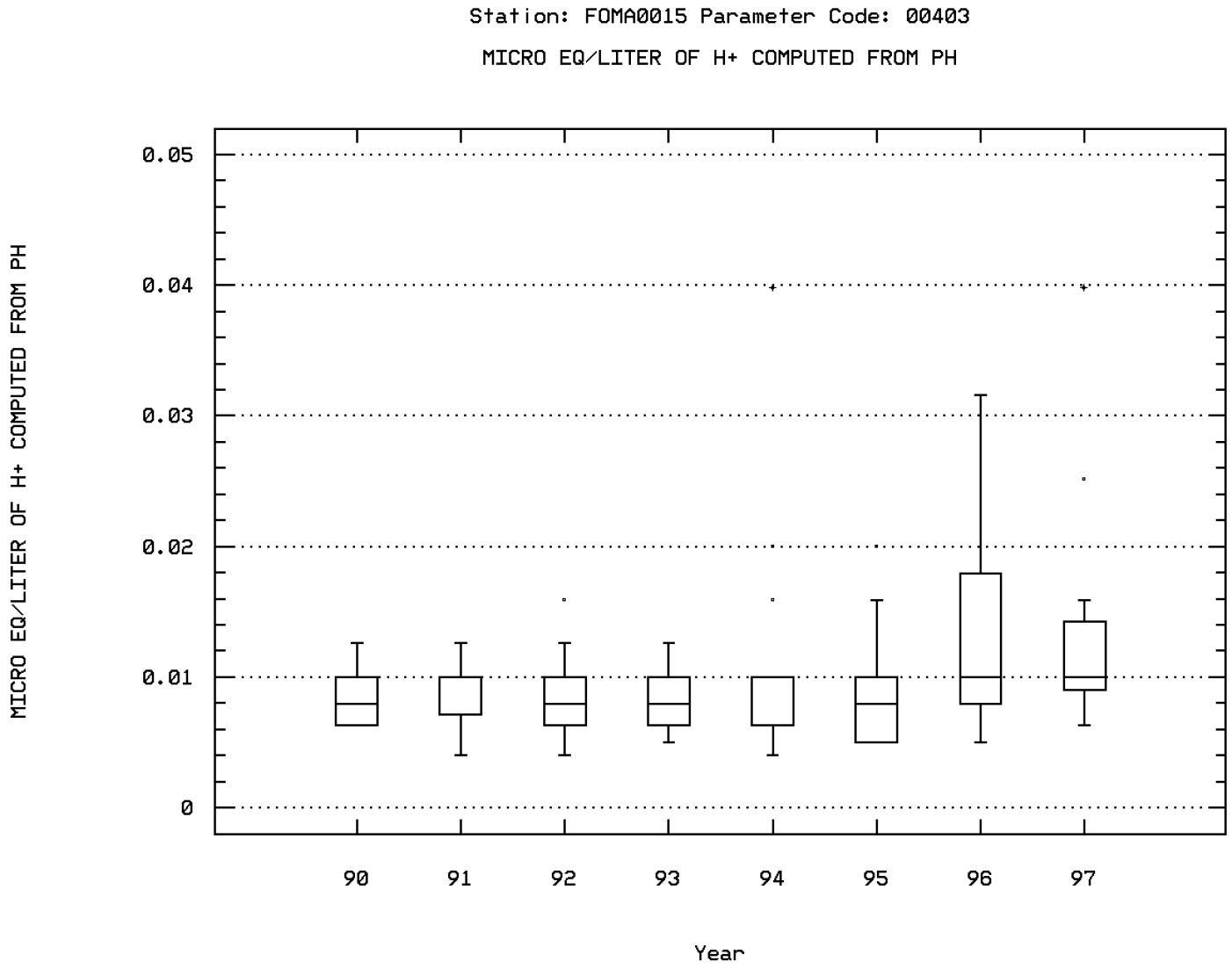
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0015 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



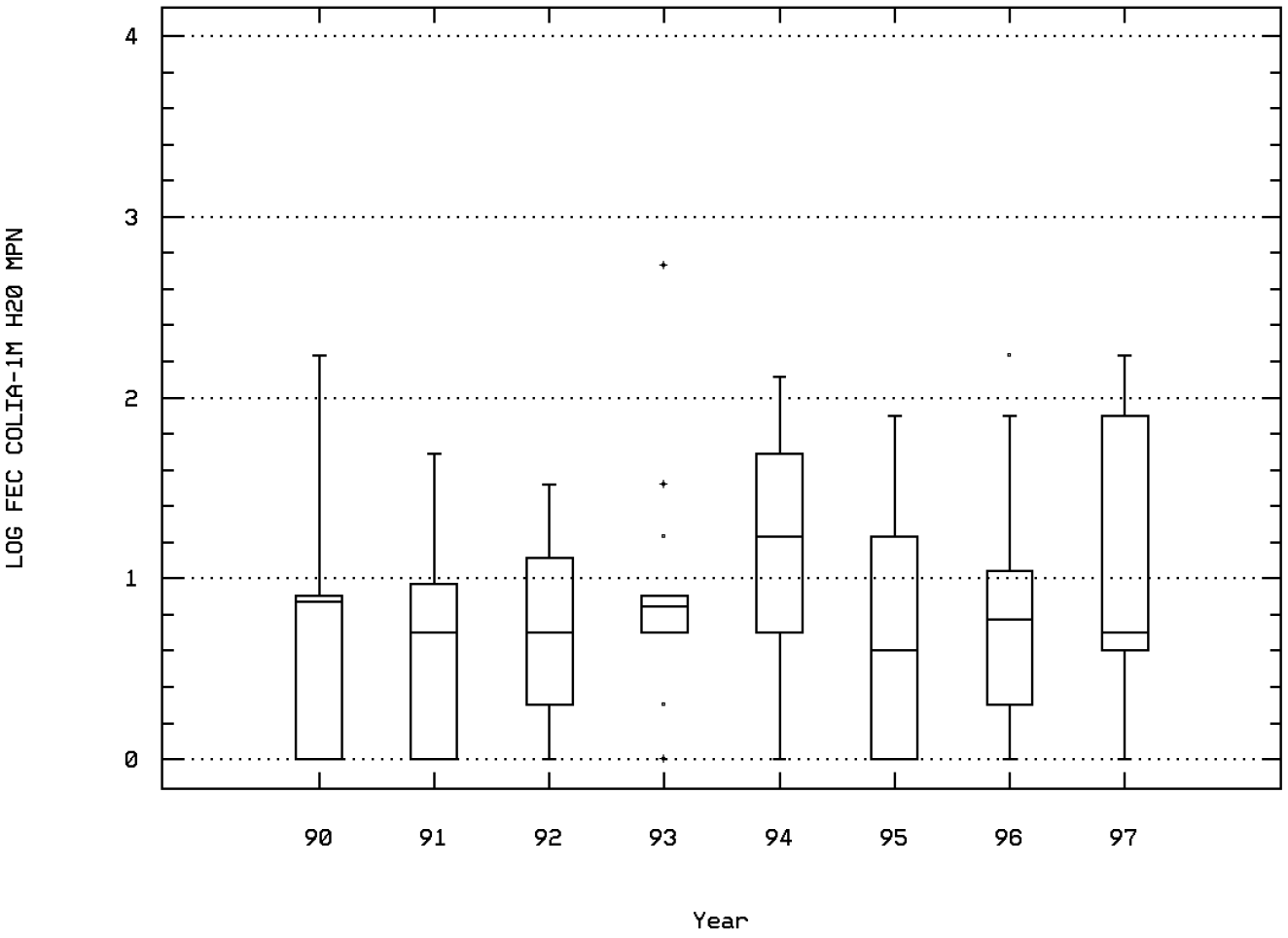
Mouth of creek southwest of CM 83A



Mouth of creek southwest of CM 83A

Station: FOMA0015 Parameter Code: 31621

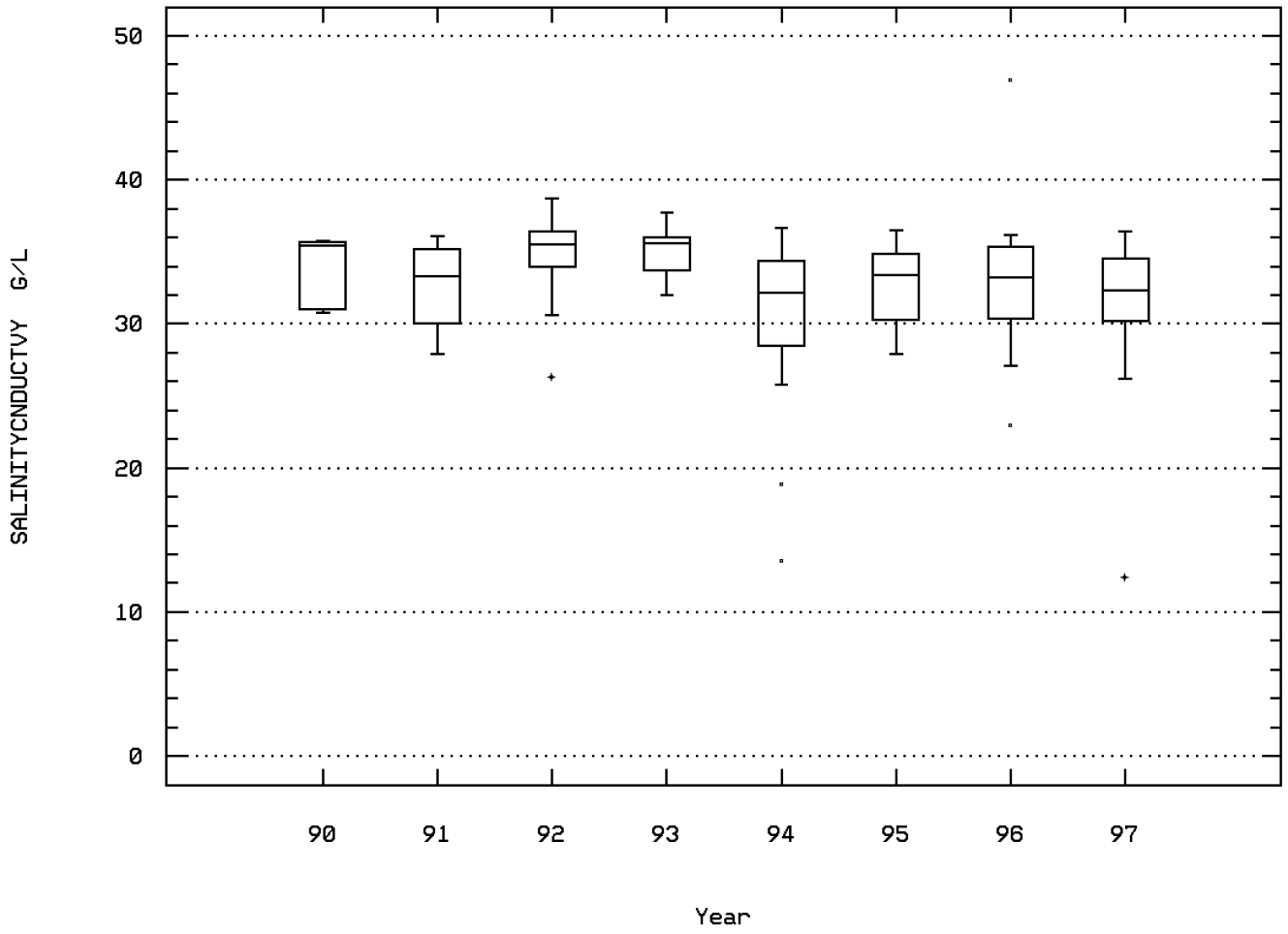
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Mouth of creek southwest of CM 83A

Station: FOMA0015 Parameter Code: 70305

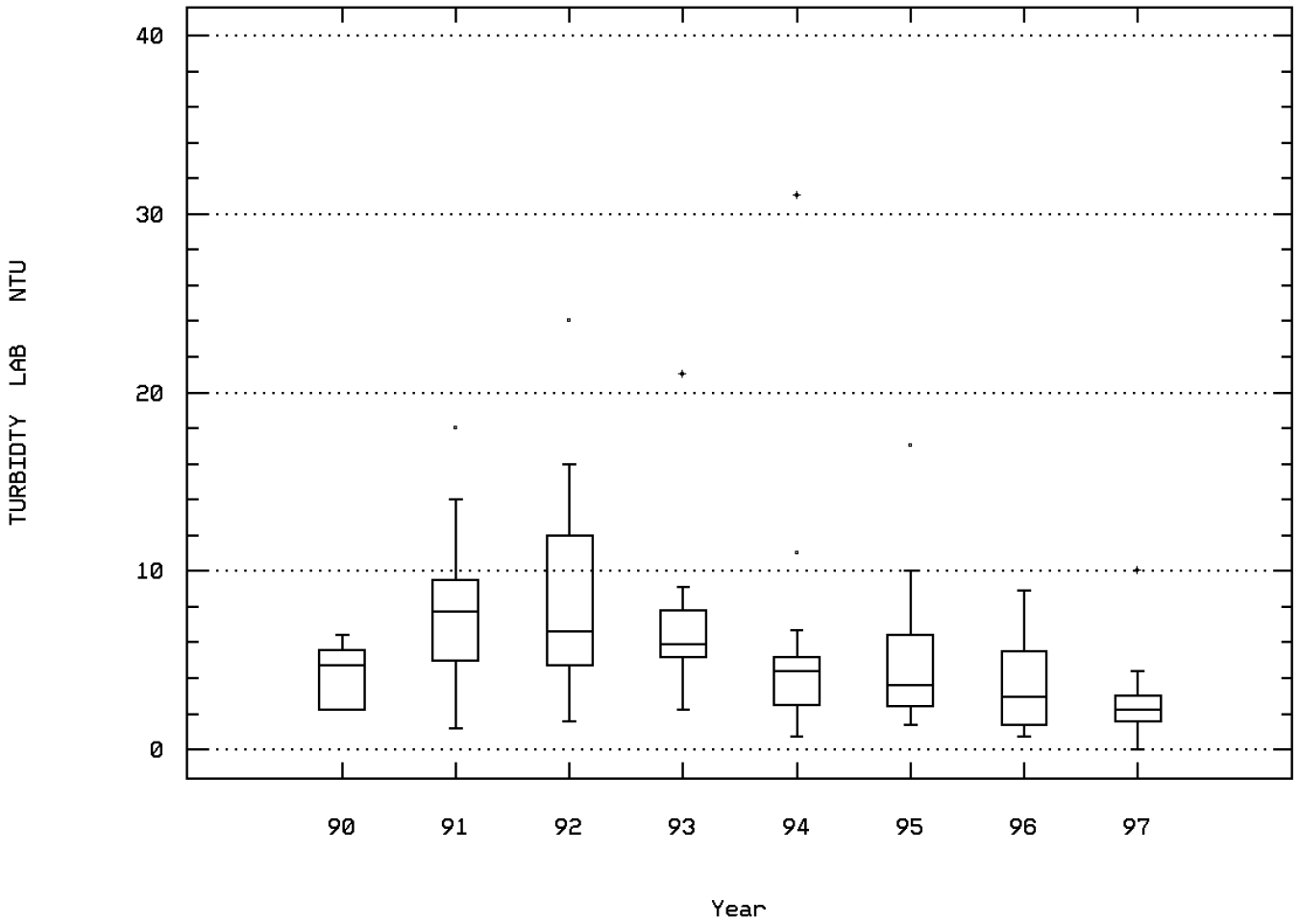
SALINITY BASED ON CONDUCTIVITY



Mouth of creek southwest of CM 83A

Station: FOMA0015 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Mouth of creek southwest of CM 83A

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	31	22.8	22.429	29.	16.7	10.671	3.267	17.46	20.	24.7	27.76
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	26	8.	10.654	25.	0.	38.155	6.177	3.5	6.75	16.	18.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	29	7.4	8.569	16.	4.9	8.285	2.878	5.7	6.8	9.9	13.2
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	26	8.05	8.054	8.4	7.7	0.031	0.177	7.8	7.9	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	26	8.047	8.02	8.4	7.7	0.033	0.181	7.8	7.9	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	26	0.009	0.01	0.02	0.004	0.	0.004	0.005	0.006	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	26	8.	39.077	540.	1.	11670.634	108.031	1.	4.25	18.5	106.3
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	26	0.903	0.951	2.732	0.	0.456	0.676	0.	0.599	1.263	1.997
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.941								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	27	34.8	33.437	38.7	27.6	10.112	3.18	28.3	30.	35.7	36.58
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	35	3.	3.343	7.	0.	4.114	2.028	1.	2.	5.	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	26	4.4	5.038	16.	1.2	12.526	3.539	1.68	2.4	6.25	10.15

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	110	17.15	18.282	28.5	5.3	30.328	5.507	11.43	13.475	23.25	26.49
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	78	10.	9.897	25.	0.	25.288	5.029	5.	6.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	90	7.85	8.214	17.2	0.5	8.339	2.888	4.82	6.25	10.525	11.65
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	78	8.1	8.047	8.4	7.4	0.036	0.191	7.8	8.	8.2	8.21
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	78	8.1	7.998	8.4	7.4	0.039	0.197	7.8	8.	8.2	8.21
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	78	0.008	0.01	0.04	0.004	0.	0.006	0.006	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	78	7.	27.513	540.	1.	4514.799	67.192	1.	2.	25.	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	78	0.845	0.917	2.732	0.	0.422	0.649	0.	0.301	1.394	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.26								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	101	32.7	32.568	46.9	12.4	17.282	4.157	28.26	30.45	34.95	36.2
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	114	3.	3.272	8.	0.	2.784	1.668	1.	2.	4.25	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	78	4.05	5.141	31.	0.	22.305	4.723	1.4	1.975	6.425	9.19

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/24/97	49	27.8	27.122	30.3	21.9	5.158	2.271	23.1	25.5	28.7	29.8
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/24/97	39	6.	7.128	25.	0.	29.641	5.444	0.	4.	10.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/24/97	33	6.9	7.039	10.5	4.2	1.879	1.371	5.5	5.95	8.15	8.82
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/24/97	39	8.1	8.077	8.4	7.5	0.055	0.234	7.7	7.9	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/24/97	39	8.1	8.009	8.4	7.5	0.06	0.244	7.7	7.9	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/24/97	39	0.008	0.01	0.032	0.004	0.	0.006	0.004	0.005	0.013	0.02
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/24/97	39	5.	14.41	170.	1.	923.459	30.388	1.	1.	13.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/24/97	39	0.699	0.663	2.23	0.	0.384	0.619	0.	0.	1.114	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.599								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/24/97	48	34.8	33.45	38.5	13.5	18.166	4.262	29.07	32.325	36.1	36.7
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/24/97	54	3.	3.481	8.	0.	4.33	2.081	1.	2.	5.	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/24/97	39	6.2	6.687	24.	0.9	24.425	4.942	1.8	2.8	8.9	12.

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

Station Inventory for Station: FOMA0016

NPS Station ID: FOMA0016 LAT/LON: 29.704198/ -81.233754 Agency: 21FLA Date Created: / /
Location: ICWW AT CHANNEL CUT TO MATANZAS FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY/BIO STORET Station ID(s): 27010098
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 03080201 Depth of Water: 0 Aquifer:
Major Basin: SOUTH-EAST Elevation: 0 Water Body Id:
Minor Basin: FLORIDA EAST COAST ECO Region:
RF1 Index: 03080201011 RF1 Mile Point: 0.600 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 03080201271900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
SEGMENT 27.1AA BODY OF WATER: INTRACOASTAL WATERWAY INTRACOASTAL WATERWAY #2
INTRACOASTAL WATERWAY AT CHANNEL CUT TO MATANZAS PASS

Parameter Inventory for Station: FOMA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	21	22.	21.319	29.	11.1	24.242	4.924	13.4	18.	26.	27.
00055	VELOCITY, STREAM FT/SEC	03/31/86-05/14/91	4	1.25	1.375	2.	1.	0.229	0.479	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/28/71-07/29/74	13	7.4	8.423	18.	1.8	25.489	5.049	2.28	4.15	11.45	17.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/18/78-05/14/91	9	5.	5.567	12.	1.3	11.763	3.43	1.3	2.55	8.	12.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/18/78-05/14/91	10	1.2	1.226	2.1	0.8	0.145	0.381	0.801	0.953	1.35	2.04
00080	COLOR (PLATINUM-COBALT UNITS)	01/28/71-07/29/74	13	25.	24.615	40.	10.	131.09	11.449	10.	12.5	35.	40.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/18/78-05/14/91	9	15.	21.667	60.	5.	343.75	18.54	5.	7.5	35.	60.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/15/80-05/14/91	8	42900.	43887.5	50900.	40000.	10052678.571	3170.596	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-05/14/91	13	47000.	47324.846	56000.	39000.	16540912.808	4067.052	41109.2	45000.	49462.5	54000.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/04/85-05/14/91	6	7.	7.183	9.5	5.6	1.702	1.304	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	22	7.35	7.205	9.	5.	0.9	0.949	5.96	6.475	7.725	8.59
00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	21	1.2	1.514	5.6	0.4	1.275	1.129	0.5	0.85	1.8	2.76
00340	COD, .25N K2CR2O7 MG/L	01/28/71-11/20/72	9	640.	543.	953.	110.	94607.	307.583	110.	222.5	785.5	953.
00400	PH (STANDARD UNITS)	01/28/71-05/14/91	20	8.105	8.084	8.92	6.9	0.148	0.385	7.63	7.955	8.297	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-05/14/91	20	8.105	7.845	8.92	6.9	0.208	0.456	7.63	7.955	8.297	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-05/14/91	20	0.008	0.014	0.126	0.001	0.001	0.027	0.004	0.005	0.011	0.024
00403	PH, LAB, STANDARD UNITS SU	04/27/71-05/14/91	11	8.	8.036	8.2	7.8	0.017	0.129	7.82	8.	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/27/71-05/14/91	11	8.	8.019	8.2	7.8	0.017	0.13	7.82	8.	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/71-05/14/91	11	0.01	0.01	0.016	0.006	0.	0.003	0.006	0.006	0.01	0.015
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-05/14/91	14	126.5	119.357	140.	19.	901.94	30.032	67.5	117.	135.25	139.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/23/71-07/29/74	11	3.	5.364	19.	0.	42.455	6.516	0.	0.	11.	17.8
00480	SALINITY - PARTS PER THOUSAND	11/13/84-05/14/91	7	35.	34.429	39.	29.	10.619	3.259	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/28/71-11/20/72	8	40875.	40707.5	42590.	36770.	3196792.857	1787.958	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-11/20/72	9	6524.	6963.889	8908.	5718.	1278893.361	1130.882	5718.	6094.5	8122.5	8908.
00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-11/20/72	8	33730.	33675.	35080.	31050.	1423542.857	1193.123	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/28/71-11/20/72	8	40815.	40607.5	42380.	36690.	3108735.714	1763.161	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	20	39.5	62.65	210.	16.	2532.661	50.326	17.	24.	99.75	121.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	19	6.	16.895	63.	0.	406.877	20.171	2.	3.	28.	59.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	20	30.5	44.6	182.	9.	1680.042	40.988	9.4	14.5	60.25	94.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/18/78-05/14/91	9 ##	0.03	0.121	0.84	0.01	0.073	0.27	0.01	0.028	0.047	0.84
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-10/15/80	14	0.06	0.067	0.15	0.	0.003	0.052	0.001	0.02	0.125	0.145
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/18/78-01/27/87	7	0.3	0.542	1.21	0.05	0.197	0.444	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/13/84-05/14/91	7 ##	0.025	0.031	0.08	0.015	0.	0.022	**	**	**	**

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

Parameter Inventory for Station: FOMA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/28/71-08/18/71	8	0.225	0.378	1.07	0.12	0.131	0.362	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/28/71-08/18/71	8	0.02	0.066	0.37	0.	0.016	0.126	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	20	0.095	0.148	0.95	0.03	0.043	0.208	0.03	0.04	0.148	0.341
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/71-01/14/74	11	6000.	5231.818	8400.	3400.	2860636.364	1691.342	3400.	3450.	6200.	8020.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	15	20700.	20443.667	22500.	18000.	1566455.095	1251.581	18049.2	19670.	21200.	22020.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/14/90-05/14/91	2	2875.	2875.	3300.	2450.	361250.	601.041	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/29/74-07/29/74	1	1.21	1.21	1.21	1.21	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/87-05/14/91	3	0.91	1.157	1.8	0.76	0.316	0.562	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/14/90-05/14/91	2	10.	10.	14.	6.	32.	5.657	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/14/90-05/14/91	2	0.962	0.962	1.146	0.778	0.068	0.26	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			9.165								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-07/28/86	19	2.	103.158	1600.	1.	133087.14	364.811	1.	1.	17.	140.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-07/28/86	19	0.301	0.747	3.204	0.	0.888	0.943	0.	0.	1.23	2.146
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5.581								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/14/90-05/14/91	2 ##	3.5	3.5	6.	1.	12.5	3.536	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/14/90-05/14/91	2 ##	0.389	0.389	0.778	0.	0.303	0.55	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.449								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-07/29/74	5	8.	9.8	22.	1.	65.7	8.106	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-07/29/74	5	0.903	0.812	1.342	0.	0.263	0.513	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			6.482								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-07/28/86	12 ##	1.5	5.5	22.	1.	44.455	6.667	1.	1.	9.5	19.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-07/28/86	12 ##	0.151	0.447	1.342	0.	0.277	0.526	0.	0.	0.976	1.274
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.797								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	11/14/90-05/14/91	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			1.								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	11/04/85-01/27/87	5	2.4	3.686	8.71	2.09	8.072	2.841	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	15	0.02	0.026	0.12	0.	0.001	0.034	0.	0.	0.03	0.097
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/28/71-07/29/71	7	0.05	0.049	0.1	0.	0.001	0.034	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	01/18/78-05/14/91	9	10.	9.333	15.	4.	14.813	3.849	4.	6.	13.	15.
82246	NATURAL SUBSTRATE,DIVERSITY INDEX	01/17/78-01/17/78	1	1.047	1.047	1.047	1.047	0.	0.	**	**	**	**
82250	NATURAL SUBSTRATE - NUMBER OF SPECIES	01/17/78-01/17/78	1	4.	4.	4.	4.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FOMA0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	1	0	0.00	8	0	0.00	4	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00	4	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	22	0	0.00	5	0	0.00	12	0	0.00	5	0	0.00			
00400	PH	Marine Chronic	8.5	20	1	0.05	5	0	0.00	11	1	0.09	4	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	5	0	0.00	11	0	0.00	4	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	11	0	0.00	3	0	0.00	6	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	3	0	0.00	6	0	0.00	2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	0	0.00	1	0	0.00	1	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	19	1	0.05	4	0	0.00	10	0	0.00	5	1	0.20			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00	1	0	0.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	12	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00			

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

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	4	21.25	21.25	24.	18.5	7.083	2.661	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	5	7.6	7.44	8.	6.5	0.323	0.568	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	5	1.	1.16	2.2	0.4	0.603	0.777	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/71-05/14/91	5	7.94	7.792	8.2	6.9	0.262	0.512	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-05/14/91	5	7.94	7.479	8.2	6.9	0.384	0.62	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-05/14/91	5	0.011	0.033	0.126	0.006	0.003	0.052	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	4	24.	23.5	29.	17.	24.333	4.933	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	4	3.5	4.25	8.	2.	6.917	2.63	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	4	18.5	19.25	27.	13.	37.583	6.131	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	5	0.108	0.267	0.95	0.045	0.148	0.384	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	2	20250.	20250.	22500.	18000.	10125000.	3181.981	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	2	0.051	0.051	0.082	0.02	0.002	0.044	**	**	**	**

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	13	19.	19.592	27.	11.1	23.976	4.897	11.86	16.	22.55	27.
00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	12	7.5	7.567	9.	6.4	0.633	0.796	6.46	6.925	8.025	8.94
00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	11	1.	1.336	2.9	0.5	0.527	0.726	0.56	0.8	1.9	2.74
00400	PH (STANDARD UNITS)	01/28/71-05/14/91	11	8.1	8.12	8.92	7.6	0.103	0.321	7.66	8.	8.22	8.794
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-05/14/91	11	8.1	8.033	8.92	7.6	0.111	0.334	7.66	8.	8.22	8.794
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-05/14/91	11	0.008	0.009	0.025	0.001	0.	0.006	0.002	0.006	0.01	0.023
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	11	40.	58.545	117.	16.	1443.073	37.988	16.2	21.	101.	114.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	10	10.	22.8	63.	3.	559.067	23.645	3.	4.5	46.25	62.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	11	34.	34.182	64.	9.	475.964	21.817	9.	13.	58.	63.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	11	0.09	0.1	0.26	0.03	0.007	0.084	0.03	0.034	0.11	0.259
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	10	20600.	20355.5	21700.	18082.	1196574.5	1093.88	18203.8	19577.5	21219.75	21660.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	9	0.02	0.015	0.03	0.	0.	0.012	0.	0.003	0.025	0.03

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-05/14/91	4	27.	27.	29.	25.	2.667	1.633	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-05/14/91	5	6.1	6.1	7.3	5.	0.675	0.822	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-05/14/91	5	1.4	2.26	5.6	1.2	3.518	1.876	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/71-05/14/91	4	8.35	8.35	8.4	8.3	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/71-05/14/91	4	8.347	8.347	8.4	8.3	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-05/14/91	4	0.004	0.004	0.005	0.004	0.	0.001	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-05/14/91	5	96.	103.	210.	33.	4790.	69.21	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-05/14/91	5	6.	15.2	40.	0.	317.2	17.81	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-05/14/91	5	82.	87.8	182.	27.	3488.2	59.061	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-05/14/91	4	0.07	0.132	0.35	0.04	0.022	0.148	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	3	21000.	20866.667	21200.	20400.	173333.333	416.333	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-05/14/91	4	0.02	0.04	0.12	0.	0.003	0.057	**	**	**	**

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

Station Inventory for Station: FOMA0017

NPS Station ID: FOMA0017 | LAT/LON: 29.705253/ -81.228587 | Agency: 21FLA | Date Created: / /
Location: ICWW-MATANZAS INLET @ ALA BRIDGE | FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY/BIO | STORET Station ID(s): 27010134
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 03080201 | Depth of Water: 0 | Aquifer:
Major Basin: SOUTH-EAST | Elevation: 0 | Water Body Id:
Minor Basin: FLORIDA EAST COAST | ECO Region:
RF1 Index: 03080201011 | RF1 Mile Point: 0.910 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 03080201234800.00 | RF3 Mile Point: 11.78 | Distance from RF3: 0.08 | On/Off RF3:
Description:
SEGMENT 27.1AA BODY OF WATER: INTRACOASTAL WATERWAY INTRACOASTAL WATERWAY - MATANZAS
INLET-CENTER OF ALA BRIDGE ST JOHNS CO

Parameter Inventory for Station: FOMA0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/73-01/18/78	2	21.	21.	27.	15.	72.	8.485	**	**	**	**
00012	EVAPORATION TEMPERATURE (48 INCHPAN) DEG CENT	10/03/73-10/03/73	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/18/78-01/18/78	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	10/03/73-10/03/73	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/18/78-01/18/78	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/18/78-01/18/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/03/73-01/18/78	2	45750.	45750.	51000.	40500.	55125000.	7424.621	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/03/73-01/18/78	2	7.5	7.5	9.	6.	4.5	2.121	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	10/03/73-01/18/78	2	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/03/73-01/18/78	2	7.75	7.75	8.1	7.4	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/03/73-01/18/78	2	7.622	7.622	8.1	7.4	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/03/73-01/18/78	2	0.024	0.024	0.04	0.008	0.001	0.023	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/18/78-01/18/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/18/78-01/18/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/18/78-01/18/78	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/03/73-01/18/78	2	26.	26.	31.	21.	50.	7.071	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/18/78-01/18/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/03/73-01/18/78	2	19.5	19.5	25.	14.	60.5	7.778	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/73-10/03/73	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-01/18/78	2	0.45	0.45	0.88	0.02	0.37	0.608	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/73-01/18/78	2 ##	0.121	0.121	0.24	0.003	0.028	0.168	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/18/78-01/18/78	1	1.59	1.59	1.59	1.59	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/03/73-10/03/73	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/03/73-01/18/78	2	0.06	0.06	0.09	0.03	0.002	0.042	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/73-01/18/78	2	21585.	21585.	23500.	19670.	7334450.	2708.219	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/03/73-01/18/78	2	9.5	9.5	11.	8.	4.5	2.121	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/03/73-01/18/78	2	0.972	0.972	1.041	0.903	0.01	0.098	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9.381								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/03/73-10/03/73	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/03/73-10/03/73	1	0.845	0.845	0.845	0.845	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			7.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/03/73-01/18/78	2 ##	4.	4.	7.	1.	18.	4.243	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/03/73-01/18/78	2 ##	0.423	0.423	0.845	0.	0.357	0.598	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: FOMA0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.646								
32230	CHLOROPHYLL A (MG/L)	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
32231	CHLOROPHYLL B (MG/L)	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
32232	CHLOROPHYLL C (MG/L)	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/03/73-01/18/78	2	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	01/18/78-01/18/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FOMA0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Marine Chronic	8.5	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	Marine Chronic	8.5	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	0	0.00	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.	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: FOMA0018

NPS Station ID: FOMA0018
LAT/LON: 29.707337/ -81.241838
Agency: 21FLA
Date Created: 08/16/97
Location: Up creek from station 189
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88174SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	98	21.35	20.122	29.7	5.8	36.925	6.077	11.9	14.775	24.925	28.02
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	84	8.	9.702	25.	0.	32.862	5.733	4.	6.	14.	17.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	75	8.	8.115	15.5	2.1	6.086	2.467	5.14	6.7	9.8	11.62
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	84	8.1	8.075	8.5	7.5	0.047	0.216	7.75	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	84	8.1	8.015	8.5	7.5	0.05	0.224	7.75	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	84	0.008	0.01	0.032	0.003	0.	0.006	0.005	0.006	0.01	0.018
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	84	7.5	31.464	350.	1.	3155.408	56.173	1.	2.	42.75	94.5
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	84	0.874	0.93	2.544	0.	0.544	0.737	0.	0.301	1.627	1.97
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.518								
70305	SALINITY BASED ON CONDUCTIVITY	06/17/93-06/24/97	93	33.8	33.362	46.9	22.8	13.173	3.629	28.36	31.1	35.3	36.86
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	111	3.	2.658	6.	0.	2.045	1.43	1.	2.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	84	3.15	4.214	21.	0.5	14.207	3.769	1.1	1.8	5.175	8.9

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

EPA Water Quality Criteria Analysis for Station: FOMA0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	75	5	0.07	20	0	0.00	39	4	0.10	16	1	0.06			
00403	PH, LAB	Marine Chronic	8.5	84	1	0.01	17	0	0.00	44	0	0.00	23	1	0.04			
		Other-Lo Lim.	6.5	84	0	0.00	17	0	0.00	44	0	0.00	23	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	84	0	0.00	17	0	0.00	44	0	0.00	23	0	0.00			

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

Annual Analysis for 1993 - Station FOMA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	14	21.35	21.779	29.6	14.2	24.533	4.953	15.3	17.475	26.1	29.45
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	12	11.	10.75	16.	4.	16.75	4.093	4.6	7.25	14.75	15.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	14	9.9	9.607	12.4	6.1	4.731	2.175	6.25	7.85	11.825	12.2
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	12	8.2	8.167	8.3	7.8	0.03	0.172	7.83	8.05	8.3	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	12	8.2	8.131	8.3	7.8	0.031	0.176	7.83	8.05	8.3	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	12	0.006	0.007	0.016	0.005	0.	0.004	0.005	0.005	0.009	0.015
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	12	12.	21.583	130.	1.	1270.992	35.651	1.3	2.	23.75	100.9
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	12	1.078	0.939	2.114	0.	0.392	0.626	0.09	0.301	1.369	1.935
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.686								
70305	SALINITY BASED ON CONDUCTIVITY	06/17/93-06/24/97	13	35.6	35.408	37.2	33.	1.934	1.391	33.16	34.25	36.85	37.12
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	14	2.	2.286	4.	1.	0.835	0.914	1.	2.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	12	5.2	6.517	21.	1.6	30.038	5.481	1.84	2.75	8.775	18.3

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

Annual Analysis for 1994 - Station FOMA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	32	19.8	19.553	29.7	10.6	32.304	5.684	11.34	13.625	24.4	26.63
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	27	10.	10.704	20.	0.	23.909	4.89	5.8	7.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	29	8.8	8.61	15.5	3.3	7.695	2.774	3.8	6.95	10.2	12.3
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	27	8.2	8.13	8.5	7.7	0.043	0.207	7.78	8.1	8.2	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	27	8.2	8.078	8.5	7.7	0.046	0.214	7.78	8.1	8.2	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	27	0.006	0.008	0.02	0.003	0.	0.005	0.004	0.006	0.008	0.017
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	27	13.	40.074	240.	1.	3228.687	56.822	1.	2.	49.	130.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	27	1.114	1.068	2.38	0.	0.632	0.795	0.	0.301	1.69	2.114
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			11.707								
70305	SALINITY BASED ON CONDUCTIVITY	06/17/93-06/24/97	30	32.1	31.86	37.6	22.8	13.017	3.608	26.9	28.975	34.15	37.44
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	34	2.	2.235	4.	0.	1.398	1.182	1.	1.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	27	3.8	4.333	14.	0.5	9.232	3.038	1.58	2.	5.2	9.08

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

Annual Analysis for 1995 - Station FOMA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	13	22.1	19.115	26.	9.2	35.013	5.917	10.28	13.45	24.15	26.
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	18	8.	9.389	25.	0.	48.722	6.98	0.	5.	11.25	25.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	3	6.8	5.367	7.2	2.1	8.043	2.836	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	18	8.2	8.122	8.3	7.8	0.023	0.152	7.89	8.	8.225	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	18	8.2	8.096	8.3	7.8	0.024	0.154	7.89	8.	8.225	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	18	0.006	0.008	0.016	0.005	0.	0.003	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	18	4.5	34.5	350.	1.	6735.559	82.07	1.	1.	36.25	98.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	18	0.573	0.807	2.544	0.	0.638	0.799	0.	0.	1.555	1.915
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.41								
70305	SALINITY BASED ON CONDUCTIVITY	06/17/93-06/24/97	13	34.9	34.177	36.4	29.	4.394	2.096	29.72	33.5	35.3	36.16
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	22	3.	2.727	6.	0.	2.97	1.723	0.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	18	3.4	4.822	17.	1.	22.101	4.701	1.	1.75	6.375	16.1

** - 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 1996 - Station FOMA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	26	23.25	20.95	28.8	5.8	57.684	7.595	10.38	12.325	28.	28.43
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	19	7.	8.158	25.	0.	36.807	6.067	0.	5.	12.	15.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	17	6.3	6.4	8.3	3.7	0.991	0.996	4.98	6.	6.9	7.66
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	19	8.	7.932	8.3	7.5	0.061	0.247	7.5	7.7	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	19	8.	7.861	8.3	7.5	0.066	0.258	7.5	7.7	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	19	0.01	0.014	0.032	0.005	0.	0.009	0.006	0.008	0.02	0.032
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	19	5.	33.053	170.	1.	2271.053	47.656	1.	2.	70.	110.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	19	0.699	0.975	2.23	0.	0.581	0.762	0.	0.301	1.845	2.041
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.441								
70305	SALINITY BASED ON CONDUCTIVITY	06/17/93-06/24/97	24	34.55	34.55	46.9	28.2	21.303	4.616	29.	31.275	36.	41.7
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	28	3.	3.036	6.	0.	2.851	1.688	0.9	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	19	1.9	2.753	8.1	0.6	4.468	2.114	0.9	1.2	3.4	7.1

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

Annual Analysis for 1997 - Station FOMA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	13	16.2	19.092	28.2	14.6	25.464	5.046	14.64	14.9	24.75	26.88
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	8	6.5	9.125	20.	0.	48.696	6.978	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	12	8.4	8.292	10.7	4.5	2.743	1.656	5.16	7.25	9.575	10.46
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	8	8.05	7.988	8.2	7.6	0.038	0.196	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	8	8.047	7.944	8.2	7.6	0.041	0.201	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	8	0.009	0.011	0.025	0.006	0.	0.006	**	**	**	**
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	8	3.5	6.625	17.	1.	37.982	6.163	**	**	**	**
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	8	0.5	0.623	1.23	0.	0.213	0.461	**	**	**	**
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.202								
70305	SALINITY BASED ON CONDUCTIVITY	06/17/93-06/24/97	13	32.3	31.777	34.6	27.3	5.94	2.437	27.62	29.9	33.95	34.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	13	3.	3.231	5.	2.	1.026	1.013	2.	2.5	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	8	1.9	2.463	5.3	1.	2.397	1.548	**	**	**	**

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

Station Inventory for Station: FOMA0019

NPS Station ID: FOMA0019
LAT/LON: 29.707837/ -81.241003
Agency: 21FLA
Date Created: 08/16/97
Location: Mouth of 2nd creek southwest of CM 81C
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88189SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	119	22.3	20.641	29.5	6.8	38.782	6.228	11.4	15.5	26.	28.1
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	98	8.	9.653	25.	0.	31.961	5.653	4.	6.	14.	16.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	89	7.5	8.221	17.5	2.	8.218	2.867	5.4	6.35	9.35	11.9
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	97	8.1	8.085	8.5	7.3	0.049	0.222	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	97	8.1	8.018	8.5	7.3	0.054	0.232	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	97	0.008	0.01	0.05	0.003	0.	0.007	0.005	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	98	5.	39.48	920.	1.	13892.871	117.868	1.	2.	22.	84.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	98	0.699	0.825	2.964	0.	0.567	0.753	0.	0.301	1.342	1.919
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.69								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/24/97	112	34.45	33.921	46.9	20.	12.934	3.596	30.06	32.625	35.7	36.94
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	131	3.	2.901	8.	0.	2.721	1.649	1.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	98	3.2	4.022	19.	0.	12.56	3.544	1.	1.675	5.35	7.65

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

EPA Water Quality Criteria Analysis for Station: FOMA0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	89	3	0.03	20	0	0.00	47	2	0.04	22	1	0.05			
00403	PH, LAB	Marine Chronic	8.5	97	2	0.02	17	0	0.00	52	0	0.00	28	2	0.07			
		Other-Lo Lim.	6.5	97	0	0.00	17	0	0.00	52	0	0.00	28	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	98	0	0.00	17	0	0.00	53	0	0.00	28	0	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 1993 - Station FOMA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	19	22.1	22.684	29.3	13.2	23.686	4.867	16.8	17.8	27.1	28.9
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	14	10.	10.214	16.	4.	17.412	4.173	4.	6.75	14.25	15.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	18	8.6	9.156	12.4	6.4	4.394	2.096	6.49	7.35	11.325	12.31
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	14	8.2	8.179	8.4	7.8	0.02	0.142	7.95	8.1	8.3	8.35
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	14	8.2	8.154	8.4	7.8	0.021	0.145	7.95	8.1	8.3	8.35
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	14	0.006	0.007	0.016	0.004	0.	0.003	0.004	0.005	0.008	0.012
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	14	8.	26.643	240.	1.	3875.632	62.255	1.	1.75	22.25	136.5
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	14	0.87	0.828	2.38	0.	0.51	0.714	0.	0.226	1.347	1.949
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.728								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/24/97	17	35.5	35.065	37.1	32.6	2.474	1.573	32.68	33.6	36.6	37.02
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	19	3.	2.684	4.	1.	0.784	0.885	2.	2.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	14	5.1	5.814	19.	1.4	18.354	4.284	1.6	3.55	6.4	13.55

** - 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 1994 - Station FOMA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	37	22.2	20.3	29.3	10.1	39.154	6.257	11.12	14.05	25.9	27.92
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	29	10.	10.345	20.	0.	24.02	4.901	5.	6.5	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	31	9.1	9.503	17.5	3.5	13.358	3.655	4.84	7.	11.3	15.62
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	29	8.2	8.172	8.5	7.6	0.048	0.219	7.8	8.05	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	29	8.2	8.113	8.5	7.6	0.051	0.227	7.8	8.05	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	29	0.006	0.008	0.025	0.003	0.	0.005	0.004	0.005	0.009	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	29	6.	29.931	240.	1.	3181.495	56.405	1.	1.5	33.	130.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	29	0.778	0.875	2.38	0.	0.556	0.746	0.	0.151	1.519	2.114
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.497								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/24/97	34	33.65	32.985	39.5	20.2	16.368	4.046	27.45	31.7	34.6	37.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	39	3.	2.897	7.	0.	2.673	1.635	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	29	3.3	3.828	19.	0.4	11.852	3.443	1.4	1.8	4.7	6.7

** - 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 1995 - Station FOMA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	17	22.3	18.894	26.6	8.8	41.809	6.466	8.88	12.7	24.95	26.28
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	19	8.	9.421	25.	0.	46.035	6.785	0.	5.	10.	25.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	5	5.8	5.32	7.1	2.	3.747	1.936	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	19	8.2	8.132	8.3	7.8	0.02	0.142	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	19	8.2	8.108	8.3	7.8	0.021	0.144	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	19	0.006	0.008	0.016	0.005	0.	0.003	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	19	2.	15.	79.	1.	525.333	22.92	1.	2.	17.	70.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	19	0.301	0.735	1.898	0.	0.404	0.636	0.	0.301	1.23	1.845
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.433								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/24/97	17	35.1	34.559	37.1	29.8	3.893	1.973	30.12	33.95	35.8	36.22
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	25	4.	3.44	8.	0.	5.59	2.364	0.	1.5	5.	6.8
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	19	3.5	5.016	15.5	0.9	17.949	4.237	0.9	1.7	7.4	14.

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

Annual Analysis for 1996 - Station FOMA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	30	23.85	21.387	29.5	6.8	54.694	7.396	10.11	12.4	28.1	28.5
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	24	7.	8.875	25.	0.	40.984	6.402	0.	5.	12.	18.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	20	6.3	6.345	8.2	3.7	0.904	0.951	5.4	5.925	7.05	7.49
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	24	8.	7.967	8.3	7.5	0.044	0.21	7.6	7.8	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	24	8.	7.914	8.3	7.5	0.047	0.217	7.6	7.8	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	24	0.01	0.012	0.032	0.005	0.	0.007	0.006	0.008	0.016	0.025
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	24	2.	56.	920.	1.	35594.957	188.666	1.	1.	16.25	150.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	24	0.301	0.733	2.964	0.	0.664	0.815	0.	0.	1.209	2.172
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.41								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/24/97	28	34.55	34.879	46.9	28.2	16.577	4.071	29.99	33.075	36.075	37.81
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	32	2.5	2.625	4.	0.	1.661	1.289	1.	2.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	24	2.2	3.342	11.3	0.7	7.996	2.828	0.8	1.05	5.5	7.7

** - 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 FOMA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/24/97	16	18.75	19.463	26.5	13.1	20.724	4.552	13.17	15.575	24.175	25.38
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/24/97	12	7.5	9.25	20.	0.	35.841	5.987	1.2	5.	15.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/24/97	15	7.8	7.92	10.8	5.1	2.502	1.582	5.82	6.5	9.	10.62
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/24/97	11	8.	7.909	8.2	7.3	0.071	0.266	7.36	7.8	8.1	8.18
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/24/97	11	8.	7.818	8.2	7.3	0.08	0.283	7.36	7.8	8.1	8.18
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/24/97	11	0.01	0.015	0.05	0.006	0.	0.013	0.007	0.008	0.016	0.045
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/24/97	12	6.5	83.25	540.	1.	30375.114	174.285	1.	2.	42.5	483.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/24/97	12	0.801	1.031	2.732	0.	0.842	0.918	0.	0.175	1.608	2.676
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.735								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/24/97	16	32.5	32.344	36.8	20.	14.784	3.845	27.42	31.1	34.675	36.66
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/24/97	16	2.	2.875	6.	1.	2.783	1.668	1.	2.	4.5	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/24/97	12	1.7	2.192	5.2	0.	2.248	1.499	0.3	1.1	3.35	4.87

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

Station Inventory for Station: FOMA0020

NPS Station ID: FOMA0020
LAT/LON: 29.708338/ -81.230004
Agency: 11EPAMW
Date Created: 07/28/78
Location: ST AUGUSTINE FLORIDA
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 5000 /STA
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin: ATLANTIC OCEAN
Elevation: 0
Water Body Id:
Minor Basin: ATLANTIC OCEAN
ECO Region:
RF1 Index: 03080201011
RF1 Mile Point: 0.810
Distance from RF1: 3.50
On/Off RF1: ON
RF3 Index: 03080201214600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0020

Parameter		Period of Record	Obs		Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	12/04/76-12/04/76	1		1.	1.	1.	1.	0.	0.	**	**	**	**
81623	PCB - 1254 IN SHELLFISH TISSUE DRY WEIGHT UG/KG	12/04/76-12/04/76	1		149.	149.	149.	149.	0.	0.	**	**	**	**
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	12/04/76-12/04/76	1	##	5.05	5.05	5.05	5.05	0.	0.	**	**	**	**
81627	ZINC IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	1		830.	830.	830.	830.	0.	0.	**	**	**	**
81628	NICKEL IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	1		1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
81633	LEAD IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	1		0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81634	CADMIUM IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	1		1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
81635	SILVER IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	1		0.81	0.81	0.81	0.81	0.	0.	**	**	**	**
81636	COPPER IN SHELLFISH TISSUE DRY WEIGHT MG/KG	12/04/76-12/04/76	1		25.	25.	25.	25.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: FOMA0021

NPS Station ID: FOMA0021
LAT/LON: 29.717003/ -81.234003
Agency: 21FLA
Date Created: 08/16/97
Location: Across from Fort Matanzas at creek mouth
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88011SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	218	20.8	19.945	29.1	5.	35.602	5.967	11.19	15.675	24.9	27.4
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	150	7.	8.413	25.	0.	31.546	5.617	2.	5.	12.	16.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	175	8.3	8.486	17.3	2.2	5.689	2.385	5.7	7.	9.9	11.64
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	150	8.2	8.14	8.5	7.4	0.033	0.182	7.9	8.1	8.225	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	150	8.2	8.097	8.5	7.4	0.035	0.187	7.9	8.1	8.225	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	150	0.006	0.008	0.04	0.003	0.	0.004	0.005	0.006	0.008	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	150	2.	18.027	350.	1.	2348.147	48.458	1.	1.	11.	48.7
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	150	0.301	0.646	2.544	0.	0.424	0.651	0.	0.	1.041	1.687
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.427								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	204	34.85	34.749	47.3	25.8	7.677	2.771	31.95	33.	36.175	37.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	233	4.	5.356	20.	0.	19.015	4.361	1.	2.	8.	12.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	150	3.2	4.695	26.	0.	19.307	4.394	1.2	1.8	6.4	8.7

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

EPA Water Quality Criteria Analysis for Station: FOMA0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	175	3	0.02	31	0	0.00	105	3	0.03	39	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	150	4	0.03	27	0	0.00	83	1	0.01	40	3	0.08			
		Other-Lo Lim.	6.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	0	0.00	27	0	0.00	83	0	0.00	40	0	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 1990 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	12	20.8	21.583	28.2	16.3	24.64	4.964	16.3	16.4	27.075	28.17
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	4.5	4.333	10.	0.	11.467	3.386	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	12	8.65	8.825	17.3	5.8	9.113	3.019	5.83	6.925	9.55	15.11
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.1	8.133	8.3	8.	0.011	0.103	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.1	8.123	8.3	8.	0.011	0.104	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.008	0.008	0.01	0.005	0.	0.002	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	3.5	6.667	23.	1.	71.467	8.454	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.5	0.544	1.362	0.	0.295	0.543	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.501								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	12	34.65	34.35	36.1	32.1	2.454	1.566	32.13	32.8	35.7	36.07
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	12	3.5	6.167	18.	1.	42.697	6.534	1.	1.	10.	18.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	1.8	1.933	3.4	1.	0.779	0.882	**	**	**	**

** - 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

Annual Analysis for 1991 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	24	25.85	24.304	28.5	16.5	14.163	3.763	18.05	20.9	27.125	28.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	12	5.5	5.833	12.	0.	10.152	3.186	0.9	4.	7.75	11.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	18	6.7	6.872	9.4	4.5	1.897	1.377	5.22	5.775	8.325	8.68
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	12	8.2	8.158	8.3	8.	0.006	0.079	8.03	8.1	8.2	8.27
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	12	8.2	8.152	8.3	8.	0.006	0.08	8.03	8.1	8.2	8.27
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	12	0.006	0.007	0.01	0.005	0.	0.001	0.005	0.006	0.008	0.009
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	12	1.	2.667	8.	1.	7.515	2.741	1.	1.	4.25	8.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	12	0.	0.259	0.903	0.	0.136	0.369	0.	0.	0.599	0.903
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			1.815								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	24	35.1	34.871	37.1	32.3	1.804	1.343	32.55	34.3	35.975	36.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	24	9.5	10.5	17.	4.	11.739	3.426	6.	9.	12.	16.5
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	12	3.7	4.483	8.	1.8	4.969	2.229	1.86	2.425	6.375	7.88

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

Annual Analysis for 1992 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	41	20.4	20.288	28.8	12.	23.857	4.884	13.58	15.85	23.7	28.28
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	24	7.5	9.042	20.	0.	26.303	5.129	5.	5.	14.25	17.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	41	8.6	8.961	14.7	5.8	4.671	2.161	6.32	7.35	10.6	11.64
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	24	8.2	8.2	8.5	7.9	0.021	0.144	8.	8.1	8.3	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	24	8.2	8.177	8.5	7.9	0.021	0.146	8.	8.1	8.3	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	24	0.006	0.007	0.013	0.003	0.	0.002	0.004	0.005	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	24	1.5	6.042	33.	1.	82.476	9.082	1.	1.	7.	23.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	24	0.151	0.44	1.519	0.	0.276	0.525	0.	0.	0.845	1.316
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.753								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	35	35.9	35.674	40.6	28.	4.903	2.214	33.26	34.5	36.7	38.52
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	43	9.	8.86	20.	1.	18.599	4.313	2.	7.	11.	14.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	24	5.4	6.971	26.	1.6	41.883	6.472	1.75	2.325	8.2	19.

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

Annual Analysis for 1993 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	26	20.1	19.915	29.1	10.2	39.877	6.315	10.64	15.475	25.675	28.37
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	10.	9.588	20.	0.	30.007	5.478	0.	6.	14.	16.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	24	9.8	9.621	12.5	5.5	3.585	1.893	6.65	8.4	11.3	12.15
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.2	8.182	8.4	7.9	0.019	0.138	7.98	8.1	8.25	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.2	8.162	8.4	7.9	0.019	0.14	7.98	8.1	8.25	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.006	0.007	0.013	0.004	0.	0.002	0.004	0.006	0.008	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	2.	13.118	110.	1.	701.485	26.486	1.	2.	12.	48.4
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.301	0.658	2.041	0.	0.352	0.593	0.	0.301	1.078	1.623
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.549								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	21	35.7	35.11	38.4	32.1	4.577	2.139	32.3	32.9	37.	37.96
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	26	3.	3.731	13.	1.	8.525	2.92	2.	2.	3.5	7.4
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	6.4	6.318	14.	1.9	11.154	3.34	2.38	3.4	7.9	12.4

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

Annual Analysis for 1994 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	42	17.8	18.133	27.3	9.9	30.889	5.558	10.43	13.	22.5	25.48
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	8.	9.	18.	0.	24.571	4.957	3.	5.	13.	16.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	38	9.4	9.279	15.8	3.4	8.221	2.867	5.29	7.25	11.425	13.3
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.3	8.245	8.5	7.8	0.026	0.162	8.	8.15	8.35	8.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.3	8.214	8.5	7.8	0.027	0.165	8.	8.15	8.35	8.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.005	0.006	0.016	0.003	0.	0.003	0.003	0.004	0.007	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	5.	24.862	170.	1.	1718.052	41.449	1.	1.	41.	79.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	0.699	0.823	2.23	0.	0.55	0.742	0.	0.	1.604	1.898
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.657								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	39	33.1	32.933	39.9	25.8	10.075	3.174	28.	31.2	34.4	37.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	44	3.	3.727	16.	0.	9.97	3.158	1.5	2.	4.	7.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	3.4	4.534	23.	1.4	16.979	4.121	1.4	2.2	5.5	8.5

** - 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 1995 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	18	22.4	19.022	25.6	8.5	33.185	5.761	10.75	13.	23.625	23.98
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	20	7.5	8.7	25.	0.	58.116	7.623	0.	3.5	11.5	24.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	4	8.1	7.175	10.3	2.2	12.183	3.49	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	20	8.2	8.19	8.3	7.9	0.013	0.112	8.01	8.1	8.3	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	20	8.2	8.175	8.3	7.9	0.013	0.113	8.01	8.1	8.3	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	20	0.006	0.007	0.013	0.005	0.	0.002	0.005	0.005	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	20	3.5	11.35	49.	1.	221.292	14.876	1.	1.	16.25	44.7
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	20	0.5	0.672	1.69	0.	0.38	0.617	0.	0.	1.209	1.648
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.699								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	18	35.9	35.411	40.1	29.9	6.863	2.62	29.99	34.475	36.1	40.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	26	3.	3.038	7.	0.	5.158	2.271	0.	1.	5.25	6.3
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	20	3.05	5.21	24.	0.9	29.745	5.454	1.04	1.65	8.075	10.82

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	33	18.5	18.515	28.2	5.	68.258	8.262	8.22	10.1	27.4	27.92
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	28	6.	8.464	25.	0.	39.739	6.304	2.	5.	11.5	20.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	17	6.2	6.376	7.9	4.4	0.874	0.935	5.2	5.7	7.1	7.82
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	28	8.1	8.021	8.3	7.7	0.028	0.166	7.79	7.9	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	28	8.1	7.989	8.3	7.7	0.029	0.17	7.79	7.9	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	28	0.008	0.01	0.02	0.005	0.	0.004	0.006	0.008	0.013	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	28	3.5	27.536	350.	1.	5751.295	75.837	1.	2.	8.	66.1
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	28	0.5	0.694	2.544	0.	0.475	0.689	0.	0.301	0.903	1.755
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.948								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	33	36.	36.203	47.3	30.	12.785	3.576	32.64	34.75	36.6	40.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	36	2.	3.25	15.	0.	10.079	3.175	1.	2.	4.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	28	2.2	3.593	11.8	0.6	9.495	3.081	0.88	1.	6.15	8.34

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

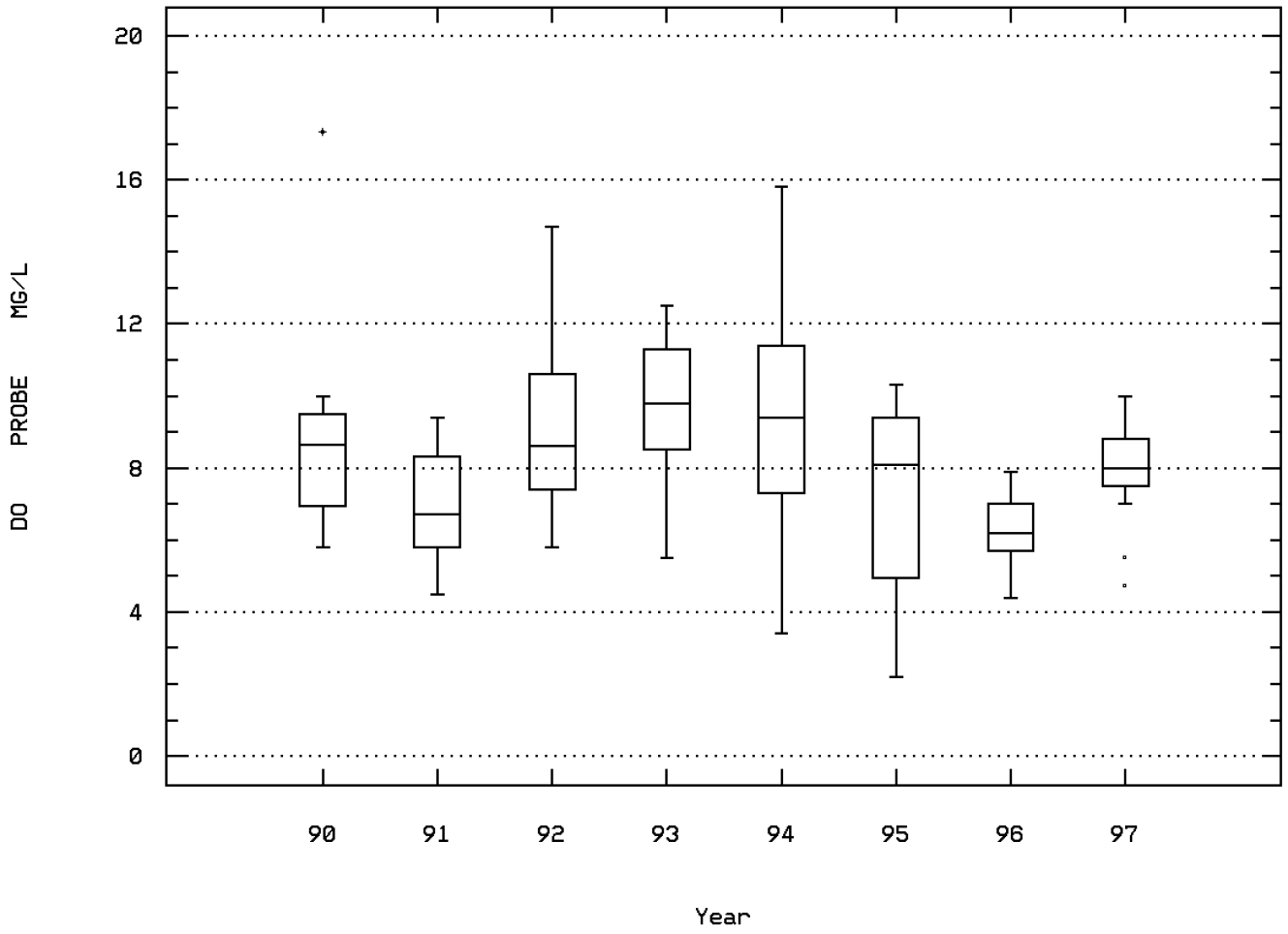
Annual Analysis for 1997 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	22	20.75	20.055	27.7	13.7	21.373	4.623	13.88	15.175	24.225	25.6
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	7.5	8.143	16.	0.	27.363	5.231	1.	4.	12.75	15.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	21	8.	7.971	10.	4.7	1.647	1.283	5.8	7.35	8.85	9.66
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	7.95	7.921	8.2	7.4	0.057	0.239	7.5	7.775	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	7.947	7.854	8.2	7.4	0.062	0.249	7.5	7.775	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.011	0.014	0.04	0.006	0.	0.009	0.006	0.008	0.017	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	5.	38.929	350.	1.	8489.302	92.137	1.	1.75	33.	214.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	0.699	0.86	2.544	0.	0.634	0.796	0.	0.226	1.519	2.221
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.25								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	22	33.05	33.509	37.1	31.7	2.286	1.512	31.8	32.35	34.575	36.31
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	22	3.	3.818	7.	2.	2.823	1.68	2.	2.	5.	6.7
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	1.7	1.993	5.6	0.	1.675	1.294	0.5	1.4	2.3	4.5

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

Station: FOMA0021 Parameter Code: 00299

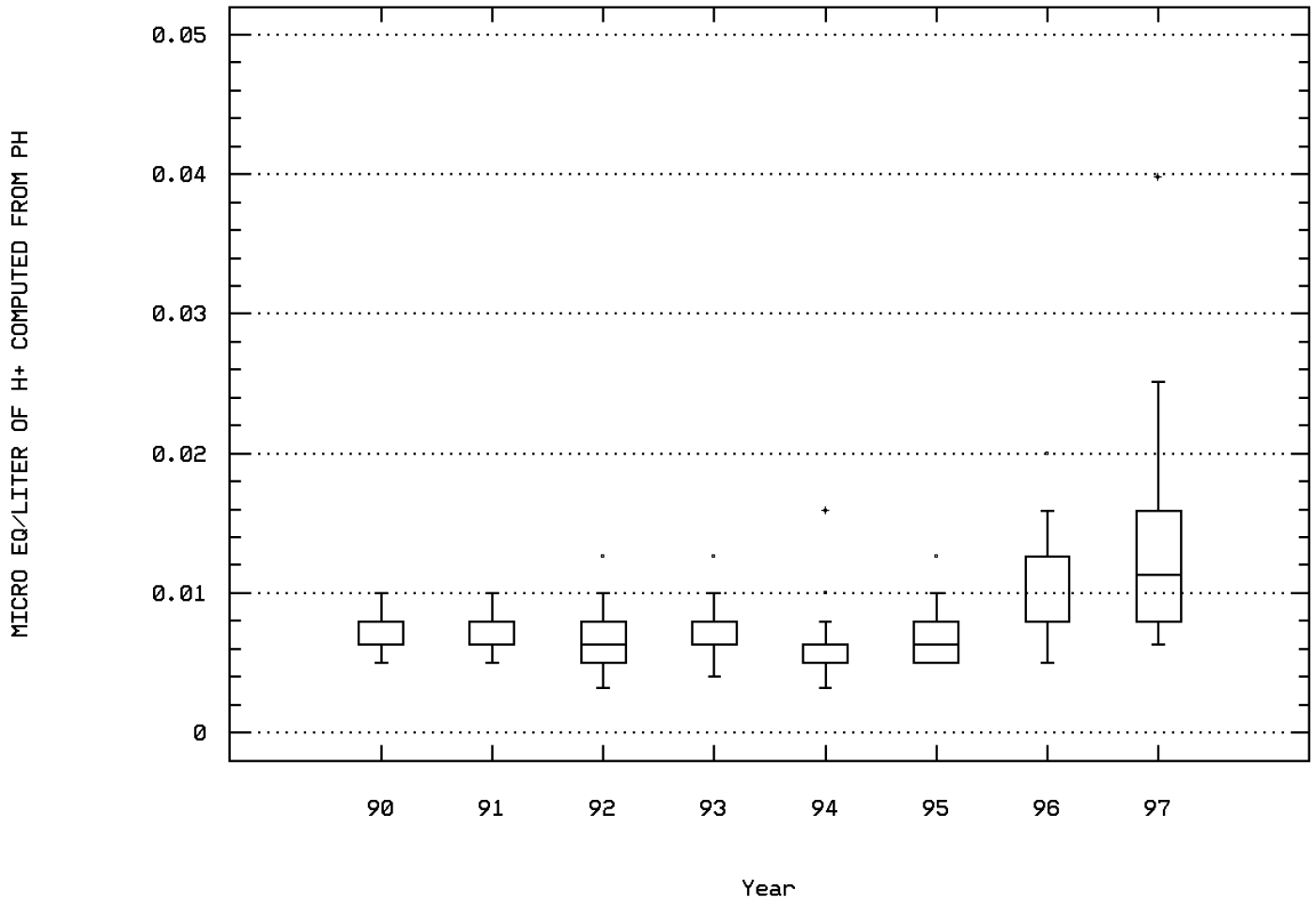
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



Across from Fort Matanzas at creek mout

Station: FOMA0021 Parameter Code: 00403

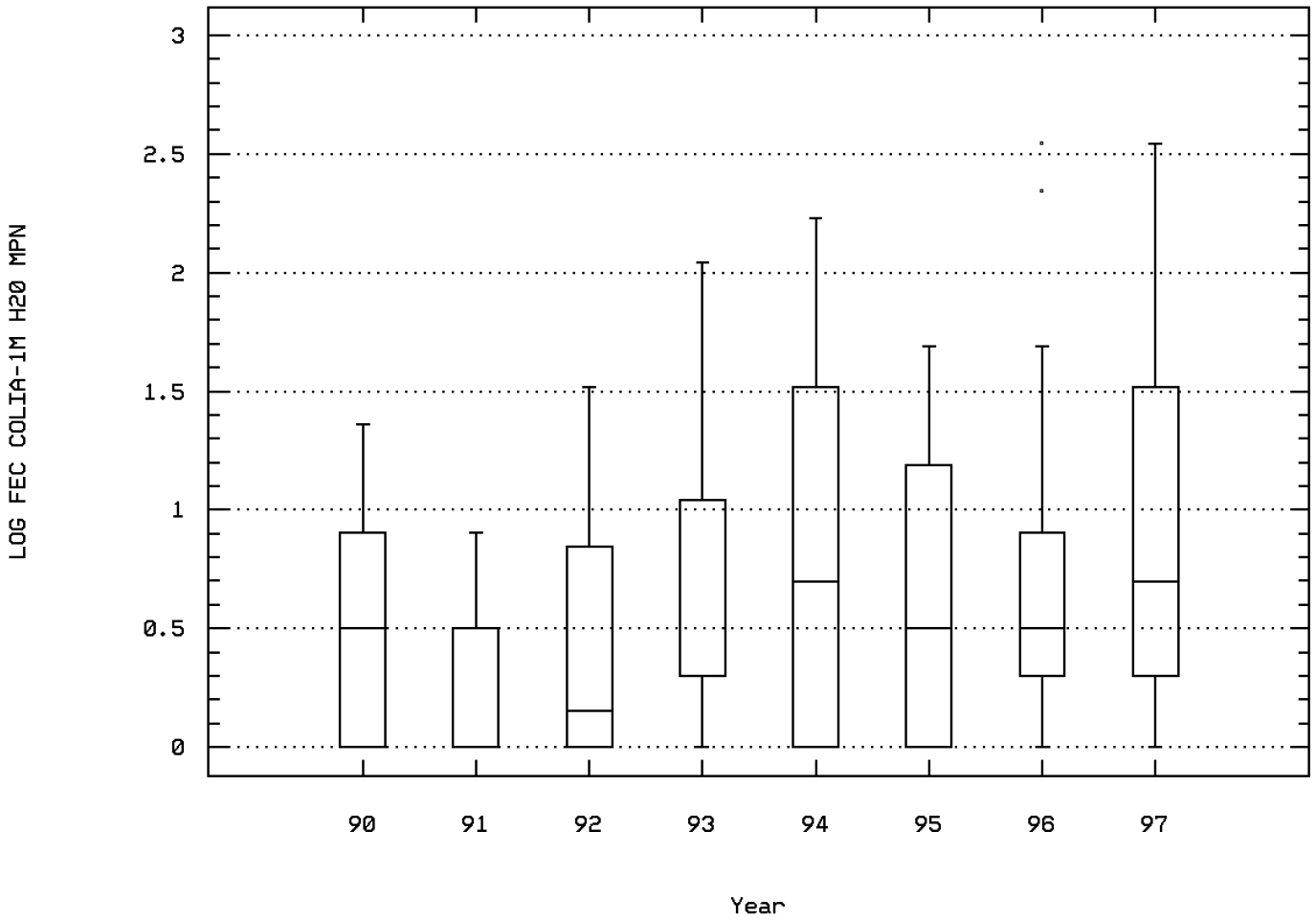
MICRO EQ/LITER OF H+ COMPUTED FROM PH



Across from Fort Matanzas at creek mout

Station: FOMA0021 Parameter Code: 31621

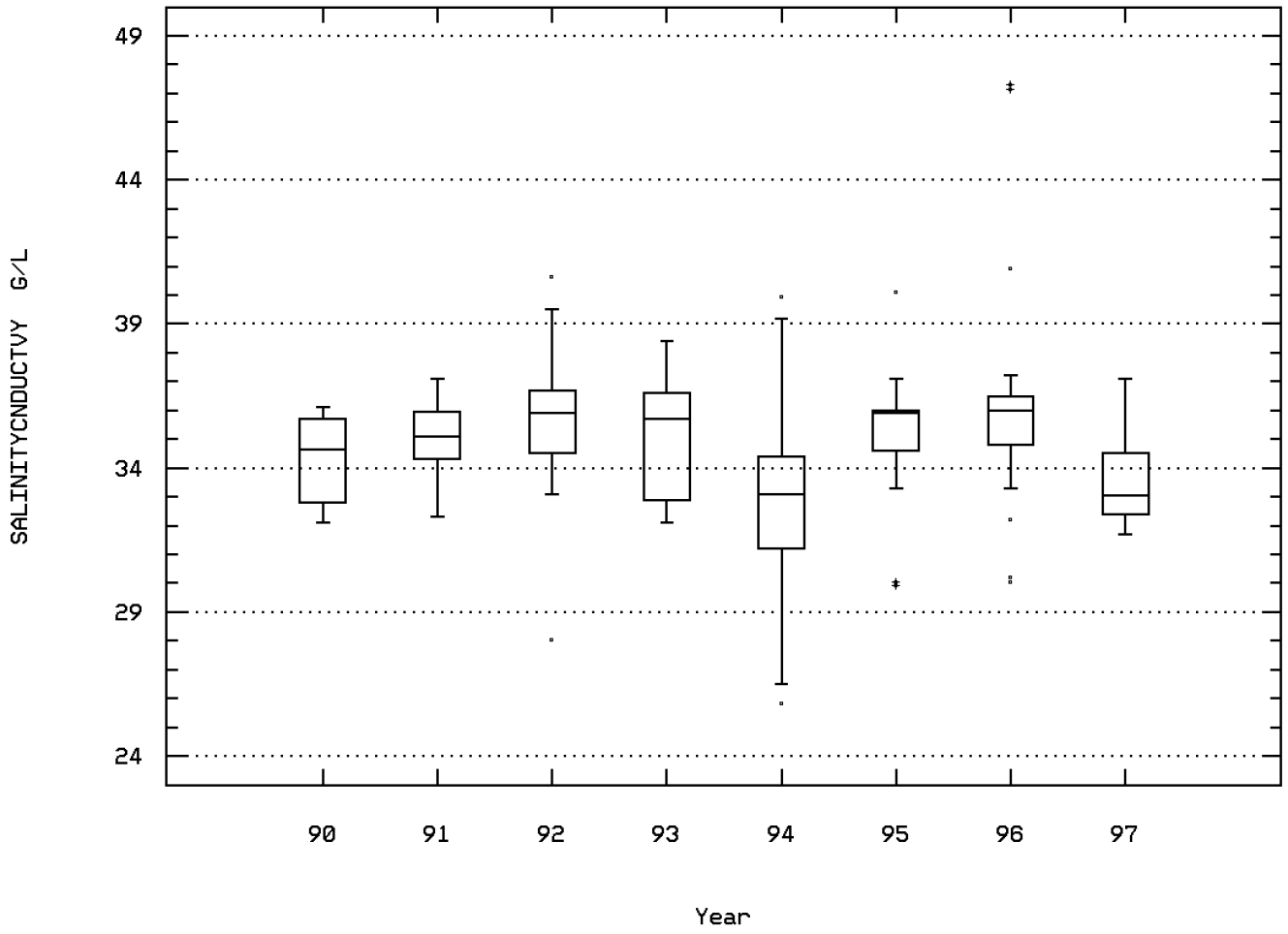
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Across from Fort Matanzas at creek mout

Station: FOMA0021 Parameter Code: 70305

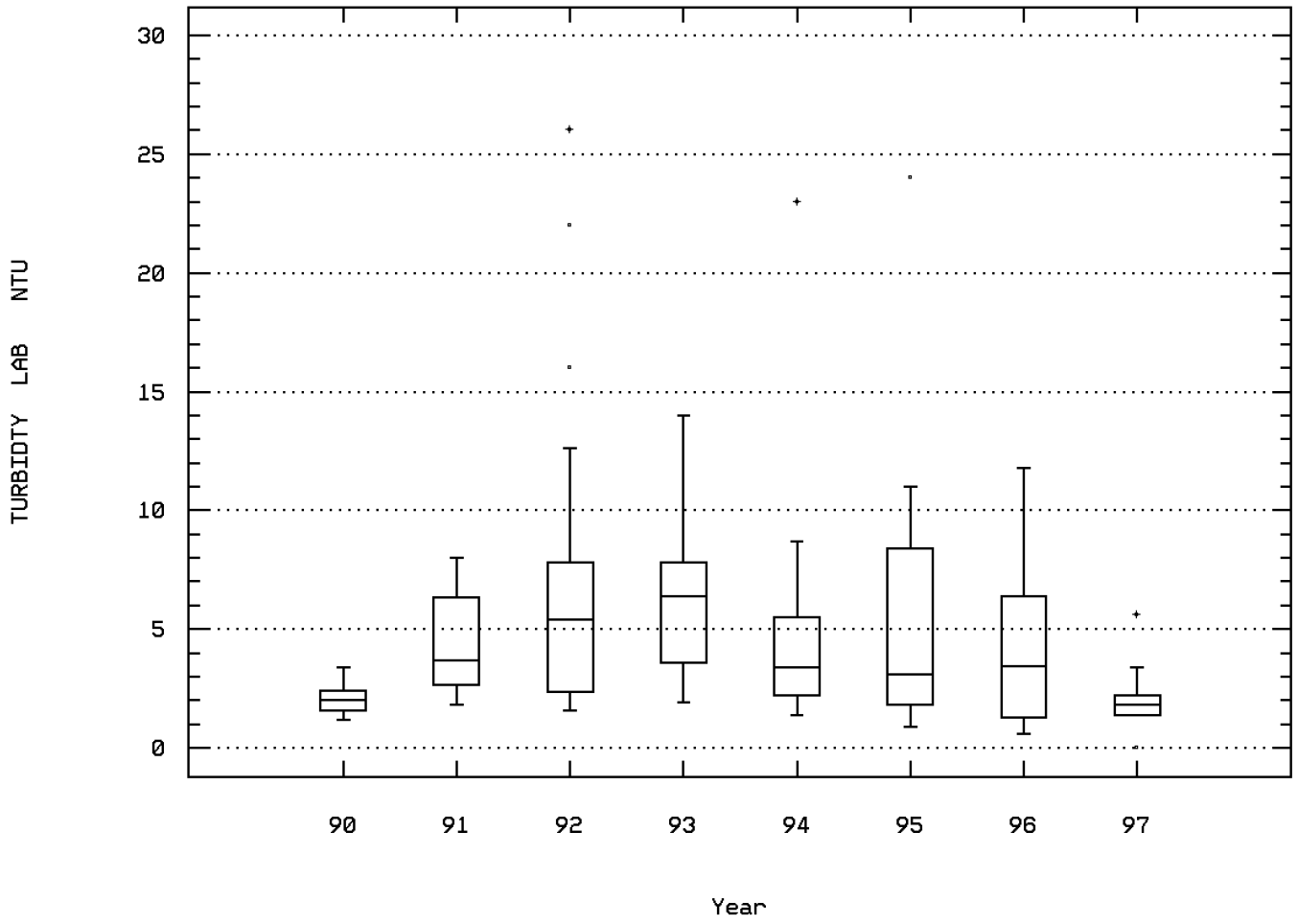
SALINITY BASED ON CONDUCTIVITY



Across from Fort Matanzas at creek mout

Station: FOMA0021 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Across from Fort Matanzas at creek mout

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	33	22.	21.982	28.8	16.	12.585	3.548	17.	19.1	24.45	27.4
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	27	10.	10.667	25.	0.	43.231	6.575	2.4	5.	16.	20.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	31	7.8	8.581	15.8	5.5	7.174	2.678	5.8	7.	9.4	12.6
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	27	8.1	8.119	8.4	7.8	0.022	0.147	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	27	8.1	8.094	8.4	7.8	0.022	0.149	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	27	0.008	0.008	0.016	0.004	0.	0.003	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	27	5.	11.185	70.	1.	264.618	16.267	1.	1.	13.	35.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	27	0.699	0.698	1.845	0.	0.324	0.569	0.	0.	1.114	1.547
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.986								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	27	35.3	34.833	39.9	28.	8.237	2.87	31.72	32.5	36.5	38.86
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	38	3.	4.632	16.	0.	21.266	4.612	0.9	1.75	10.	12.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	27	2.8	5.015	26.	1.	30.157	5.492	1.32	1.8	7.	12.32

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	133	16.5	17.02	27.3	5.	28.714	5.359	10.14	12.2	21.9	24.66
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	83	8.	8.855	25.	0.	27.54	5.248	3.4	5.	12.	15.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	105	8.6	8.844	17.3	2.2	5.577	2.361	6.22	7.35	10.	12.
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	83	8.2	8.122	8.5	7.4	0.033	0.183	7.84	8.1	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	83	8.2	8.075	8.5	7.4	0.036	0.189	7.84	8.1	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	83	0.006	0.008	0.04	0.003	0.	0.005	0.005	0.006	0.008	0.015
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	83	2.	22.807	350.	1.	3509.816	59.244	1.	1.	14.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	83	0.301	0.698	2.544	0.	0.479	0.692	0.	0.	1.146	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.985								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	128	34.3	34.354	47.3	25.8	8.594	2.932	31.38	32.8	36.	36.83
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	138	4.	5.529	20.	0.	16.047	4.006	2.	3.	8.	10.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	83	3.1	4.148	23.	0.	11.603	3.406	1.2	1.6	6.2	8.42

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	52	26.95	26.135	29.1	20.4	5.214	2.283	22.53	23.85	28.075	28.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	40	5.	5.975	25.	0.	23.769	4.875	0.	3.25	8.	10.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	39	7.	7.446	11.6	4.4	3.653	1.911	5.3	6.	8.8	10.8
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	40	8.2	8.192	8.5	7.7	0.038	0.194	7.9	8.1	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	40	8.2	8.147	8.5	7.7	0.04	0.199	7.9	8.1	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	40	0.006	0.007	0.02	0.003	0.	0.004	0.004	0.005	0.008	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	40	2.	12.725	220.	1.	1305.23	36.128	1.	1.	8.	47.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	40	0.301	0.504	2.342	0.	0.368	0.607	0.	0.	0.903	1.673
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.194								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	49	35.8	35.733	40.6	30.	3.857	1.964	32.9	34.85	36.35	37.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	57	3.	5.421	17.	0.	25.034	5.003	1.	2.	7.5	14.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	40	4.	5.615	24.	0.6	27.685	5.262	1.02	1.925	7.5	12.54

** - Less than 9 observations ## - Computed 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: FOMA0022

NPS Station ID: FOMA0022
LAT/LON: 29.717670/ -81.236004
Agency: 21FLA
Date Created: 08/16/97
Location: Up creek from station 11
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88012SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	119	20.8	19.439	31.6	6.7	38.33	6.191	10.3	14.2	24.3	27.4
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	96	8.	8.604	25.	0.	33.905	5.823	0.	5.	12.	16.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	88	7.5	8.045	16.4	3.1	5.587	2.364	5.07	6.525	9.65	11.5
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	96	8.1	8.107	8.5	7.4	0.044	0.21	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	96	8.1	8.048	8.5	7.4	0.048	0.219	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	96	0.008	0.009	0.04	0.003	0.	0.006	0.005	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	96	5.	27.	540.	1.	4866.821	69.763	1.	1.	21.5	72.7
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	96	0.699	0.792	2.732	0.	0.514	0.717	0.	0.	1.329	1.861
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.197								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	114	34.55	34.609	46.5	26.6	9.07	3.012	31.	32.9	36.125	37.7
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	131	3.	3.031	7.	0.	3.014	1.736	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	96	3.1	5.051	30.	0.	24.973	4.997	1.34	1.8	6.55	12.15

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

EPA Water Quality Criteria Analysis for Station: FOMA0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	88	2	0.02	17	0	0.00	51	1	0.02	20	1	0.05			
00403	PH, LAB	Marine Chronic	8.5	96	2	0.02	17	0	0.00	53	0	0.00	26	2	0.08			
		Other-Lo Lim.	6.5	96	0	0.00	17	0	0.00	53	0	0.00	26	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	96	0	0.00	17	0	0.00	53	0	0.00	26	0	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 1993 - Station FOMA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	16	20.5	21.819	29.	11.5	25.883	5.088	15.14	17.45	26.575	28.09
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	10.	9.357	16.	0.	26.401	5.138	0.	7.	14.	15.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	15	8.7	8.78	11.9	5.5	5.253	2.292	5.62	6.3	11.4	11.66
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	8.2	8.164	8.3	7.9	0.012	0.108	8.	8.1	8.225	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	8.2	8.151	8.3	7.9	0.012	0.109	8.	8.1	8.225	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.006	0.007	0.013	0.005	0.	0.002	0.005	0.006	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	5.	11.214	49.	1.	278.027	16.674	1.	1.75	14.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.699	0.673	1.69	0.	0.335	0.579	0.	0.226	1.143	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.711								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	14	35.4	35.036	37.6	32.2	2.789	1.67	32.55	33.1	35.925	37.55
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	16	2.	2.313	5.	1.	1.963	1.401	1.	1.	3.5	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	6.9	7.9	25.	1.9	41.655	6.454	2.1	2.975	9.6	20.05

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

Annual Analysis for 1994 - Station FOMA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	37	17.6	18.251	27.4	9.7	33.506	5.788	10.28	12.4	22.6	25.84
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	29	8.	9.103	18.	0.	25.525	5.052	3.	5.	14.	16.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	34	8.75	9.003	16.4	3.5	6.686	2.586	5.8	7.325	10.775	11.95
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	29	8.2	8.214	8.5	7.8	0.029	0.171	8.	8.1	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	29	8.2	8.18	8.5	7.8	0.03	0.174	8.	8.1	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	29	0.006	0.007	0.016	0.003	0.	0.003	0.004	0.005	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	29	8.	29.448	140.	1.	1881.828	43.38	1.	1.	41.	110.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	29	0.903	0.838	2.146	0.	0.691	0.831	0.	0.	1.604	2.041
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.884								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	34	33.5	33.538	40.2	26.6	9.148	3.025	29.6	31.475	34.55	38.3
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	39	3.	2.538	5.	0.	1.887	1.374	1.	1.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	29	3.3	5.693	30.	1.4	34.511	5.875	1.5	2.15	6.3	14.

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

Annual Analysis for 1995 - Station FOMA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	18	22.15	19.122	24.3	8.4	28.957	5.381	10.92	13.475	23.7	23.94
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	18	7.	7.611	25.	0.	47.428	6.887	0.	2.25	10.	22.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	6.9	7.125	7.9	6.8	0.269	0.519	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	18	8.2	8.172	8.3	7.9	0.015	0.123	7.99	8.1	8.3	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	18	8.2	8.155	8.3	7.9	0.015	0.124	7.99	8.1	8.3	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	18	0.006	0.007	0.013	0.005	0.	0.002	0.005	0.005	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	18	6.5	11.444	49.	1.	186.261	13.648	1.	1.75	14.	34.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	18	0.801	0.752	1.69	0.	0.317	0.563	0.	0.226	1.143	1.536
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.651								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	18	35.7	35.061	40.1	30.2	7.69	2.773	30.92	33.625	36.225	40.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	26	4.	3.231	6.	0.	3.305	1.818	0.	2.	4.25	5.3
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	18	3.7	4.717	16.5	0.9	16.223	4.028	1.17	1.475	6.1	10.65

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

Annual Analysis for 1996 - Station FOMA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	31	23.	19.406	27.7	6.7	62.675	7.917	8.62	10.8	27.4	27.56
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	22	5.	8.364	25.	0.	46.909	6.849	2.	5.	10.5	23.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	18	6.1	5.844	7.8	3.1	1.811	1.346	4.27	4.65	6.95	7.53
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	22	8.1	8.018	8.3	7.6	0.04	0.199	7.63	7.9	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	22	8.1	7.97	8.3	7.6	0.042	0.205	7.63	7.9	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	22	0.008	0.011	0.025	0.005	0.	0.006	0.006	0.006	0.013	0.024
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	22	3.5	25.318	350.	1.	5561.561	74.576	1.	1.	11.5	65.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	22	0.5	0.679	2.544	0.	0.479	0.692	0.	0.	1.06	1.784
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.775								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	31	35.6	36.152	46.5	30.1	12.161	3.487	33.32	34.4	36.5	40.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	33	3.	3.667	7.	0.	3.417	1.848	1.4	2.	5.5	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	22	2.3	3.705	12.	0.9	10.85	3.294	0.93	1.35	6.075	9.97

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

Annual Analysis for 1997 - Station FOMA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	17	19.6	20.176	31.6	14.2	25.131	5.013	14.36	15.15	24.15	26.88
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	13	8.	8.462	16.	0.	28.103	5.301	0.8	4.	13.5	15.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	17	7.8	8.029	10.5	5.1	1.903	1.38	6.14	7.3	9.1	10.26
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	13	7.9	7.869	8.2	7.4	0.066	0.256	7.48	7.6	8.1	8.16
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	13	7.9	7.797	8.2	7.4	0.071	0.267	7.48	7.6	8.1	8.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	13	0.013	0.016	0.04	0.006	0.	0.01	0.007	0.008	0.025	0.034
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	13	13.	62.923	540.	1.	21768.91	147.543	1.	2.	39.5	376.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	13	1.114	1.066	2.732	0.	0.678	0.823	0.	0.301	1.591	2.485
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			11.632								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	17	32.9	33.106	36.3	31.2	2.116	1.455	31.52	31.75	34.15	35.58
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	17	2.	3.294	7.	1.	4.096	2.024	1.	2.	5.	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	13	2.4	3.292	14.	0.	12.776	3.574	0.36	1.4	4.1	10.56

** - 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

Station Inventory for Station: FOMA0023

NPS Station ID: FOMA0023
LAT/LON: 29.720170/ -81.245671
Agency: 21FLA
Date Created: 08/16/97
Location: CM 80A
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88100SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-06/30/97	91	23.1	20.642	28.4	5.	43.215	6.574	9.68	15.5	26.5	27.78
00035	WIND VELOCITY (MILES PER HOUR)	05/09/95-06/30/97	57	8.	8.632	30.	0.	42.63	6.529	2.	5.	12.	20.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-06/30/97	58	7.05	7.112	10.9	4.1	1.698	1.303	5.7	6.1	7.925	8.7
00403	PH, LAB, STANDARD UNITS SU	05/09/95-06/30/97	57	8.1	8.063	8.3	7.4	0.032	0.18	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	05/09/95-06/30/97	57	8.1	8.019	8.3	7.4	0.034	0.185	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-06/30/97	57	0.008	0.01	0.04	0.005	0.	0.006	0.005	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	05/09/95-06/30/97	57	4.	11.07	130.	1.	503.066	22.429	1.	1.	9.5	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	05/09/95-06/30/97	57	0.602	0.622	2.114	0.	0.31	0.557	0.	0.	0.972	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.185								
70305	SALINITY BASED ON CONDUCTIVITY	05/09/95-06/30/97	91	34.6	34.473	46.9	27.7	7.344	2.71	31.44	32.8	36.1	36.68
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	05/09/95-06/30/97	102	12.	10.324	20.	0.	23.409	4.838	5.	6.	14.	16.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-06/30/97	57	1.8	3.419	12.5	0.	7.857	2.803	1.	1.3	5.1	7.72

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

EPA Water Quality Criteria Analysis for Station: FOMA0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	58	0	0.00	8	0	0.00	30	0	0.00	20	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	57	0	0.00	9	0	0.00	30	0	0.00	18	0	0.00			
		Other-Lo Lim.	6.5	57	0	0.00	9	0	0.00	30	0	0.00	18	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	57	0	0.00	9	0	0.00	30	0	0.00	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

Station Inventory for Station: FOMA0024

NPS Station ID: FOMA0024
LAT/LON: 29.722170/ -81.240670
Agency: 21FLA
Date Created: 08/16/97
Location: Up creek from station 10
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88015SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/93-06/30/97	119	21.5	20.127	30.5	4.7	37.791	6.147	11.3	14.8	25.	28.1
00035	WIND VELOCITY (MILES PER HOUR)	03/11/93-06/30/97	103	8.	9.961	30.	0.	40.077	6.331	4.	6.	14.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/93-06/30/97	90	7.9	8.292	17.4	2.1	6.966	2.639	5.71	6.4	9.75	11.2
00403	PH, LAB, STANDARD UNITS SU	03/11/93-06/30/97	103	8.1	8.112	8.5	7.4	0.034	0.184	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	03/11/93-06/30/97	103	8.1	8.067	8.5	7.4	0.036	0.189	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/93-06/30/97	103	0.008	0.009	0.04	0.003	0.	0.005	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	03/11/93-06/30/97	103	5.	20.99	920.	1.	8365.774	91.465	1.	1.	17.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	03/11/93-06/30/97	103	0.699	0.694	2.964	0.	0.42	0.648	0.	0.	1.23	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.945								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	113	34.5	33.773	46.9	23.7	10.803	3.287	30.	32.05	35.55	36.56
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	03/11/93-06/30/97	134	3.	2.716	10.	0.	2.761	1.662	1.	2.	3.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/93-06/30/97	103	3.4	4.657	19.	0.	13.605	3.688	1.28	2.1	6.	10.48

** - 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

EPA Water Quality Criteria Analysis for Station: FOMA0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	90	1	0.01	19	0	0.00	51	1	0.02	20	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	103	1	0.01	18	0	0.00	59	0	0.00	26	1	0.04			
		Other-Lo Lim.	6.5	103	0	0.00	18	0	0.00	59	0	0.00	26	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	103	0	0.00	18	0	0.00	59	0	0.00	26	0	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 1993 - Station FOMA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/93-06/30/97	18	21.5	21.233	29.7	11.8	31.439	5.607	12.07	16.4	26.275	28.53
00035	WIND VELOCITY (MILES PER HOUR)	03/11/93-06/30/97	15	10.	9.867	16.	4.	17.981	4.24	4.	6.	14.	15.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/93-06/30/97	17	9.5	9.329	11.8	6.4	3.298	1.816	6.48	7.5	11.	11.72
00403	PH, LAB, STANDARD UNITS SU	03/11/93-06/30/97	15	8.2	8.2	8.4	8.	0.019	0.136	8.	8.1	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	03/11/93-06/30/97	15	8.2	8.181	8.4	8.	0.019	0.138	8.	8.1	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/93-06/30/97	15	0.006	0.007	0.01	0.004	0.	0.002	0.004	0.005	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	03/11/93-06/30/97	15	1.	4.333	23.	1.	43.952	6.63	1.	1.	5.	19.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	03/11/93-06/30/97	15	0.	0.326	1.362	0.	0.229	0.478	0.	0.	0.699	1.283
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.119								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	15	35.1	35.153	38.1	32.1	2.286	1.512	32.34	34.6	35.8	37.38
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	03/11/93-06/30/97	18	2.	2.611	6.	1.	2.958	1.72	1.	1.	3.5	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/93-06/30/97	15	4.2	7.167	19.	2.4	30.477	5.521	2.7	3.2	12.	17.2

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

Annual Analysis for 1994 - Station FOMA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/93-06/30/97	32	20.85	19.494	29.1	10.4	33.136	5.756	10.96	14.275	23.75	27.42
00035	WIND VELOCITY (MILES PER HOUR)	03/11/93-06/30/97	29	10.	10.241	20.	0.	22.69	4.763	5.	6.5	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/93-06/30/97	29	8.3	9.197	17.4	4.5	13.067	3.615	4.8	6.4	11.1	16.3
00403	PH, LAB, STANDARD UNITS SU	03/11/93-06/30/97	29	8.2	8.2	8.5	7.9	0.021	0.144	8.	8.1	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	03/11/93-06/30/97	29	8.2	8.176	8.5	7.9	0.021	0.146	8.	8.1	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/93-06/30/97	29	0.006	0.007	0.013	0.003	0.	0.002	0.004	0.005	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	03/11/93-06/30/97	29	8.	45.172	920.	1.	28500.076	168.82	1.	3.	23.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	03/11/93-06/30/97	29	0.903	0.964	2.964	0.	0.409	0.639	0.	0.452	1.362	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.21								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	31	32.5	32.129	39.1	23.7	13.453	3.668	26.04	30.	34.3	37.34
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	03/11/93-06/30/97	34	2.	2.294	5.	0.	1.668	1.292	1.	1.75	3.25	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/93-06/30/97	29	3.6	4.428	9.1	1.5	5.577	2.362	2.	2.5	6.7	8.2

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

Annual Analysis for 1995 - Station FOMA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/93-06/30/97	15	22.9	20.147	26.8	9.3	35.606	5.967	10.5	14.7	24.7	26.74
00035	WIND VELOCITY (MILES PER HOUR)	03/11/93-06/30/97	20	9.	10.05	25.	0.	51.524	7.178	0.4	5.25	13.75	24.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/93-06/30/97	5	8.6	7.16	9.5	2.1	8.813	2.969	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/11/93-06/30/97	20	8.2	8.155	8.3	7.8	0.012	0.11	8.01	8.1	8.2	8.29
00403	CONVERTED PH, LAB, STANDARD UNITS	03/11/93-06/30/97	20	8.2	8.14	8.3	7.8	0.012	0.111	8.01	8.1	8.2	8.29
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/93-06/30/97	20	0.006	0.007	0.016	0.005	0.	0.002	0.005	0.006	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	03/11/93-06/30/97	20	2.	7.2	33.	1.	83.116	9.117	1.	1.	13.	25.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	03/11/93-06/30/97	20	0.301	0.543	1.519	0.	0.289	0.537	0.	0.	1.114	1.4
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.489								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	15	35.2	34.553	36.7	30.6	3.441	1.855	30.6	33.9	35.7	36.34
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	03/11/93-06/30/97	24	3.	2.958	10.	0.	6.911	2.629	0.	1.25	3.	7.5
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/93-06/30/97	20	3.9	5.025	13.	1.	11.891	3.448	1.64	2.45	7.1	11.

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

Annual Analysis for 1996 - Station FOMA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/93-06/30/97	33	19.4	20.148	29.8	4.7	58.548	7.652	10.14	12.65	27.85	28.2
00035	WIND VELOCITY (MILES PER HOUR)	03/11/93-06/30/97	25	7.	10.36	30.	0.	70.907	8.421	0.	5.	13.	27.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/93-06/30/97	19	6.1	6.416	8.1	4.9	0.805	0.897	5.6	5.9	7.3	8.1
00403	PH, LAB, STANDARD UNITS SU	03/11/93-06/30/97	25	8.1	8.036	8.2	7.7	0.027	0.163	7.76	7.9	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	03/11/93-06/30/97	25	8.1	8.004	8.2	7.7	0.028	0.166	7.76	7.9	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/93-06/30/97	25	0.008	0.01	0.02	0.006	0.	0.004	0.006	0.006	0.013	0.017
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	03/11/93-06/30/97	25	2.	16.	130.	1.	899.25	29.987	1.	1.	17.	61.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	03/11/93-06/30/97	25	0.301	0.639	2.114	0.	0.49	0.7	0.	0.	1.23	1.773
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.359								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	31	34.9	35.155	46.9	29.5	14.47	3.804	30.12	34.3	36.1	36.74
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	03/11/93-06/30/97	37	3.	2.946	6.	0.	2.219	1.49	0.8	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/93-06/30/97	25	2.4	4.06	14.1	0.6	14.558	3.815	0.9	1.2	5.1	11.68

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

Annual Analysis for 1997 - Station FOMA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/93-06/30/97	21	20.2	20.095	30.5	14.1	24.538	4.954	14.22	14.75	24.5	26.04
00035	WIND VELOCITY (MILES PER HOUR)	03/11/93-06/30/97	14	6.5	8.643	20.	0.	37.632	6.134	0.	5.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/93-06/30/97	20	8.3	8.165	10.3	5.8	1.891	1.375	5.87	7.15	9.325	10.18
00403	PH, LAB, STANDARD UNITS SU	03/11/93-06/30/97	14	7.95	7.907	8.2	7.4	0.048	0.22	7.5	7.775	8.1	8.15
00403	CONVERTED PH, LAB, STANDARD UNITS	03/11/93-06/30/97	14	7.947	7.848	8.2	7.4	0.052	0.228	7.5	7.775	8.1	8.15
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/93-06/30/97	14	0.011	0.014	0.04	0.006	0.	0.009	0.007	0.008	0.017	0.032
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	03/11/93-06/30/97	14	9.5	17.357	70.	1.	446.093	21.121	1.	1.75	28.5	59.5
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	03/11/93-06/30/97	14	0.972	0.843	1.845	0.	0.456	0.675	0.	0.226	1.453	1.768
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.974								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	21	32.3	32.614	36.6	28.4	4.159	2.039	30.1	31.3	34.7	35.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	03/11/93-06/30/97	21	3.	2.81	4.	1.	0.662	0.814	2.	2.	3.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/93-06/30/97	14	2.4	2.986	10.	0.	6.372	2.524	0.5	1.4	3.8	7.8

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

Station Inventory for Station: FOMA0025

NPS Station ID: FOMA0025
LAT/LON: 29.724004/ -81.252171
Agency: 21FLA
Date Created: 08/16/97
Location: Up creek southwest of CM 78
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88017SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/93-06/24/97	103	21.4	19.86	30.9	4.8	39.204	6.261	10.94	14.6	25.	27.66
00035	WIND VELOCITY (MILES PER HOUR)	09/09/93-06/24/97	91	8.	9.769	27.	0.	37.824	6.15	2.4	5.	15.	17.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/93-06/24/97	75	7.4	7.856	16.	2.	6.075	2.465	5.	6.3	9.7	11.44
00403	PH, LAB, STANDARD UNITS SU	09/09/93-06/24/97	91	8.1	8.056	8.5	7.3	0.064	0.252	7.7	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	09/09/93-06/24/97	91	8.1	7.969	8.5	7.3	0.071	0.267	7.7	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/93-06/24/97	91	0.008	0.011	0.05	0.003	0.	0.009	0.005	0.006	0.01	0.02
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	09/09/93-06/24/97	91	5.	42.615	920.	1.	16910.328	130.04	1.	1.	17.	103.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	09/09/93-06/24/97	91	0.699	0.78	2.964	0.	0.605	0.778	0.	0.	1.23	2.013
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.026								
70305	SALINITY BASED ON CONDUCTIVITY	09/09/93-06/24/97	100	34.25	33.072	46.9	9.	28.15	5.306	28.75	32.05	35.475	36.67
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/09/93-06/24/97	113	2.	2.814	9.	0.	2.938	1.714	1.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/09/93-06/24/97	91	3.	3.987	22.5	0.	12.424	3.525	1.12	1.8	5.1	7.28

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

EPA Water Quality Criteria Analysis for Station: FOMA0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	75	2	0.03	19	0	0.00	41	1	0.02	15	1	0.07			
00403	PH, LAB	Marine Chronic	8.5	91	1	0.01	17	0	0.00	50	0	0.00	24	1	0.04			
		Other-Lo Lim.	6.5	91	0	0.00	17	0	0.00	50	0	0.00	24	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	91	0	0.00	17	0	0.00	50	0	0.00	24	0	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 1993 - Station FOMA0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/93-06/24/97	10	19.85	20.52	28.4	16.4	13.028	3.609	16.48	18.025	22.125	27.99
00035	WIND VELOCITY (MILES PER HOUR)	09/09/93-06/24/97	8	13.	11.	16.	4.	21.429	4.629	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/93-06/24/97	10	9.55	9.58	11.6	5.8	3.768	1.941	6.01	8.125	11.425	11.59
00403	PH, LAB, STANDARD UNITS SU	09/09/93-06/24/97	8	8.15	8.163	8.4	7.9	0.028	0.169	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/09/93-06/24/97	8	8.147	8.134	8.4	7.9	0.029	0.171	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/93-06/24/97	8	0.007	0.007	0.013	0.004	0.	0.003	**	**	**	**
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	09/09/93-06/24/97	8	1.	46.	350.	1.	15095.143	122.862	**	**	**	**
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	09/09/93-06/24/97	8	0.	0.518	2.544	0.	0.804	0.897	**	**	**	**
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.298								
70305	SALINITY BASED ON CONDUCTIVITY	09/09/93-06/24/97	10	34.4	34.25	36.4	32.7	1.596	1.263	32.72	32.9	35.3	36.32
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/09/93-06/24/97	10	2.	2.7	4.	1.	1.344	1.16	1.1	2.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/09/93-06/24/97	8	4.2	4.388	7.3	1.8	3.124	1.768	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1994 - Station FOMA0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/93-06/24/97	31	21.9	19.552	28.6	10.	35.331	5.944	10.92	13.5	25.	27.08
00035	WIND VELOCITY (MILES PER HOUR)	09/09/93-06/24/97	27	10.	10.481	20.	0.	24.028	4.902	4.8	7.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/93-06/24/97	27	7.6	8.5	16.	4.2	8.952	2.992	4.44	6.5	10.7	12.3
00403	PH, LAB, STANDARD UNITS SU	09/09/93-06/24/97	27	8.2	8.148	8.5	7.4	0.076	0.275	7.66	8.	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	09/09/93-06/24/97	27	8.2	8.041	8.5	7.4	0.088	0.296	7.66	8.	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/93-06/24/97	27	0.006	0.009	0.04	0.003	0.	0.009	0.004	0.005	0.01	0.022
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	09/09/93-06/24/97	27	8.	38.296	540.	1.	11152.832	105.607	1.	2.	17.	114.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	09/09/93-06/24/97	27	0.903	0.896	2.732	0.	0.492	0.701	0.	0.301	1.23	2.056
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.866								
70305	SALINITY BASED ON CONDUCTIVITY	09/09/93-06/24/97	30	32.75	31.53	39.8	12.9	37.	6.083	23.28	30.775	34.7	38.26
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/09/93-06/24/97	32	2.	2.813	8.	0.	3.835	1.958	1.	2.	3.75	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/09/93-06/24/97	27	3.	3.496	11.	0.6	4.897	2.213	1.26	2.	4.6	6.06

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

Annual Analysis for 1995 - Station FOMA0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/93-06/24/97	15	22.7	19.747	27.	8.5	40.934	6.398	10.24	12.2	25.1	26.82
00035	WIND VELOCITY (MILES PER HOUR)	09/09/93-06/24/97	19	8.	9.421	25.	0.	46.035	6.785	0.	5.	10.	25.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/93-06/24/97	4	7.5	6.825	10.3	2.	12.756	3.572	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/09/93-06/24/97	19	8.2	8.132	8.3	7.9	0.012	0.111	8.	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	09/09/93-06/24/97	19	8.2	8.118	8.3	7.9	0.012	0.112	8.	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/93-06/24/97	19	0.006	0.008	0.013	0.005	0.	0.002	0.005	0.006	0.01	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	09/09/93-06/24/97	19	5.	9.737	49.	1.	215.316	14.674	1.	1.	13.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	09/09/93-06/24/97	19	0.699	0.609	1.69	0.	0.341	0.584	0.	0.	1.114	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.068								
70305	SALINITY BASED ON CONDUCTIVITY	09/09/93-06/24/97	15	35.4	35.14	40.1	29.2	7.854	2.802	29.8	34.3	35.9	39.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/09/93-06/24/97	22	2.	2.818	9.	0.	5.584	2.363	0.	1.75	4.	7.5
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/09/93-06/24/97	19	4.	5.753	22.5	1.	35.672	5.973	1.	2.	6.	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 1996 - Station FOMA0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/93-06/24/97	31	22.9	20.361	30.9	4.8	63.788	7.987	7.32	12.3	27.6	28.06
00035	WIND VELOCITY (MILES PER HOUR)	09/09/93-06/24/97	25	7.	9.4	27.	0.	53.75	7.331	0.	5.	13.	23.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/93-06/24/97	19	6.4	6.284	7.9	3.	1.347	1.161	4.5	5.9	7.1	7.4
00403	PH, LAB, STANDARD UNITS SU	09/09/93-06/24/97	25	8.	7.928	8.2	7.4	0.061	0.248	7.5	7.7	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	09/09/93-06/24/97	25	8.	7.853	8.2	7.4	0.067	0.259	7.5	7.7	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/93-06/24/97	25	0.01	0.014	0.04	0.006	0.	0.009	0.006	0.008	0.02	0.032
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	09/09/93-06/24/97	25	2.	38.72	540.	1.	11645.543	107.915	1.	1.	41.	81.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	09/09/93-06/24/97	25	0.301	0.771	2.732	0.	0.683	0.826	0.	0.	1.604	1.896
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.908								
70305	SALINITY BASED ON CONDUCTIVITY	09/09/93-06/24/97	29	34.7	34.148	46.9	18.6	27.336	5.228	29.3	32.1	36.1	36.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/09/93-06/24/97	33	2.	2.758	6.	0.	1.877	1.37	1.4	2.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/09/93-06/24/97	25	2.3	3.576	8.1	0.5	5.471	2.339	1.12	1.65	5.7	7.36

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

Annual Analysis for 1997 - Station FOMA0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/93-06/24/97	16	18.9	19.181	26.4	13.2	20.816	4.562	13.2	14.75	23.475	25.35
00035	WIND VELOCITY (MILES PER HOUR)	09/09/93-06/24/97	12	6.5	8.667	20.	0.	42.242	6.499	0.	5.	15.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/93-06/24/97	15	7.9	7.813	10.5	5.8	2.017	1.42	5.86	6.7	8.5	10.26
00403	PH, LAB, STANDARD UNITS SU	09/09/93-06/24/97	12	8.	7.925	8.2	7.3	0.075	0.273	7.39	7.725	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	09/09/93-06/24/97	12	8.	7.83	8.2	7.3	0.085	0.291	7.39	7.725	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/93-06/24/97	12	0.01	0.015	0.05	0.006	0.	0.013	0.006	0.008	0.019	0.043
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	09/09/93-06/24/97	12	6.5	110.25	920.	1.	69683.114	263.976	1.	1.	101.75	710.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	09/09/93-06/24/97	12	0.801	0.982	2.964	0.	1.054	1.026	0.	0.	1.893	2.777
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.594								
70305	SALINITY BASED ON CONDUCTIVITY	09/09/93-06/24/97	16	32.75	31.338	36.4	9.	39.537	6.288	22.79	30.5	34.525	35.28
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/09/93-06/24/97	16	2.5	3.	5.	2.	1.333	1.155	2.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/09/93-06/24/97	12	1.9	2.883	12.	0.	9.972	3.158	0.27	1.025	3.15	9.9

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

Station Inventory for Station: FOMA0026

NPS Station ID: FOMA0026
LAT/LON: 29.728003/ -81.241838
Agency: 21FLA
Date Created: 08/16/97
Location: Mouth of creek southeast of CM 79
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88010SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	203	22.1	20.693	29.8	6.	34.19	5.847	11.94	16.2	25.4	27.9
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	150	8.	9.467	30.	0.	35.714	5.976	4.	5.	12.	17.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	162	7.8	8.335	17.1	2.1	6.321	2.514	6.	6.575	10.15	11.2
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	150	8.1	8.119	8.5	7.4	0.029	0.171	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	150	8.1	8.081	8.5	7.4	0.031	0.175	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	150	0.008	0.008	0.04	0.003	0.	0.004	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	150	2.	9.6	140.	1.	356.698	18.886	1.	1.	8.	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	150	0.301	0.552	2.146	0.	0.316	0.562	0.	0.	0.903	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.563								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	192	34.65	34.312	46.9	22.1	8.952	2.992	30.43	32.8	36.	36.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	219	3.	3.37	9.	0.	3.005	1.733	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	150	3.8	4.887	24.	0.	17.536	4.188	1.4	2.1	6.125	9.51

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: FOMA0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	162	2	0.01	34	0	0.00	94	2	0.02	34	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	150	1	0.01	27	0	0.00	83	0	0.00	40	1	0.03			
		Other-Lo Lim.	6.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	0	0.00	27	0	0.00	83	0	0.00	40	0	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 1990 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	7	24.1	23.786	29.6	17.1	23.348	4.832	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	6.	5.167	8.	0.	8.567	2.927	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	7	6.9	7.286	8.4	6.7	0.438	0.662	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.2	8.15	8.2	8.	0.007	0.084	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.2	8.143	8.2	8.	0.007	0.084	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.006	0.007	0.01	0.006	0.	0.002	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	3.5	5.667	17.	1.	35.867	5.989	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.5	0.563	1.23	0.	0.2	0.447	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.654								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	7	35.7	34.6	36.1	32.4	2.68	1.637	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	7	2.	3.143	6.	2.	3.81	1.952	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	3.	3.067	4.8	1.4	2.123	1.457	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	21	26.6	25.652	29.8	17.1	12.397	3.521	18.2	23.8	27.95	29.32
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	12	8.	8.083	15.	0.	16.265	4.033	1.5	5.25	11.5	14.1
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	13	6.4	6.762	8.8	5.1	1.413	1.189	5.18	5.9	7.95	8.64
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	12	8.1	8.142	8.3	8.	0.006	0.079	8.03	8.1	8.2	8.27
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	12	8.1	8.135	8.3	8.	0.006	0.08	8.03	8.1	8.2	8.27
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	12	0.008	0.007	0.01	0.005	0.	0.001	0.005	0.006	0.008	0.009
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	12	1.	2.25	7.	1.	4.568	2.137	1.	1.	4.25	6.4
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	12	0.	0.212	0.845	0.	0.113	0.336	0.	0.	0.599	0.801
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			1.629								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	21	35.	34.595	36.7	31.7	2.06	1.435	32.	33.65	35.75	36.48
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	21	4.	4.524	7.	1.	2.862	1.692	2.	3.5	6.	6.8
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	12	5.9	5.375	8.3	2.2	5.155	2.27	2.23	2.8	7.55	8.09

** - 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 1992 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	30	19.25	20.053	29.6	12.9	20.694	4.549	14.44	16.375	23.85	26.84
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	24	8.	8.75	20.	0.	27.413	5.236	2.5	5.	11.5	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	30	8.45	8.913	16.1	4.5	5.184	2.277	6.5	7.15	10.6	10.98
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	24	8.1	8.142	8.4	7.7	0.028	0.167	7.95	8.025	8.275	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	24	8.1	8.109	8.4	7.7	0.029	0.17	7.95	8.025	8.275	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	24	0.008	0.008	0.02	0.004	0.	0.003	0.004	0.005	0.009	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	24	1.	6.333	46.	1.	129.362	11.374	1.	1.	5.	27.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	24	0.	0.395	1.663	0.	0.287	0.535	0.	0.	0.699	1.43
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.48								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	27	35.5	35.252	40.4	22.1	9.87	3.142	33.16	34.6	36.6	38.12
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	31	3.	3.097	6.	1.	1.557	1.248	2.	2.	4.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	24	5.3	6.229	16.	1.2	15.828	3.978	1.95	3.05	8.375	12.95

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

Annual Analysis for 1993 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	25	19.1	19.736	29.4	10.5	41.59	6.449	11.26	12.6	25.6	28.28
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	10.	10.294	20.	4.	22.471	4.74	4.	6.5	14.5	16.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	23	10.1	9.683	11.9	6.1	3.066	1.751	6.54	8.7	11.2	11.56
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.2	8.176	8.4	8.	0.017	0.13	8.	8.1	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.2	8.159	8.4	8.	0.017	0.131	8.	8.1	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.006	0.007	0.01	0.004	0.	0.002	0.004	0.006	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	2.	5.824	33.	1.	72.404	8.509	1.	1.	8.	20.2
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.301	0.454	1.519	0.	0.247	0.497	0.	0.	0.87	1.288
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.842								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	20	35.1	34.9	38.2	32.3	3.496	1.87	32.43	32.925	36.3	37.56
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	25	3.	3.48	6.	1.	2.843	1.686	1.	2.	5.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	3.9	7.276	21.	2.2	33.458	5.784	2.44	3.55	11.1	17.8

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

Annual Analysis for 1994 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	44	21.95	19.861	28.4	10.5	29.142	5.398	11.2	15.675	24.475	26.4
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	10.	10.241	20.	0.	22.69	4.763	5.	6.5	15.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	39	9.2	9.405	17.1	3.9	12.239	3.498	4.6	6.8	11.3	15.5
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.2	8.217	8.5	8.	0.02	0.142	8.	8.1	8.3	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.2	8.195	8.5	8.	0.021	0.143	8.	8.1	8.3	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.006	0.006	0.01	0.003	0.	0.002	0.004	0.005	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	5.	14.103	79.	1.	414.239	20.353	1.	2.	15.	49.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	0.699	0.767	1.898	0.	0.358	0.598	0.	0.301	1.172	1.69
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.847								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	43	33.3	32.974	38.8	25.2	11.111	3.333	27.9	30.4	34.7	38.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	46	3.	3.587	9.	0.	3.803	1.95	2.	2.	4.	6.3
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	3.	3.614	7.3	1.1	3.67	1.916	1.4	2.1	5.3	7.2

** - 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 FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	17	22.2	18.971	25.7	9.2	31.882	5.646	11.28	13.4	24.35	24.98
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	20	9.	10.05	25.	0.	51.524	7.178	0.4	5.25	13.75	24.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	5	7.2	6.12	7.4	2.1	5.117	2.262	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	20	8.2	8.165	8.3	7.9	0.009	0.093	8.01	8.1	8.2	8.29
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	20	8.2	8.155	8.3	7.9	0.009	0.094	8.01	8.1	8.2	8.29
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	20	0.006	0.007	0.013	0.005	0.	0.002	0.005	0.006	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	20	2.	4.25	13.	1.	15.987	3.998	1.	1.25	7.75	12.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	20	0.301	0.452	1.114	0.	0.158	0.397	0.	0.075	0.889	1.093
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.83								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	17	35.8	35.276	40.1	30.5	7.434	2.727	30.66	34.2	36.2	40.02
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	26	3.	2.923	6.	0.	3.674	1.917	0.	2.	4.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	20	3.9	5.96	24.	1.	39.733	6.303	1.21	2.175	6.7	20.1

** - 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 1996 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	36	22.65	20.636	29.3	6.	56.622	7.525	9.94	12.4	27.8	28.09
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	28	7.5	10.286	30.	0.	66.508	8.155	0.	5.	13.5	25.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	23	6.5	6.522	8.	4.4	0.732	0.855	5.34	6.1	7.1	7.86
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	28	8.	8.014	8.2	7.6	0.025	0.158	7.8	7.9	8.175	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	28	8.	7.985	8.2	7.6	0.026	0.161	7.8	7.9	8.175	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	28	0.01	0.01	0.025	0.006	0.	0.004	0.006	0.007	0.013	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	28	2.	11.929	140.	1.	740.884	27.219	1.	1.	10.25	25.6
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	28	0.301	0.573	2.146	0.	0.367	0.606	0.	0.	1.007	1.395
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.741								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	34	35.1	35.226	46.9	29.2	13.272	3.643	29.9	34.15	36.3	36.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	40	3.	2.875	6.	0.	2.779	1.667	1.	2.	4.	5.9
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	28	2.2	4.004	16.7	0.6	14.749	3.84	0.99	1.45	5.3	9.92

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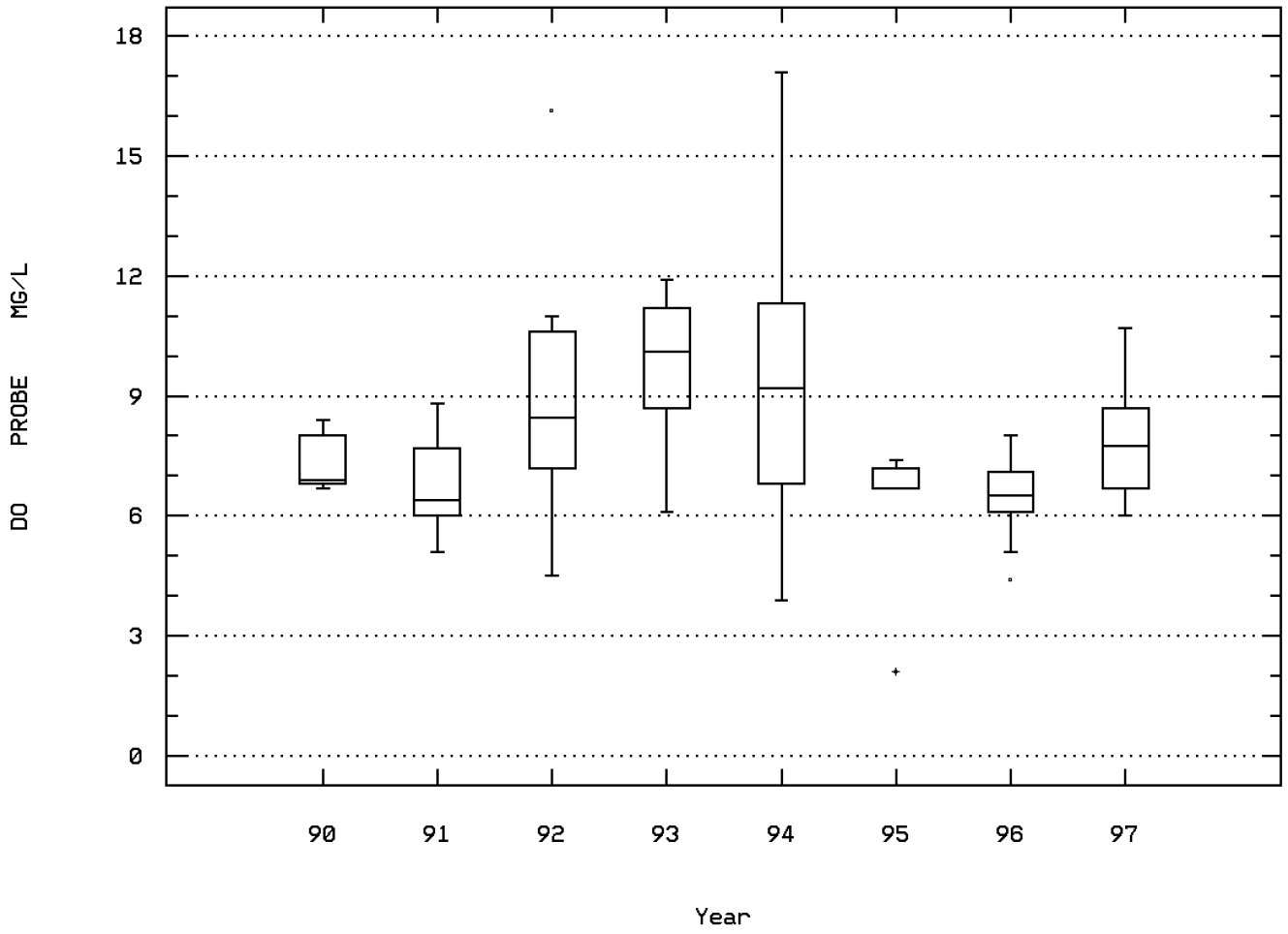
Annual Analysis for 1997 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	23	21.7	20.052	27.4	13.2	21.179	4.602	13.82	14.9	24.3	25.58
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	6.5	8.643	20.	0.	37.632	6.134	0.	5.	15.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	22	7.75	7.9	10.7	6.	1.807	1.344	6.23	6.65	8.7	10.2
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	7.95	7.921	8.2	7.4	0.053	0.229	7.5	7.8	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	7.947	7.858	8.2	7.4	0.057	0.239	7.5	7.8	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.011	0.014	0.04	0.006	0.	0.009	0.006	0.008	0.016	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	5.	21.429	110.	1.	951.341	30.844	1.	2.	37.	79.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	0.699	0.882	2.041	0.	0.467	0.683	0.	0.301	1.561	1.866
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.625								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	23	32.8	32.787	36.6	28.1	4.462	2.112	29.78	31.5	34.5	35.78
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	23	3.	3.565	6.	2.	1.802	1.343	2.	3.	4.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	2.4	2.921	10.	0.	6.25	2.5	0.45	1.4	3.25	8.

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

Station: FOMA0026 Parameter Code: 00299

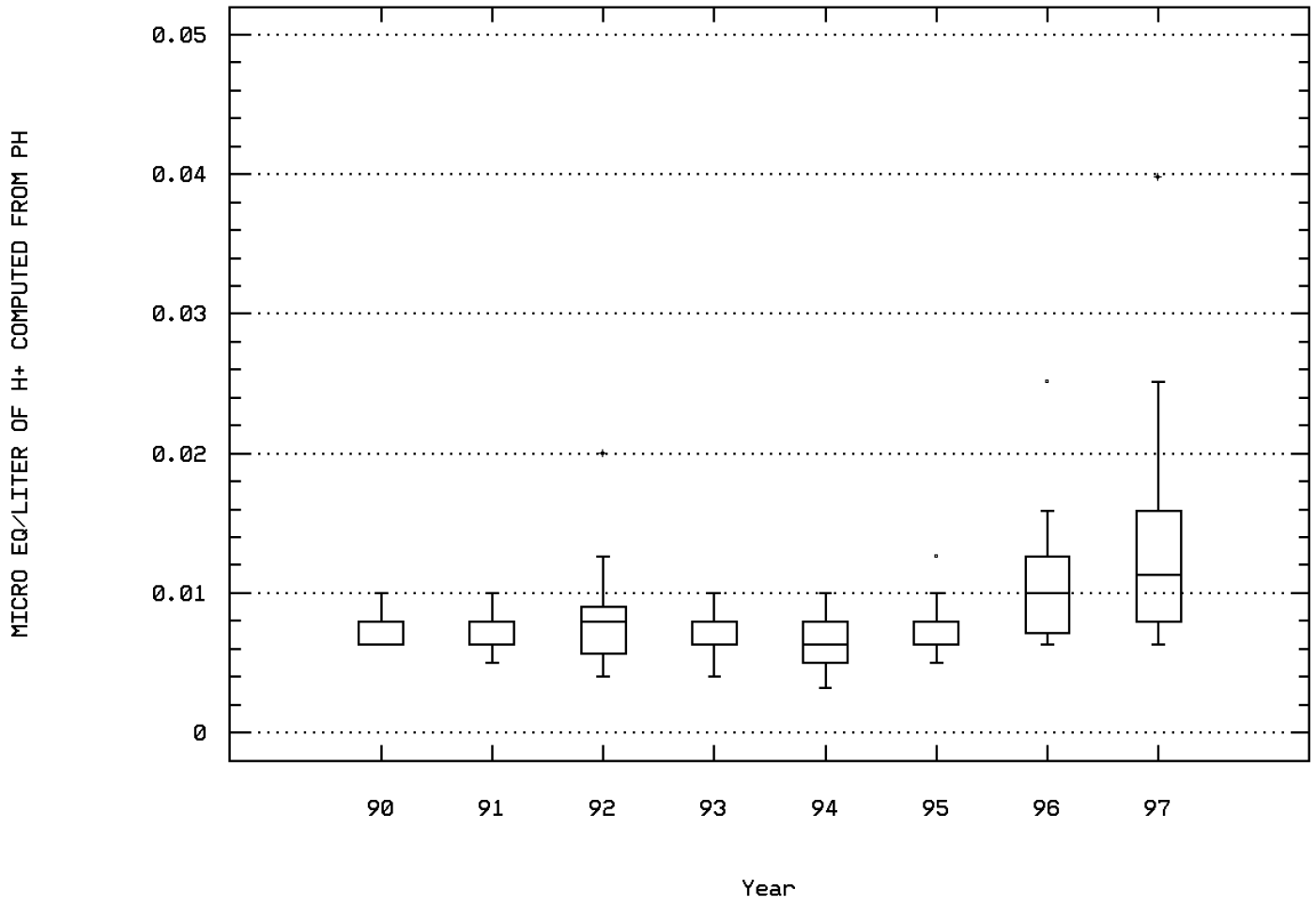
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



Mouth of creek southeast of CM 79

Station: FOMA0026 Parameter Code: 00403

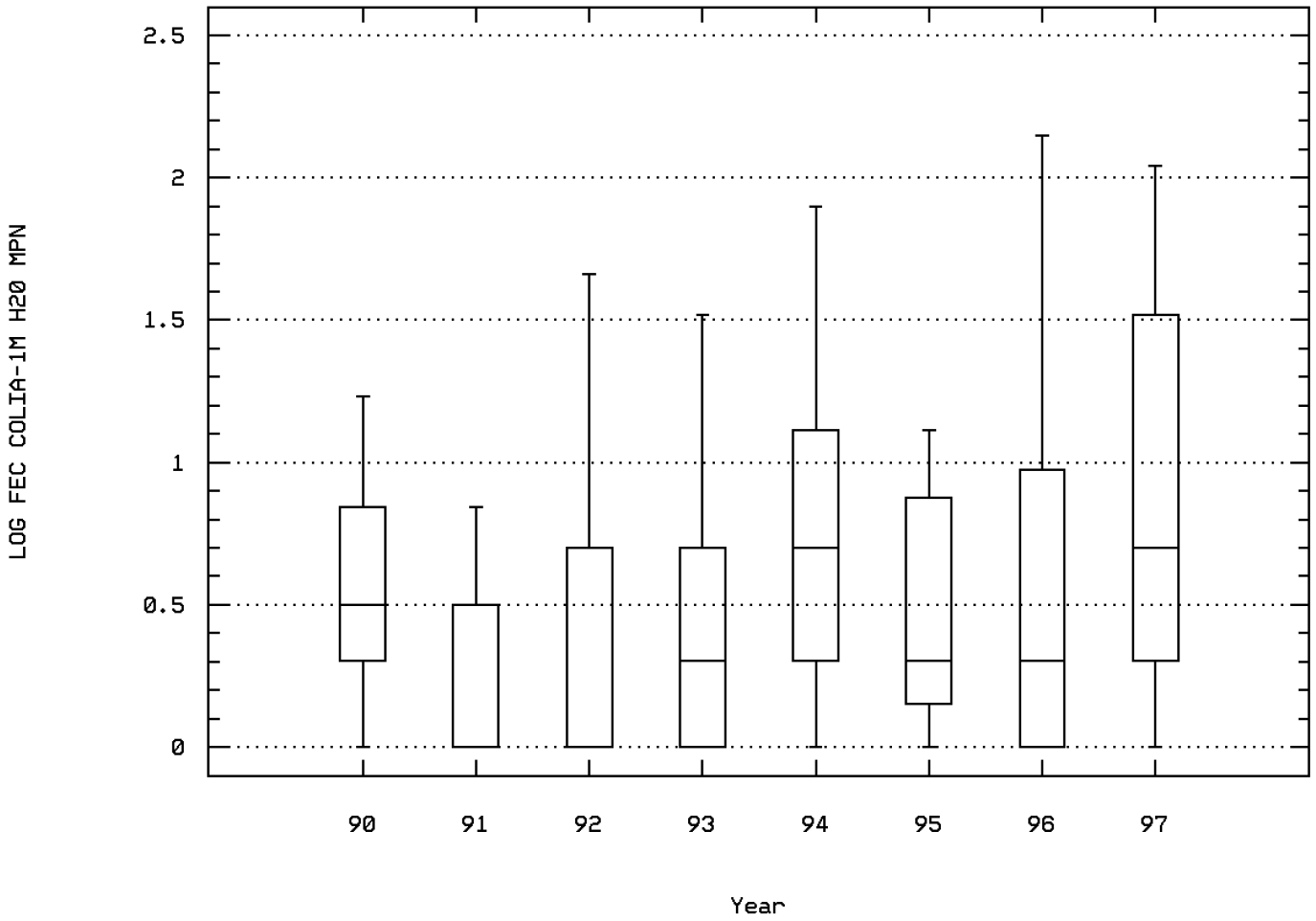
MICRO EQ/LITER OF H+ COMPUTED FROM PH



Mouth of creek southeast of CM 79

Station: FOMA0026 Parameter Code: 31621

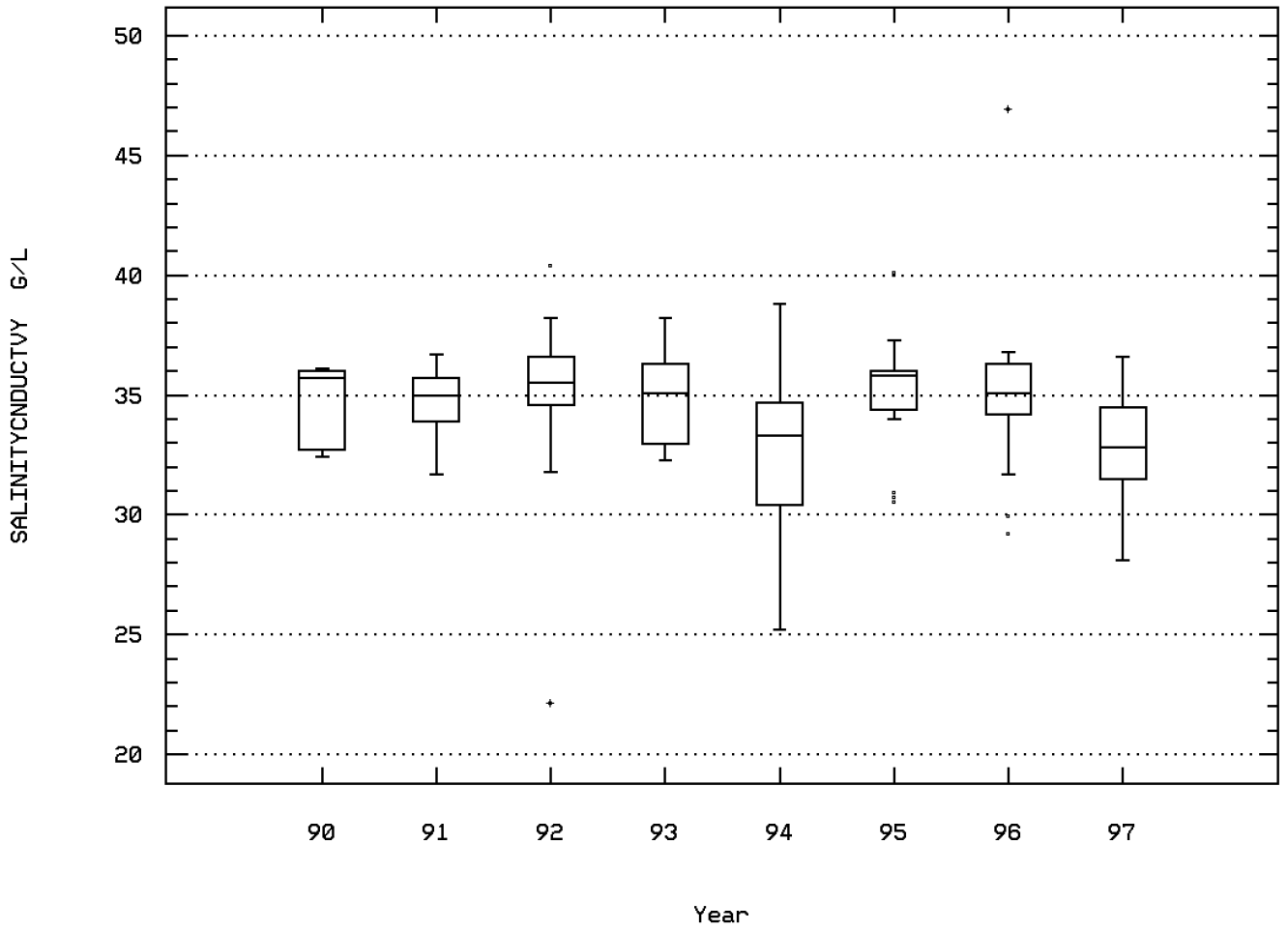
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Mouth of creek southeast of CM 79

Station: FOMA0026 Parameter Code: 70305

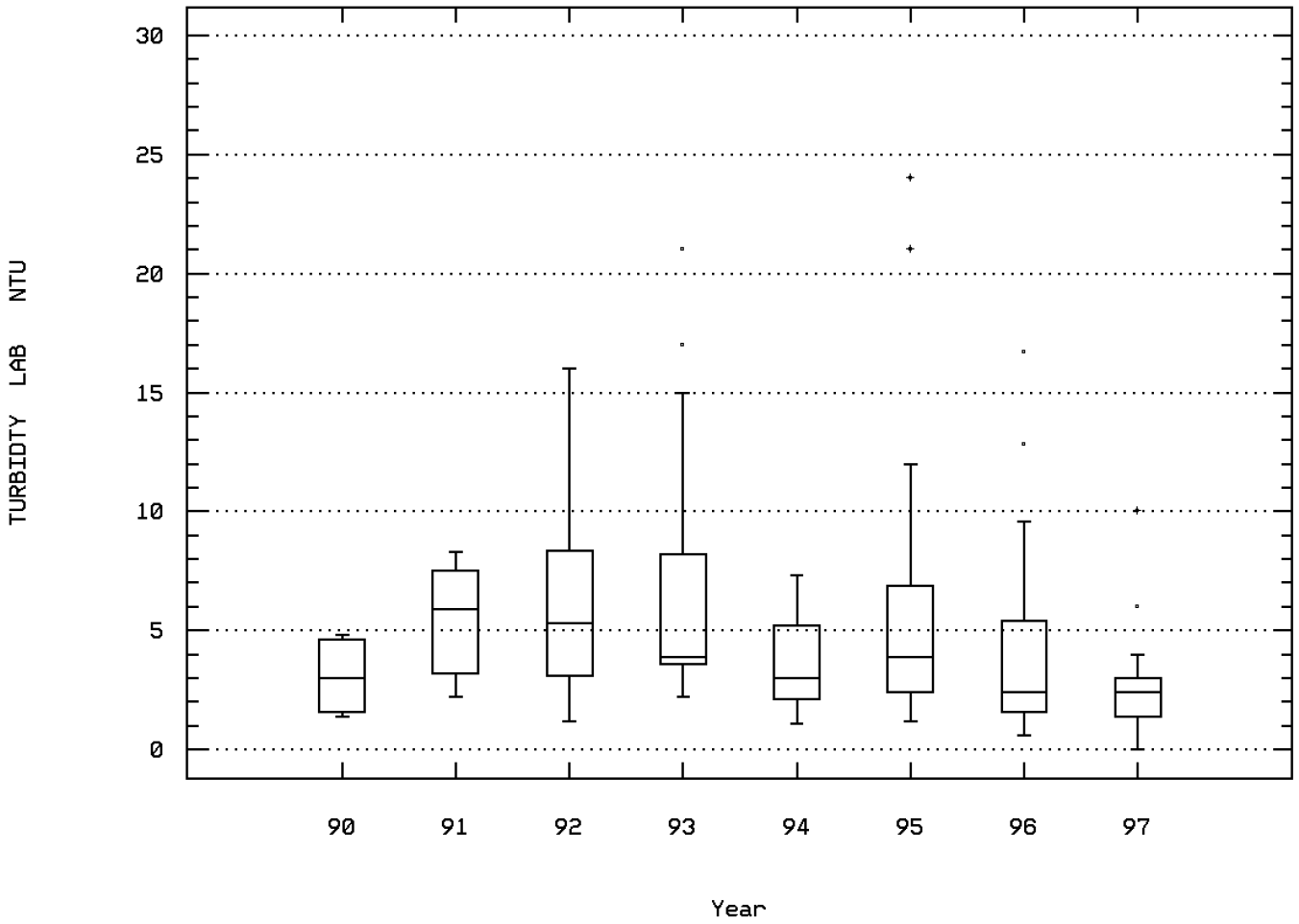
SALINITY BASED ON CONDUCTIVITY



Mouth of creek southeast of CM 79

Station: FOMA0026 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Mouth of creek southeast of CM 79

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	36	22.55	22.089	29.3	16.1	12.979	3.603	17.	19.2	24.8	27.8
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	27	8.	10.926	25.	0.	40.994	6.403	4.	6.	16.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	34	7.9	8.862	15.8	4.5	7.798	2.792	6.25	6.875	10.6	13.75
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	27	8.1	8.093	8.3	7.7	0.023	0.152	7.88	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	27	8.1	8.065	8.3	7.7	0.024	0.154	7.88	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	27	0.008	0.009	0.02	0.005	0.	0.003	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	27	5.	10.296	49.	1.	175.678	13.254	1.	1.	13.	35.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	27	0.699	0.678	1.69	0.	0.322	0.568	0.	0.	1.114	1.547
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.767								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	32	35.1	34.541	38.2	22.1	10.415	3.227	30.38	32.7	36.5	38.07
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	41	3.	3.61	9.	0.	4.294	2.072	1.2	2.5	5.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	27	4.5	4.626	16.	1.3	8.925	2.987	1.4	2.4	5.7	7.84

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	117	17.1	17.761	27.9	6.	29.105	5.395	10.84	13.1	22.5	25.2
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	83	10.	10.145	30.	0.	34.15	5.844	5.	6.	12.	19.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	94	8.1	8.434	17.1	2.1	6.609	2.571	5.5	6.7	10.325	11.2
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	83	8.1	8.104	8.4	7.4	0.029	0.169	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	83	8.1	8.063	8.4	7.4	0.03	0.174	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	83	0.008	0.009	0.04	0.004	0.	0.005	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	83	2.	11.506	140.	1.	517.765	22.754	1.	1.	8.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	83	0.301	0.59	2.146	0.	0.356	0.597	0.	0.	0.903	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.891								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	111	34.	33.75	46.9	25.2	9.849	3.138	29.54	32.3	35.3	36.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	124	3.	3.395	7.	0.	2.68	1.637	1.5	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	83	3.	4.371	24.	0.	15.856	3.982	1.14	1.7	5.6	8.36

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	50	27.3	26.55	29.8	20.3	5.806	2.41	22.36	24.65	28.225	29.39
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	40	6.	7.075	25.	0.	28.994	5.385	0.	4.25	10.	14.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	34	6.75	7.532	11.8	4.4	3.439	1.854	5.9	6.275	8.575	10.55
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	40	8.2	8.17	8.5	7.8	0.032	0.18	7.9	8.	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	40	8.2	8.133	8.5	7.8	0.034	0.184	7.9	8.	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	40	0.006	0.007	0.016	0.003	0.	0.003	0.004	0.005	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	40	2.	5.175	70.	1.	128.866	11.352	1.	1.	5.	12.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	40	0.301	0.387	1.845	0.	0.2	0.448	0.	0.	0.699	1.087
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.438								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	49	35.6	35.435	40.4	30.3	4.272	2.067	32.8	34.5	36.1	38.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	54	3.	3.13	7.	0.	2.794	1.672	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	40	4.3	6.135	21.	1.4	25.498	5.05	1.91	2.425	8.275	13.8

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

Station Inventory for Station: FOMA0027

NPS Station ID: FOMA0027
LAT/LON: 29.735670/ -81.241003
Agency: 21FLA
Date Created: 08/16/97
Location: Creek mouth west of CM 75
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88187SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	169	22.4	20.219	29.5	5.3	39.656	6.297	11.1	15.05	25.15	27.9
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	105	8.	9.876	30.	0.	39.648	6.297	4.	5.	14.5	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	125	7.6	7.935	14.4	2.	5.959	2.441	4.86	6.1	9.5	11.5
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	105	8.1	8.069	8.4	7.4	0.036	0.19	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	105	8.1	8.021	8.4	7.4	0.038	0.196	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	105	0.008	0.01	0.04	0.004	0.	0.005	0.005	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	105	5.	13.676	170.	1.	701.183	26.48	1.	2.	12.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	105	0.699	0.703	2.23	0.	0.341	0.584	0.	0.301	1.078	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.05								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	163	34.4	33.606	46.9	17.3	12.596	3.549	29.28	31.9	35.5	36.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	183	4.	4.645	13.	0.	6.186	2.487	2.	3.	6.	8.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	105	3.6	4.37	15.2	0.	11.199	3.346	1.26	1.8	5.9	8.54

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

EPA Water Quality Criteria Analysis for Station: FOMA0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	125	2	0.02	26	0	0.00	67	2	0.03	32	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	105	0	0.00	18	0	0.00	58	0	0.00	29	0	0.00			
		Other-Lo Lim.	6.5	105	0	0.00	18	0	0.00	58	0	0.00	29	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	105	0	0.00	18	0	0.00	58	0	0.00	29	0	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 1993 - Station FOMA0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	25	22.4	22.204	29.1	12.	24.795	4.979	15.9	18.	26.5	28.64
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	10.	10.286	18.	4.	18.22	4.268	4.	7.75	14.25	17.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	23	9.4	9.178	11.7	5.7	3.374	1.837	6.24	7.5	10.8	11.62
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	8.15	8.171	8.4	7.9	0.021	0.144	7.95	8.1	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	8.147	8.15	8.4	7.9	0.021	0.146	7.95	8.1	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.007	0.007	0.013	0.004	0.	0.002	0.004	0.005	0.008	0.011
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	2.	6.357	49.	1.	159.016	12.61	1.	1.	5.5	30.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.301	0.434	1.69	0.	0.248	0.498	0.	0.	0.736	1.366
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.719								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	22	34.6	34.577	37.8	32.3	3.132	1.77	32.4	32.5	35.7	37.37
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	25	5.	4.96	9.	2.	4.957	2.226	2.	3.	7.	8.4
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	6.55	7.029	15.	1.8	18.655	4.319	1.95	3.475	9.45	14.5

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

Annual Analysis for 1994 - Station FOMA0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	49	20.1	19.378	28.6	10.2	34.253	5.853	10.8	14.4	24.4	26.3
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	29	10.	10.	20.	0.	25.214	5.021	4.	6.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	43	9.1	8.891	14.4	4.3	7.961	2.822	4.74	6.7	10.9	12.9
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	29	8.2	8.148	8.4	7.6	0.026	0.162	8.	8.1	8.25	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	29	8.2	8.114	8.4	7.6	0.027	0.165	8.	8.1	8.25	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	29	0.006	0.008	0.025	0.004	0.	0.004	0.005	0.006	0.008	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	29	8.	14.483	110.	1.	466.33	21.595	1.	2.	17.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	29	0.903	0.817	2.041	0.	0.338	0.582	0.	0.301	1.23	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.565								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	48	32.1	31.992	38.8	17.3	20.391	4.516	25.92	29.975	35.075	37.86
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	51	4.	4.725	13.	0.	7.643	2.765	2.	3.	6.	8.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	29	3.	3.741	8.8	1.4	4.223	2.055	1.6	2.15	5.35	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 1995 - Station FOMA0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	24	22.95	19.558	26.3	8.4	38.568	6.21	10.1	12.95	24.775	26.05
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	20	8.	10.35	28.	0.	53.292	7.3	3.1	6.	13.75	24.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	8	7.6	6.563	9.1	2.	8.357	2.891	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	20	8.1	8.12	8.3	7.8	0.014	0.12	8.	8.025	8.2	8.29
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	20	8.1	8.103	8.3	7.8	0.015	0.121	8.	8.025	8.2	8.29
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	20	0.008	0.008	0.016	0.005	0.	0.002	0.005	0.006	0.009	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	20	2.	6.	23.	1.	50.	7.071	1.	1.	8.	22.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	20	0.301	0.519	1.362	0.	0.232	0.482	0.	0.	0.903	1.349
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.301								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	24	35.15	35.2	39.6	30.2	4.047	2.012	32.3	34.4	36.275	37.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	32	5.	4.719	10.	0.	6.596	2.568	0.	4.	6.	9.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	20	4.2	4.69	13.	1.	9.253	3.042	1.25	2.25	6.875	8.94

** - 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 1996 - Station FOMA0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	45	22.7	20.091	29.5	5.3	64.457	8.029	7.78	12.05	27.75	28.34
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	28	7.	9.821	30.	0.	61.115	7.818	0.	5.	13.5	25.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	27	5.9	6.044	8.1	4.3	1.103	1.05	4.76	5.1	7.	7.46
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	28	8.	7.986	8.2	7.6	0.031	0.176	7.7	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	28	8.	7.949	8.2	7.6	0.032	0.18	7.7	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	28	0.01	0.011	0.025	0.006	0.	0.005	0.006	0.008	0.013	0.02
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	28	5.	16.	130.	1.	937.333	30.616	1.	1.	8.	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	28	0.699	0.69	2.114	0.	0.409	0.64	0.	0.	0.903	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.893								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	43	34.7	34.628	46.9	28.6	13.008	3.607	29.14	33.8	36.	36.52
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	49	4.	4.306	10.	0.	6.092	2.468	2.	3.	6.	8.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	28	2.95	4.193	15.2	0.4	14.881	3.858	0.99	1.45	5.5	9.

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

Annual Analysis for 1997 - Station FOMA0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	26	21.25	20.727	28.	14.3	21.947	4.685	14.3	15.55	24.575	26.9
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	6.5	8.643	20.	0.	37.632	6.134	0.	5.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	24	7.4	7.617	10.3	4.3	2.36	1.536	5.9	6.525	8.45	10.15
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	7.95	7.893	8.1	7.4	0.048	0.22	7.5	7.775	8.1	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	7.947	7.835	8.1	7.4	0.052	0.228	7.5	7.775	8.1	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.011	0.015	0.04	0.008	0.	0.009	0.008	0.008	0.017	0.032
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	8.	25.643	170.	2.	2110.555	45.941	2.	5.	21.5	124.5
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.903	1.027	2.23	0.301	0.291	0.539	0.301	0.699	1.332	2.064
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.651								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	26	32.3	32.604	36.5	27.4	3.968	1.992	30.	31.375	34.6	34.93
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	26	4.	4.731	9.	1.	4.765	2.183	2.7	3.	6.25	8.3
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	1.9	2.914	10.	0.	6.411	2.532	0.45	1.575	3.775	7.85

** - 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

Station Inventory for Station: FOMA0028

NPS Station ID: FOMA0028
LAT/LON: 29.735670/ -81.250170
Agency: 21FLA
Date Created: 08/16/97
Location: Up creek west of CM 75
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88185SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	139	22.7	20.504	30.8	3.9	40.739	6.383	11.	15.7	25.5	28.
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	104	8.	9.933	30.	0.	39.073	6.251	4.	5.	14.75	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	107	7.7	7.79	14.6	2.2	5.652	2.377	4.96	6.1	9.4	10.92
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	104	8.1	8.033	8.4	7.3	0.04	0.199	7.75	7.925	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	104	8.1	7.98	8.4	7.3	0.043	0.206	7.75	7.925	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	104	0.008	0.01	0.05	0.004	0.	0.007	0.006	0.006	0.012	0.018
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	104	5.	16.25	350.	1.	1498.714	38.713	1.	2.	17.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	104	0.699	0.782	2.544	0.	0.334	0.578	0.	0.301	1.23	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.053								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	133	34.1	33.366	46.9	17.4	14.846	3.853	28.74	31.7	35.6	36.46
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	153	3.	4.124	15.	0.	9.07	3.012	1.	2.	6.	8.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	104	3.55	4.484	17.	0.	11.82	3.438	1.4	2.2	5.275	9.75

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: FOMA0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	107	1	0.01	20	0	0.00	60	1	0.02	27	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	104	0	0.00	18	0	0.00	57	0	0.00	29	0	0.00			
		Other-Lo Lim.	6.5	104	0	0.00	18	0	0.00	57	0	0.00	29	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	104	0	0.00	18	0	0.00	57	0	0.00	29	0	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 1993 - Station FOMA0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	21	22.9	21.876	29.1	11.6	32.976	5.742	12.44	16.55	26.7	28.7
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	10.	10.286	18.	4.	18.22	4.268	4.	7.75	14.25	17.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	20	9.3	8.955	11.7	5.5	3.577	1.891	5.83	7.15	10.875	11.36
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	8.2	8.157	8.4	7.9	0.018	0.134	7.95	8.075	8.225	8.35
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	8.2	8.138	8.4	7.9	0.018	0.136	7.95	8.075	8.225	8.35
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.006	0.007	0.013	0.004	0.	0.002	0.004	0.006	0.008	0.011
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	2.	7.357	49.	1.	159.016	12.61	1.	1.	8.75	31.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.301	0.525	1.69	0.	0.268	0.517	0.	0.	0.938	1.402
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.35								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	18	34.55	34.811	37.9	32.2	3.787	1.946	32.29	32.95	36.425	37.63
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	21	3.	4.905	12.	1.	12.29	3.506	2.	2.	8.	11.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	5.85	7.314	17.	1.8	18.257	4.273	2.7	4.375	10.35	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 1994 - Station FOMA0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	44	20.75	19.852	28.7	10.3	35.026	5.918	10.65	14.975	25.2	27.4
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	29	8.	9.862	20.	0.	25.195	5.019	4.	6.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	40	8.3	8.648	14.6	4.5	7.409	2.722	4.6	6.975	10.175	13.48
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	29	8.1	8.117	8.4	7.5	0.031	0.177	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	29	8.1	8.074	8.4	7.5	0.033	0.183	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	29	0.008	0.008	0.032	0.004	0.	0.005	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	29	5.	13.103	79.	1.	290.525	17.045	1.	2.	19.5	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	29	0.699	0.804	1.898	0.	0.31	0.557	0.	0.301	1.286	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.367								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	43	32.	31.365	39.9	17.4	20.533	4.531	25.88	29.	33.8	36.06
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	46	3.	3.435	7.	0.	3.273	1.809	1.7	2.	4.	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	29	3.5	3.938	13.	0.9	5.022	2.241	1.8	2.4	4.95	5.9

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

Annual Analysis for 1995 - Station FOMA0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	18	23.35	20.039	26.8	8.5	37.175	6.097	9.22	14.15	24.7	25.45
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	20	8.	10.35	28.	0.	53.292	7.3	3.1	6.	13.75	24.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	5	6.9	6.76	9.1	2.2	7.718	2.778	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	20	8.1	8.065	8.2	7.7	0.014	0.118	8.	8.	8.175	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	20	8.1	8.048	8.2	7.7	0.014	0.12	8.	8.	8.175	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	20	0.008	0.009	0.02	0.006	0.	0.003	0.006	0.007	0.01	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	20	3.	10.2	49.	1.	154.905	12.446	1.1	2.	20.75	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	20	0.452	0.703	1.69	0.	0.286	0.535	0.03	0.301	1.314	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.044								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	18	35.15	35.056	39.1	30.4	4.617	2.149	30.49	34.475	35.675	38.92
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	26	3.	3.731	11.	0.	8.925	2.987	0.	2.	5.	8.9
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	20	3.2	4.525	12.	1.	9.79	3.129	1.84	2.65	5.85	11.66

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

Annual Analysis for 1996 - Station FOMA0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	36	23.4	20.583	30.8	3.9	66.183	8.135	8.04	12.2	27.825	28.23
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	28	7.	9.821	30.	0.	61.115	7.818	0.	5.	13.5	25.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	23	5.8	5.852	7.8	4.2	0.884	0.94	4.62	5.2	6.5	7.52
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	28	8.	7.939	8.2	7.6	0.034	0.183	7.6	7.8	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	28	8.	7.9	8.2	7.6	0.035	0.188	7.6	7.8	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	28	0.01	0.013	0.025	0.006	0.	0.006	0.006	0.008	0.016	0.025
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	28	6.5	15.571	130.	1.	931.661	30.523	1.	2.	11.	40.7
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	28	0.801	0.779	2.114	0.	0.31	0.557	0.	0.301	1.041	1.571
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.008								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	34	34.85	34.835	46.9	28.3	14.832	3.851	29.1	33.325	35.85	36.55
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	40	3.	4.6	15.	0.	16.246	4.031	1.	2.	6.75	11.9
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	28	3.2	4.489	14.5	0.6	16.531	4.066	1.17	1.4	5.2	14.03

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

Annual Analysis for 1997 - Station FOMA0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	20	21.6	20.77	30.5	14.	23.375	4.835	14.11	15.325	24.7	26.42
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	13	7.	9.308	20.	0.	34.064	5.836	2.	5.	15.	18.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	19	7.	7.374	10.8	5.1	2.244	1.498	5.7	6.2	8.4	10.3
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	13	7.9	7.862	8.1	7.3	0.061	0.247	7.42	7.7	8.1	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	13	7.9	7.787	8.1	7.3	0.067	0.259	7.42	7.7	8.1	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	13	0.013	0.016	0.05	0.008	0.	0.012	0.008	0.008	0.02	0.04
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	13	22.	43.615	350.	1.	8682.756	93.181	1.	5.	33.	229.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	13	1.342	1.139	2.544	0.	0.477	0.691	0.	0.699	1.519	2.203
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			13.763								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	20	31.9	32.35	36.3	26.9	5.781	2.404	29.45	31.15	34.325	36.15
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	20	5.5	4.45	7.	1.	4.155	2.038	2.	2.	6.	6.9
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	13	2.2	2.577	6.	0.	3.255	1.804	0.36	1.2	3.7	5.88

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

Station Inventory for Station: FOMA0029

NPS Station ID: FOMA0029
LAT/LON: 29.736671/ -81.239170
Agency: 21FLA
Date Created: 08/16/97
Location: Up creek from station 31
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88032SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	176	21.7	20.422	31.3	4.8	37.404	6.116	11.5	15.825	25.775	27.93
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	143	8.	9.119	30.	0.	35.303	5.942	4.	5.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	140	7.9	8.194	17.	2.2	5.231	2.287	5.71	6.5	9.775	10.99
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	143	8.1	8.101	8.4	7.4	0.028	0.166	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	143	8.1	8.065	8.4	7.4	0.029	0.17	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	143	0.008	0.009	0.04	0.004	0.	0.004	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	143	5.	13.084	220.	1.	744.866	27.292	1.	2.	13.	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	143	0.699	0.69	2.342	0.	0.326	0.571	0.	0.301	1.114	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.898								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	165	34.5	33.997	46.9	19.6	10.663	3.265	30.12	32.3	35.8	37.04
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	191	3.	2.927	9.	0.	3.058	1.749	1.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	143	4.1	5.242	26.	0.	19.435	4.408	1.4	2.2	6.5	10.84

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

EPA Water Quality Criteria Analysis for Station: FOMA0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	140	1	0.01	28	0	0.00	84	1	0.01	28	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	143	0	0.00	26	0	0.00	80	0	0.00	37	0	0.00			
		Other-Lo Lim.	6.5	143	0	0.00	26	0	0.00	80	0	0.00	37	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	143	0	0.00	26	0	0.00	80	0	0.00	37	0	0.00			

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

Annual Analysis for 1990 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	8	22.5	23.225	30.	17.5	27.482	5.242	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	5.	4.5	8.	0.	6.7	2.588	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	8	6.9	7.25	9.1	6.1	0.957	0.978	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.2	8.167	8.2	8.	0.007	0.082	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.2	8.16	8.2	8.	0.007	0.082	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.006	0.007	0.01	0.006	0.	0.002	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	1.5	2.5	5.	1.	3.9	1.975	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.151	0.283	0.699	0.	0.117	0.343	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			1.919								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	8	32.65	32.888	35.8	25.6	11.218	3.349	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	8	2.	2.25	4.	1.	1.357	1.165	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	2.8	3.5	7.6	1.2	5.932	2.436	**	**	**	**

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

Annual Analysis for 1991 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	17	26.7	25.529	30.	16.9	15.002	3.873	16.98	23.55	28.25	29.2
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	11	8.	7.091	12.	0.	10.891	3.3	0.8	5.	10.	11.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	10	6.25	6.54	7.9	5.2	0.809	0.9	5.26	5.875	7.425	7.86
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	11	8.1	8.1	8.3	8.	0.006	0.077	8.	8.1	8.1	8.26
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	11	8.1	8.094	8.3	8.	0.006	0.078	8.	8.1	8.1	8.26
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	11	0.008	0.008	0.01	0.005	0.	0.001	0.006	0.008	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	11	2.	6.636	23.	1.	70.455	8.394	1.	1.	13.	22.6
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	11	0.301	0.491	1.362	0.	0.313	0.56	0.	0.	1.114	1.354
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.097								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	17	34.3	33.671	35.5	29.8	3.416	1.848	29.88	32.4	35.	35.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	17	3.	3.235	5.	1.	1.316	1.147	1.8	2.	4.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	11	5.8	5.391	10.	2.4	4.557	2.135	2.44	3.9	6.4	9.32

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

Annual Analysis for 1992 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	29	18.1	19.121	27.4	12.3	18.99	4.358	13.3	15.95	22.8	25.3
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	21	8.	9.333	20.	4.	21.133	4.597	5.	5.	11.	17.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	29	9.1	8.903	17.	6.1	4.512	2.124	6.4	7.4	10.2	10.5
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	21	8.1	8.143	8.4	7.9	0.018	0.133	8.	8.1	8.25	8.38
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	21	8.1	8.125	8.4	7.9	0.018	0.134	8.	8.1	8.25	8.38
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	21	0.008	0.008	0.013	0.004	0.	0.002	0.004	0.006	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	21	2.	6.	33.	1.	58.3	7.635	1.	1.	11.	13.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	21	0.301	0.508	1.519	0.	0.234	0.484	0.	0.	1.041	1.114
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.221								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	25	35.6	35.568	40.2	30.7	3.409	1.846	33.36	34.6	36.55	37.86
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	30	4.	3.733	9.	1.	4.478	2.116	1.	2.	5.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	21	5.2	6.624	17.	1.2	22.989	4.795	2.04	2.6	10.7	14.84

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

Annual Analysis for 1993 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	21	21.3	20.19	29.2	10.7	42.439	6.515	11.04	13.9	26.35	28.64
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	10.	10.353	20.	4.	23.118	4.808	4.	7.	14.5	18.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	20	9.7	9.435	11.8	6.2	3.008	1.734	7.11	7.525	11.	11.59
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.1	8.165	8.4	7.9	0.021	0.146	7.98	8.1	8.25	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.1	8.143	8.4	7.9	0.022	0.147	7.98	8.1	8.25	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.008	0.007	0.013	0.004	0.	0.002	0.004	0.006	0.008	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	5.	6.471	33.	1.	57.39	7.576	1.	1.5	8.	15.4
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.699	0.598	1.519	0.	0.203	0.451	0.	0.151	0.903	1.137
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.961								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	17	35.	34.635	37.6	31.9	4.502	2.122	32.14	32.5	36.65	37.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	21	2.	2.286	4.	1.	0.814	0.902	1.	2.	3.	3.8
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	5.	8.029	26.	1.7	47.535	6.895	1.86	3.7	12.55	19.6

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

Annual Analysis for 1994 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	38	21.1	19.529	28.3	9.8	37.425	6.118	10.38	14.125	24.725	27.42
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	10.	9.759	20.	0.	24.261	4.926	4.	5.5	14.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	34	9.05	8.885	14.7	4.2	8.49	2.914	4.7	6.5	10.825	13.75
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.2	8.162	8.4	7.7	0.022	0.15	8.	8.1	8.3	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.2	8.134	8.4	7.7	0.023	0.152	8.	8.1	8.3	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.006	0.007	0.02	0.004	0.	0.003	0.005	0.005	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	11.	28.034	220.	1.	2289.392	47.848	1.	3.5	23.	94.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	1.041	0.996	2.342	0.	0.438	0.662	0.	0.5	1.362	1.973
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.898								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	37	32.3	31.995	38.8	19.6	16.069	4.009	25.58	30.25	34.4	37.94
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	40	3.	3.025	9.	0.	4.025	2.006	1.	2.	3.75	5.9
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	4.1	4.848	14.	1.4	10.82	3.289	1.5	2.25	6.65	9.9

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

Annual Analysis for 1995 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	15	22.5	19.087	26.	9.2	41.361	6.431	10.64	11.7	24.9	25.82
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	19	8.	9.316	28.	0.	58.673	7.66	0.	5.	10.	25.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	4	7.85	6.975	10.	2.2	11.176	3.343	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	19	8.2	8.153	8.3	7.8	0.015	0.122	8.	8.1	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	19	8.2	8.134	8.3	7.8	0.015	0.123	8.	8.1	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	19	0.006	0.007	0.016	0.005	0.	0.003	0.005	0.006	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	19	2.	6.316	23.	1.	49.45	7.032	1.	1.	14.	17.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	19	0.301	0.522	1.362	0.	0.264	0.514	0.	0.	1.146	1.23
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.328								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	15	35.5	35.593	40.1	31.2	4.495	2.12	33.	34.7	35.9	39.86
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	23	2.	2.739	7.	0.	4.292	2.072	0.	1.	4.	6.2
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	19	3.9	4.442	9.2	1.	5.085	2.255	2.	2.8	6.1	8.2

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

Annual Analysis for 1996 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	29	19.6	19.879	29.7	4.8	60.229	7.761	9.8	12.	27.75	28.2
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	26	6.5	9.462	30.	0.	65.378	8.086	0.	4.75	12.5	25.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	17	6.2	6.288	7.5	4.9	0.597	0.773	5.14	5.7	7.	7.34
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	26	8.	8.015	8.2	7.7	0.023	0.152	7.8	7.9	8.125	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	26	8.	7.989	8.2	7.7	0.024	0.154	7.8	7.9	8.125	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	26	0.01	0.01	0.02	0.006	0.	0.004	0.006	0.008	0.013	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	26	5.	11.731	79.	1.	421.805	20.538	1.	2.	13.	39.8
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	26	0.699	0.72	1.898	0.	0.263	0.513	0.	0.301	1.114	1.522
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.248								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	27	35.	35.211	46.9	29.2	16.243	4.03	29.78	33.5	36.1	38.98
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	33	2.	2.667	6.	0.	2.792	1.671	0.4	2.	4.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	26	3.35	4.235	18.2	0.7	17.495	4.183	1.07	1.375	4.9	10.92

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

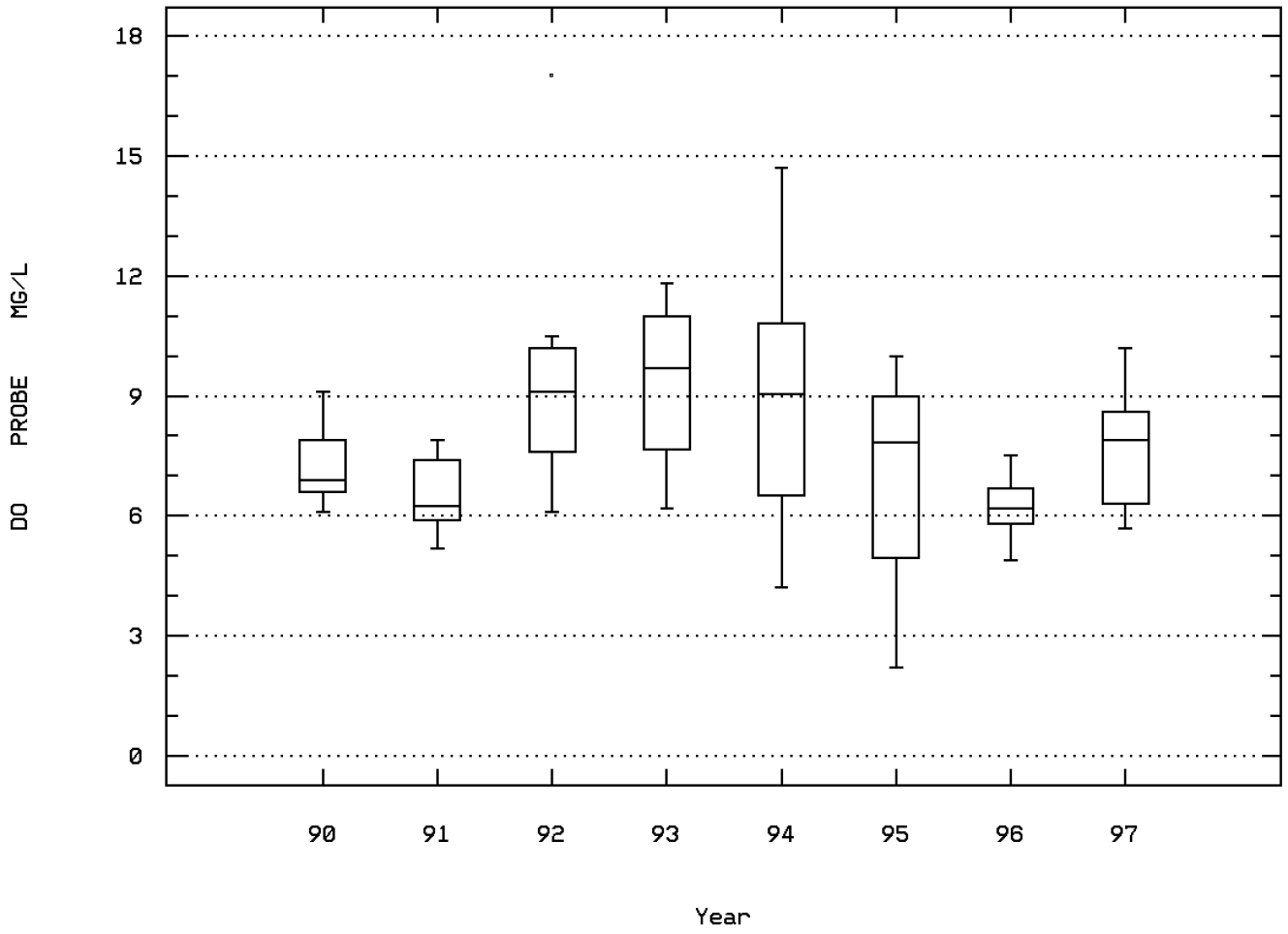
Annual Analysis for 1997 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	19	21.6	20.579	31.3	14.	25.558	5.056	14.	16.	24.9	26.8
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	6.5	8.643	20.	0.	37.632	6.134	0.	5.	15.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	18	7.9	7.772	10.2	5.7	2.32	1.523	5.7	6.275	8.875	10.02
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	7.9	7.9	8.2	7.4	0.048	0.218	7.5	7.775	8.1	8.15
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	7.9	7.842	8.2	7.4	0.051	0.226	7.5	7.775	8.1	8.15
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.013	0.014	0.04	0.006	0.	0.009	0.007	0.008	0.017	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	6.5	22.071	130.	2.	1228.225	35.046	2.	2.	29.5	89.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	0.801	0.945	2.114	0.301	0.357	0.597	0.301	0.301	1.444	1.902
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.818								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	19	32.4	33.032	36.6	29.2	4.088	2.022	30.	31.9	35.	36.3
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	19	3.	2.842	5.	1.	1.474	1.214	1.	2.	4.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	2.4	4.186	22.	0.	29.463	5.428	0.5	1.5	4.875	14.25

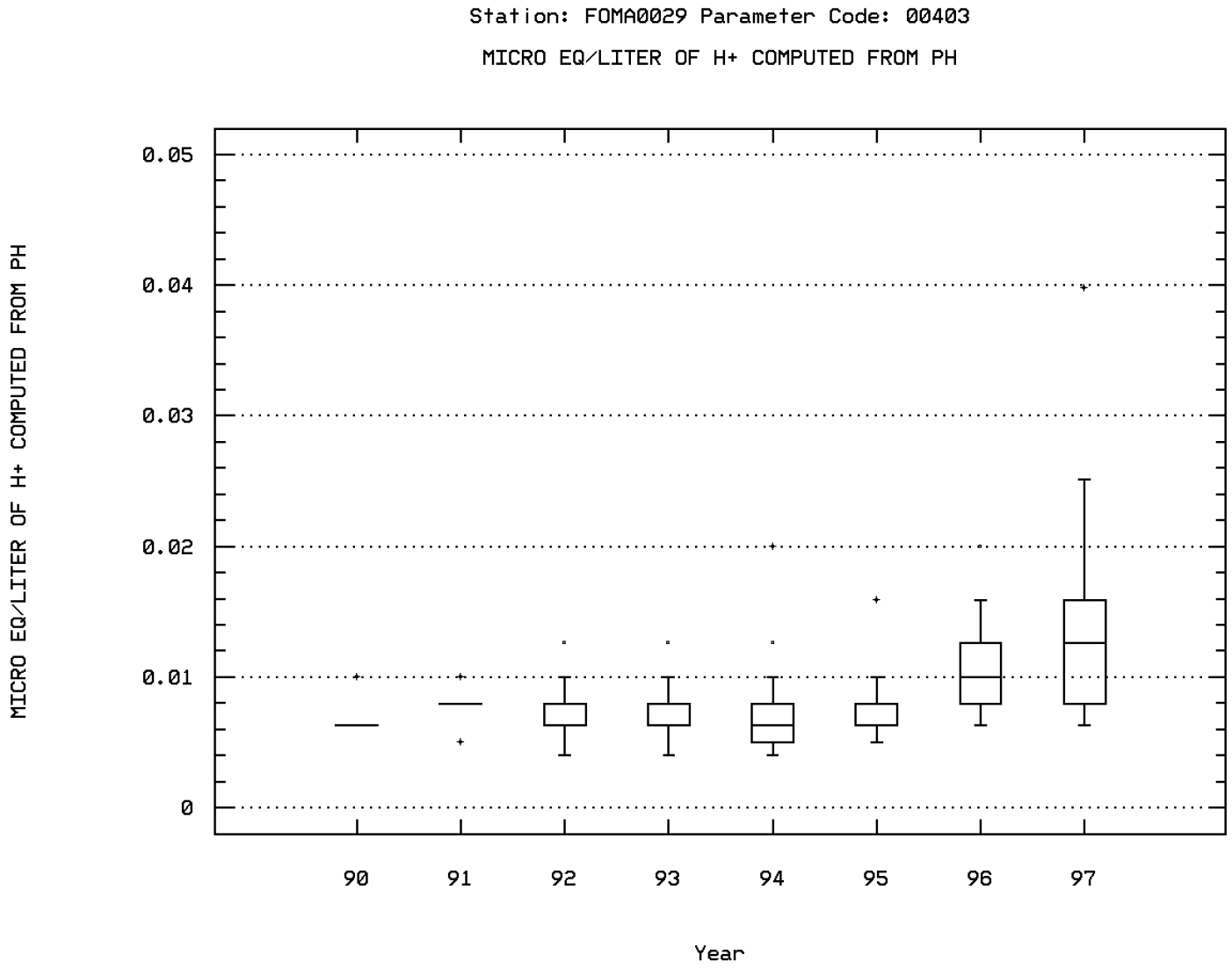
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0029 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



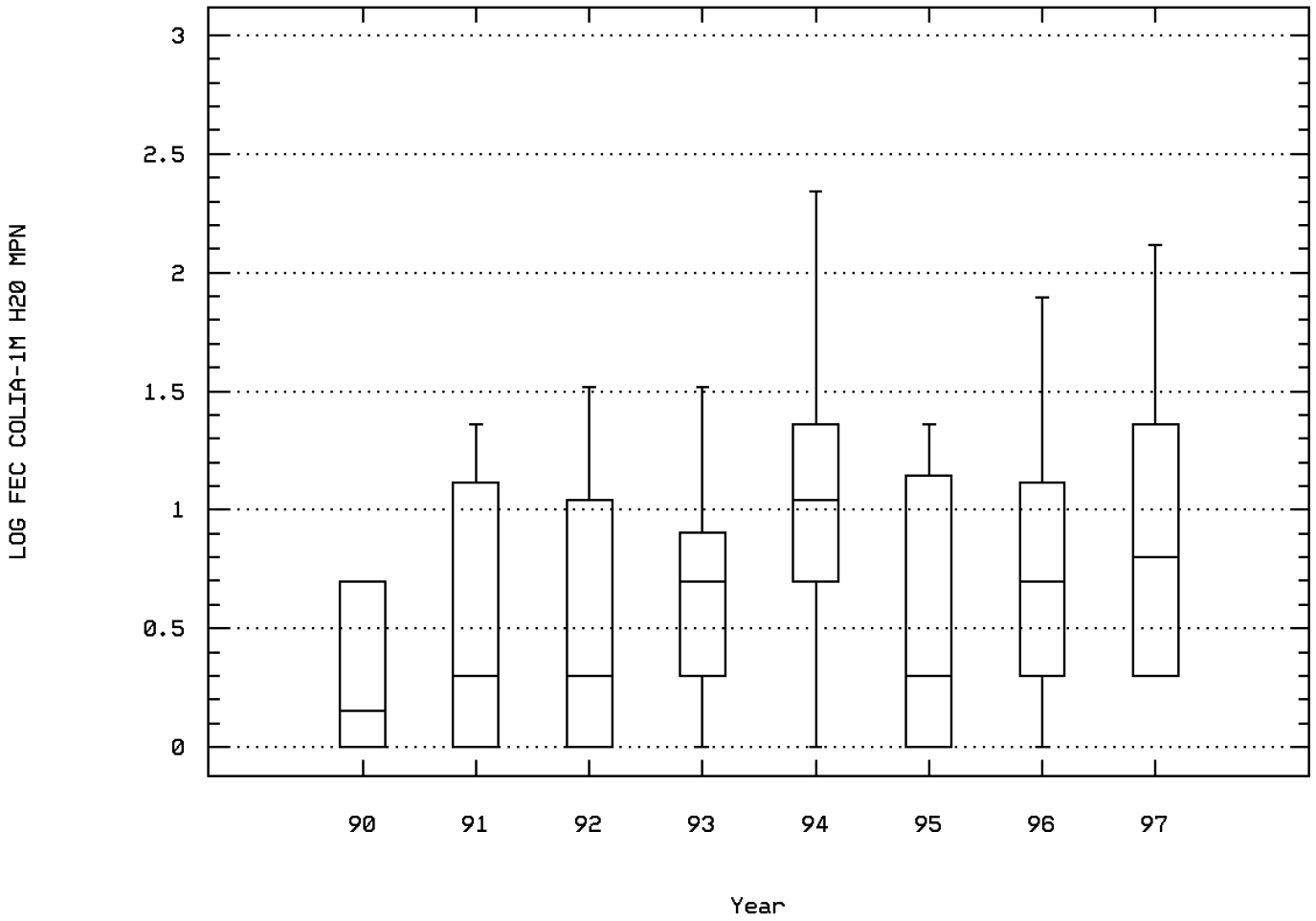
Up creek from station 31



Up creek from station 31

Station: FOMA0029 Parameter Code: 31621

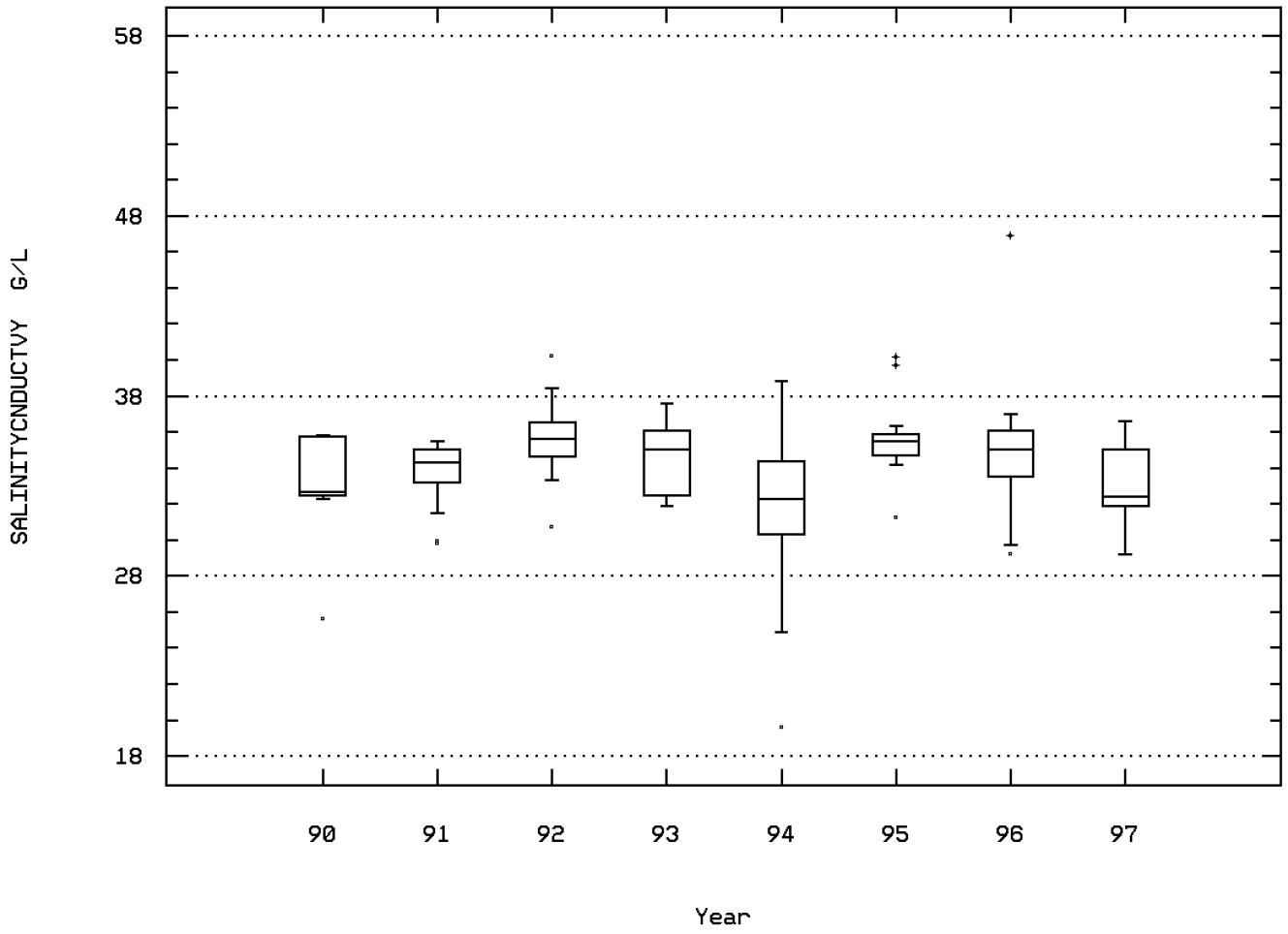
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Up creek from station 31

Station: FOMA0029 Parameter Code: 70305

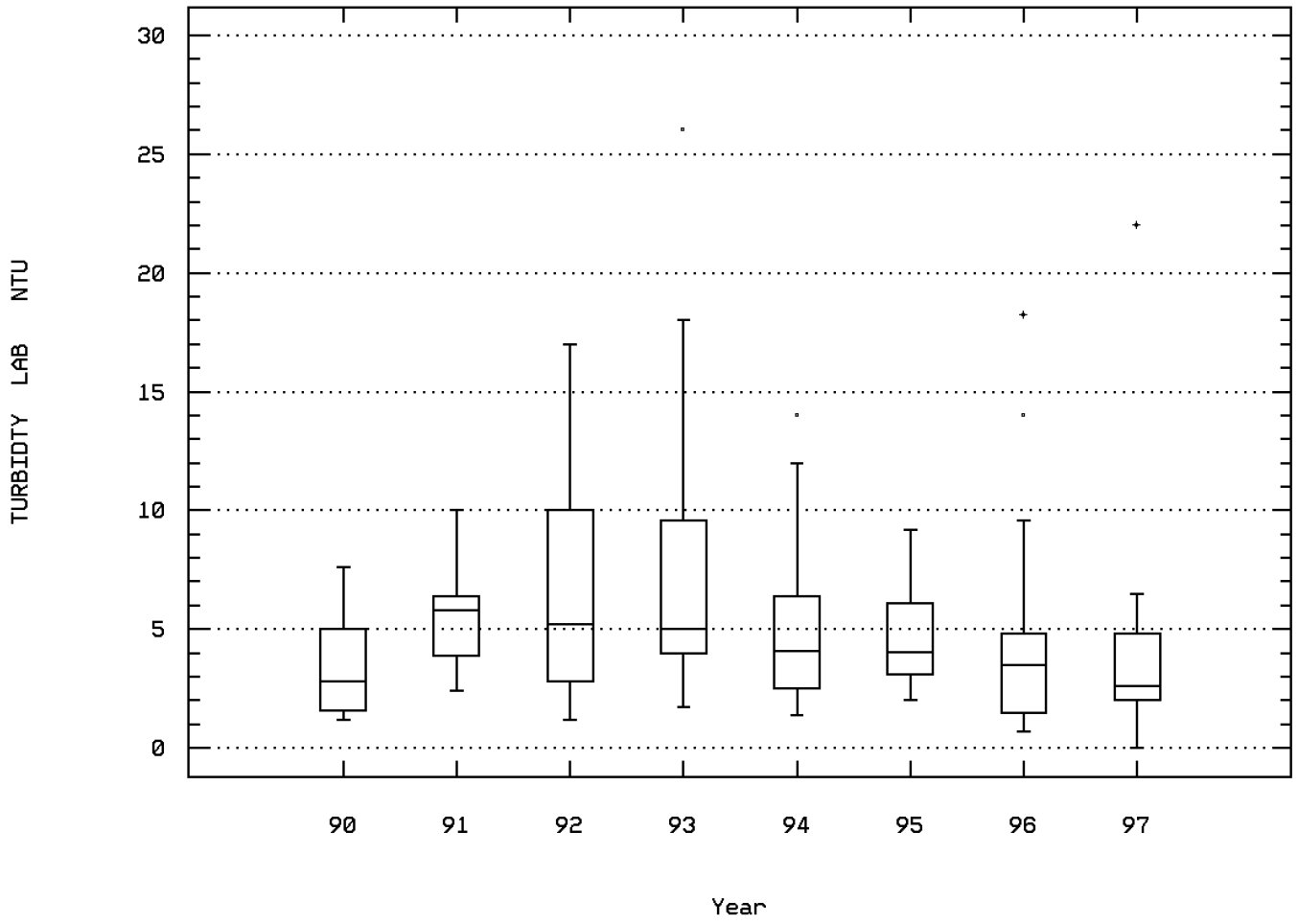
SALINITY BASED ON CONDUCTIVITY



Up creek from station 31

Station: FOMA0029 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Up creek from station 31

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	30	22.3	21.693	27.8	15.9	12.001	3.464	16.41	19.	24.525	27.53
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	26	9.	10.385	25.	0.	42.326	6.506	2.1	5.	15.25	19.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	28	7.6	8.539	14.7	5.8	6.118	2.473	6.29	6.75	9.625	13.85
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	26	8.1	8.092	8.3	7.8	0.016	0.126	7.9	8.	8.2	8.23
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	26	8.1	8.074	8.3	7.8	0.016	0.128	7.9	8.	8.2	8.23
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	26	0.008	0.008	0.016	0.005	0.	0.003	0.006	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	26	7.	10.192	49.	1.	114.082	10.681	1.	4.75	13.	26.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	26	0.845	0.815	1.69	0.	0.192	0.438	0.	0.675	1.114	1.409
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.537								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	26	34.9	33.908	38.4	25.6	11.031	3.321	29.77	30.65	36.2	37.96
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	35	3.	2.943	9.	0.	3.585	1.893	0.6	2.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	26	4.95	5.342	17.	1.3	12.128	3.483	1.82	3.35	5.7	10.01

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	104	17.	17.356	27.9	4.8	30.191	5.495	10.6	12.325	22.375	25.45
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	80	8.	9.688	30.	0.	36.04	6.003	4.1	5.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	84	8.2	8.358	17.	2.2	5.69	2.385	5.45	6.4	10.1	11.1
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	80	8.1	8.081	8.4	7.4	0.028	0.167	7.9	8.	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	80	8.1	8.043	8.4	7.4	0.029	0.171	7.9	8.	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	80	0.008	0.009	0.04	0.004	0.	0.005	0.006	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	80	5.	17.313	220.	1.	1236.572	35.165	1.	2.	13.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	80	0.699	0.732	2.342	0.	0.398	0.631	0.	0.301	1.114	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.392								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	98	33.5	33.446	46.9	19.6	12.059	3.473	29.92	32.05	35.1	36.41
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	110	3.	3.036	9.	0.	3.118	1.766	1.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	80	3.15	4.319	22.	0.	16.458	4.057	1.2	1.9	5.175	9.6

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	42	27.6	27.105	31.3	21.	4.538	2.13	24.23	25.825	28.45	29.58
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	37	6.	7.	25.	0.	24.278	4.927	0.	4.	10.	14.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	28	7.15	7.354	10.4	4.9	2.383	1.544	5.47	6.1	8.45	9.65
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	37	8.2	8.151	8.4	7.7	0.033	0.182	7.8	8.1	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	37	8.2	8.111	8.4	7.7	0.035	0.187	7.8	8.1	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	37	0.006	0.008	0.02	0.004	0.	0.004	0.004	0.005	0.008	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	37	2.	5.973	23.	1.	47.527	6.894	1.	1.	9.	18.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	37	0.301	0.512	1.362	0.	0.232	0.482	0.	0.	0.943	1.257
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.25								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	41	35.5	35.371	40.2	30.	4.897	2.213	32.14	34.25	36.05	38.7
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	46	2.	2.652	7.	0.	2.543	1.595	1.	2.	3.25	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	37	6.	7.168	26.	1.2	26.409	5.139	2.16	3.45	9.6	15.1

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

Station Inventory for Station: FOMA0030

NPS Station ID: FOMA0030
LAT/LON: 29.738003/ -81.240170
Agency: 21FLA
Date Created: 08/16/97
Location: Mouth of creek east of CM 75
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88031SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	222	22.	20.65	29.9	5.6	35.667	5.972	11.5	16.4	25.225	28.07
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	150	8.	8.933	30.	0.	34.331	5.859	4.	5.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	177	7.7	8.123	15.3	2.1	5.009	2.238	5.6	6.45	9.85	10.9
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	150	8.1	8.095	8.4	7.4	0.028	0.168	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	150	8.1	8.059	8.4	7.4	0.029	0.172	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	150	0.008	0.009	0.04	0.004	0.	0.004	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	150	5.	15.327	240.	1.	1202.181	34.672	1.	2.	13.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	150	0.699	0.699	2.38	0.	0.352	0.593	0.	0.301	1.114	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	209	34.3	33.776	46.9	19.6	10.904	3.302	30.	32.3	35.7	36.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	237	3.	3.814	8.	0.	3.686	1.92	2.	2.5	5.	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	150	3.75	4.825	33.	0.	16.546	4.068	1.4	2.1	6.125	9.15

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

EPA Water Quality Criteria Analysis for Station: FOMA0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	177	3	0.02	34	0	0.00	101	1	0.01	42	2	0.05			
00403	PH, LAB	Marine Chronic	8.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
		Other-Lo Lim.	6.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	0	0.00	27	0	0.00	83	0	0.00	40	0	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 1990 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	9	20.9	22.767	29.5	17.	24.713	4.971	17.	18.1	28.5	29.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	5.	4.5	8.	0.	6.7	2.588	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	9	7.2	7.511	9.8	6.5	1.006	1.003	6.5	6.8	7.95	9.8
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.15	8.133	8.2	8.	0.007	0.082	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.147	8.127	8.2	8.	0.007	0.082	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.007	0.007	0.01	0.006	0.	0.001	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	3.5	3.833	8.	1.	6.967	2.639	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.5	0.484	0.903	0.	0.114	0.337	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.047								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	9	35.4	34.311	36.	32.3	2.614	1.617	32.3	32.65	35.7	36.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	9	2.	4.	8.	1.	8.75	2.958	1.	1.5	7.	8.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	3.2	3.2	5.6	1.2	2.8	1.673	**	**	**	**

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

Annual Analysis for 1991 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	22	26.75	25.573	29.9	16.7	14.422	3.798	18.36	22.525	28.425	29.6
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	12	7.5	6.583	10.	0.	7.902	2.811	1.2	5.	8.	10.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	14	6.35	6.593	8.2	5.	1.19	1.091	5.05	5.75	7.675	8.15
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	12	8.1	8.1	8.2	8.	0.004	0.06	8.	8.1	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	12	8.1	8.096	8.2	8.	0.004	0.06	8.	8.1	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	12	0.008	0.008	0.01	0.006	0.	0.001	0.006	0.008	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	12	2.	3.25	17.	1.	20.386	4.515	1.	1.	3.5	13.4
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	12	0.301	0.311	1.23	0.	0.142	0.377	0.	0.	0.527	1.071
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.048								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	22	34.	33.609	35.3	30.	2.276	1.509	30.8	32.975	34.9	35.18
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	22	6.	5.545	8.	2.	2.926	1.711	2.6	4.	7.	7.7
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	12	5.6	5.833	12.	2.3	8.177	2.86	2.57	3.4	8.125	10.95

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

Annual Analysis for 1992 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	33	20.7	20.23	29.9	12.3	23.582	4.856	13.28	16.35	23.95	26.94
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	24	7.5	9.042	18.	0.	26.563	5.154	4.5	5.	11.5	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	33	8.3	8.591	15.3	5.2	4.128	2.032	6.04	7.15	10.15	10.66
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	24	8.1	8.142	8.4	7.9	0.02	0.141	7.95	8.025	8.275	8.35
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	24	8.1	8.12	8.4	7.9	0.02	0.143	7.95	8.025	8.275	8.35
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	24	0.008	0.008	0.013	0.004	0.	0.002	0.004	0.005	0.009	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	24	3.	5.125	33.	1.	45.592	6.752	1.	1.25	5.	12.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	24	0.452	0.497	1.519	0.	0.172	0.414	0.	0.075	0.699	1.078
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.14								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	29	34.9	35.259	40.2	26.5	6.878	2.623	32.6	34.4	36.65	38.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	34	3.	3.471	6.	1.	2.014	1.419	2.	2.	4.25	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	24	6.45	7.692	33.	1.4	46.554	6.823	2.	3.525	9.2	16.

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

Annual Analysis for 1993 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	28	19.8	20.211	29.6	10.4	39.464	6.282	11.25	16.125	25.925	29.1
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	10.	10.176	20.	4.	24.904	4.99	4.	6.	14.5	18.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	26	10.15	9.488	11.4	6.1	2.395	1.548	7.04	8.55	10.75	11.23
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.2	8.165	8.4	7.9	0.02	0.141	7.98	8.1	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.2	8.144	8.4	7.9	0.02	0.143	7.98	8.1	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.006	0.007	0.013	0.004	0.	0.002	0.004	0.006	0.008	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	2.	23.294	240.	1.	3399.471	58.305	1.	1.5	14.	104.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.301	0.698	2.38	0.	0.488	0.699	0.	0.151	1.136	1.952
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.991								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	22	34.55	34.464	37.7	32.	3.583	1.893	32.3	32.625	35.85	37.45
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	28	3.5	4.321	8.	1.	4.597	2.144	2.	3.	6.	8.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	5.	5.859	16.	1.8	11.504	3.392	1.96	3.75	8.	10.16

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

Annual Analysis for 1994 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	47	20.	19.391	28.4	10.1	31.699	5.63	10.56	15.4	23.8	26.62
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	10.	9.759	20.	0.	24.261	4.926	4.	5.5	14.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	42	9.	9.11	14.4	4.3	7.522	2.743	5.06	6.8	10.7	13.57
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.2	8.166	8.4	7.7	0.024	0.156	8.	8.05	8.3	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.2	8.136	8.4	7.7	0.025	0.159	8.	8.05	8.3	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.006	0.007	0.02	0.004	0.	0.003	0.004	0.005	0.009	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	11.	25.069	240.	1.	2325.567	48.224	2.	3.	23.	49.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	1.041	0.984	2.38	0.	0.355	0.596	0.301	0.452	1.362	1.69
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.647								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	46	32.25	31.859	38.9	19.6	18.347	4.283	25.62	29.9	34.55	37.56
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	49	3.	3.694	8.	0.	3.342	1.828	2.	3.	4.	7.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	3.3	4.103	14.5	1.2	9.377	3.062	1.7	2.2	5.1	6.4

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

Annual Analysis for 1995 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	20	22.95	19.015	26.5	8.8	38.876	6.235	9.28	12.525	24.35	25.
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	20	7.5	9.1	28.	0.	61.779	7.86	0.	4.25	10.	24.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	6	7.45	7.117	9.8	2.1	7.894	2.81	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	20	8.2	8.155	8.3	7.8	0.012	0.11	8.01	8.1	8.2	8.29
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	20	8.2	8.14	8.3	7.8	0.012	0.111	8.01	8.1	8.2	8.29
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	20	0.006	0.007	0.016	0.005	0.	0.002	0.005	0.006	0.008	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	20	2.	6.6	27.	1.	57.305	7.57	2.	2.	8.	22.4
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	20	0.301	0.603	1.431	0.	0.179	0.423	0.301	0.301	0.903	1.349
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.004								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	20	35.2	35.265	39.9	30.6	4.574	2.139	31.33	34.55	35.9	39.23
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	28	4.	3.607	7.	0.	4.47	2.114	0.	2.	5.75	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	20	3.45	4.15	13.	1.	8.928	2.988	1.13	1.85	5.825	8.56

** - 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 1996 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	38	22.85	20.539	29.1	5.6	57.75	7.599	9.48	12.2	27.9	28.31
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	28	5.5	9.143	30.	0.	53.683	7.327	2.9	5.	12.	25.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	24	6.25	6.238	8.2	4.4	0.727	0.853	5.	5.65	6.9	7.15
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	28	8.	7.993	8.2	7.7	0.022	0.149	7.79	7.9	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	28	8.	7.967	8.2	7.7	0.023	0.151	7.79	7.9	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	28	0.01	0.011	0.02	0.006	0.	0.004	0.006	0.008	0.013	0.016
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	28	5.	19.607	140.	1.	1342.247	36.637	1.	2.	17.	84.1
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	28	0.699	0.754	2.146	0.	0.452	0.673	0.	0.301	1.23	1.919
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.676								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	36	34.7	34.6	46.9	27.1	15.607	3.951	29.1	33.375	35.95	36.5
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	42	3.	3.167	8.	0.	3.362	1.834	1.	2.	4.	6.4
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	28	3.	3.761	10.5	0.7	7.982	2.825	0.99	1.6	5.725	8.55

** - 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

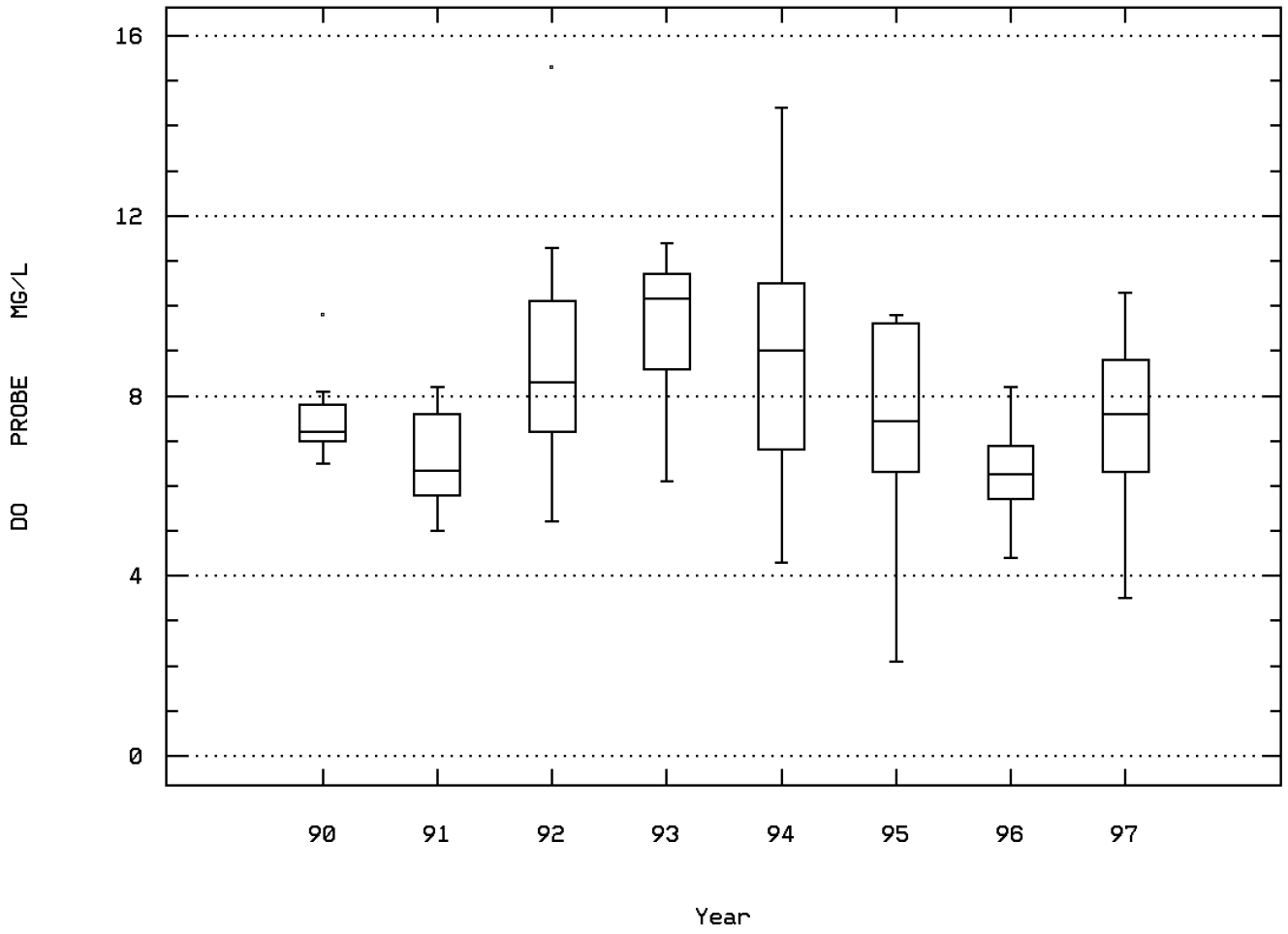
Annual Analysis for 1997 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	25	20.6	20.444	28.	14.2	21.422	4.628	14.3	15.4	25.	26.24
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	6.	8.786	20.	0.	34.643	5.886	2.	4.75	15.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	23	7.6	7.504	10.3	3.5	3.115	1.765	4.76	6.3	8.8	9.92
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	7.95	7.886	8.1	7.4	0.043	0.207	7.5	7.775	8.025	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	7.947	7.833	8.1	7.4	0.046	0.214	7.5	7.775	8.025	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.011	0.015	0.04	0.008	0.	0.009	0.008	0.009	0.017	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	6.5	22.143	79.	1.	724.747	26.921	1.	1.75	37.	74.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	0.801	0.907	1.898	0.	0.514	0.717	0.	0.226	1.561	1.871
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.069								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	25	32.3	32.556	36.8	28.8	5.009	2.238	29.9	30.5	34.65	35.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	25	3.	3.68	6.	2.	1.31	1.145	2.	3.	4.5	5.4
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	2.	3.079	12.	0.	8.991	2.999	0.6	1.55	4.275	9.

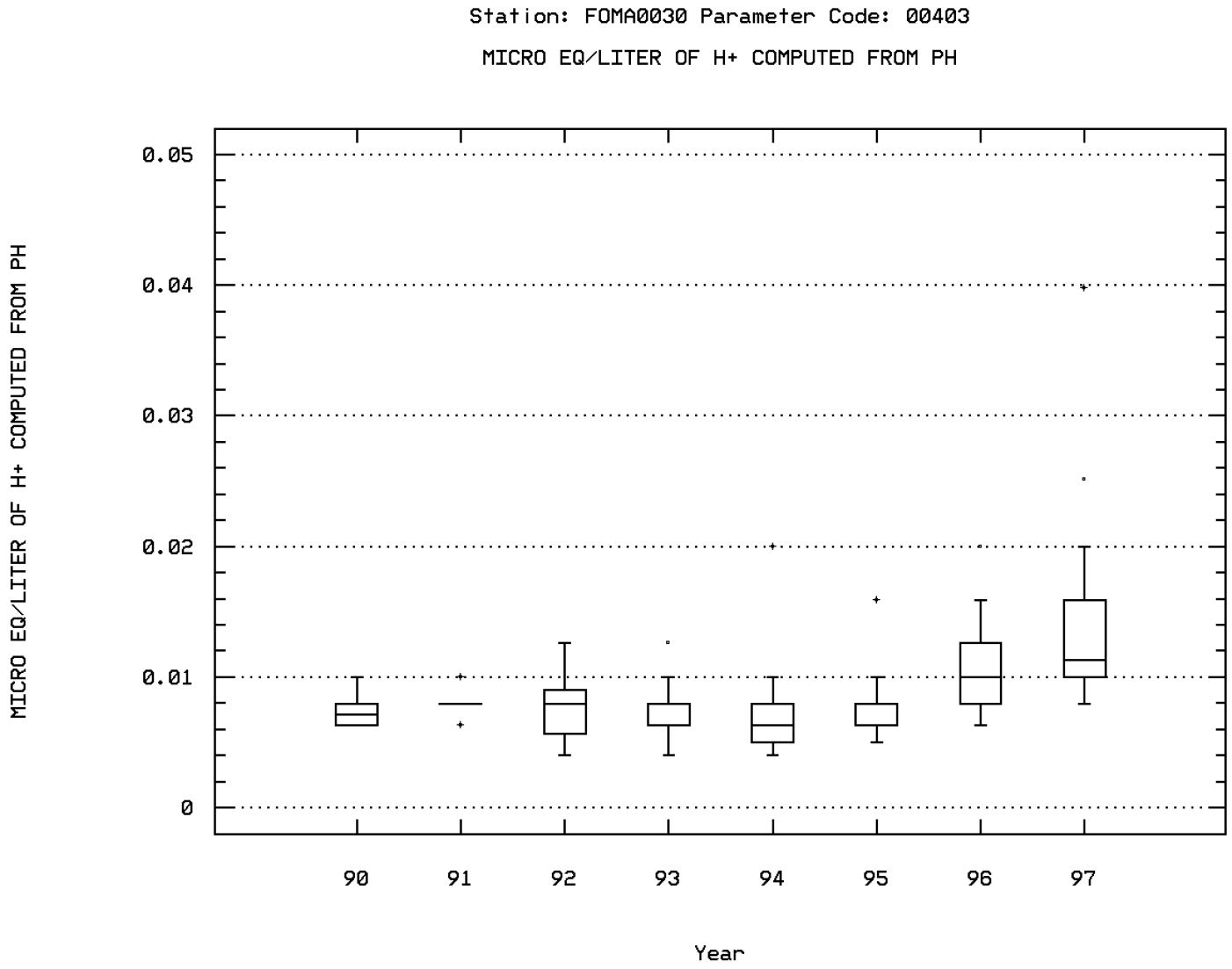
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0030 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



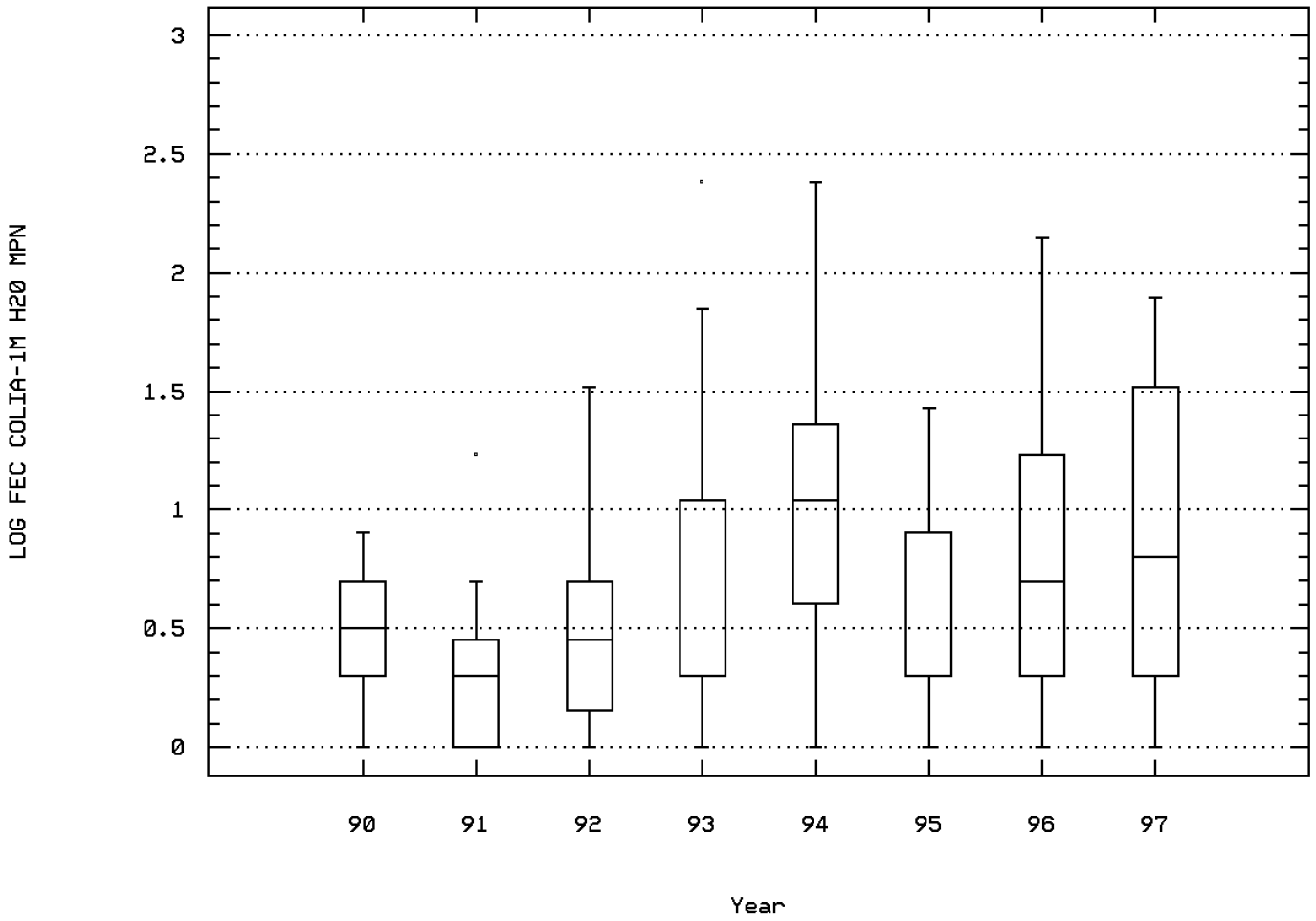
Mouth of creek east of CM 75



Mouth of creek east of CM 75

Station: FOMA0030 Parameter Code: 31621

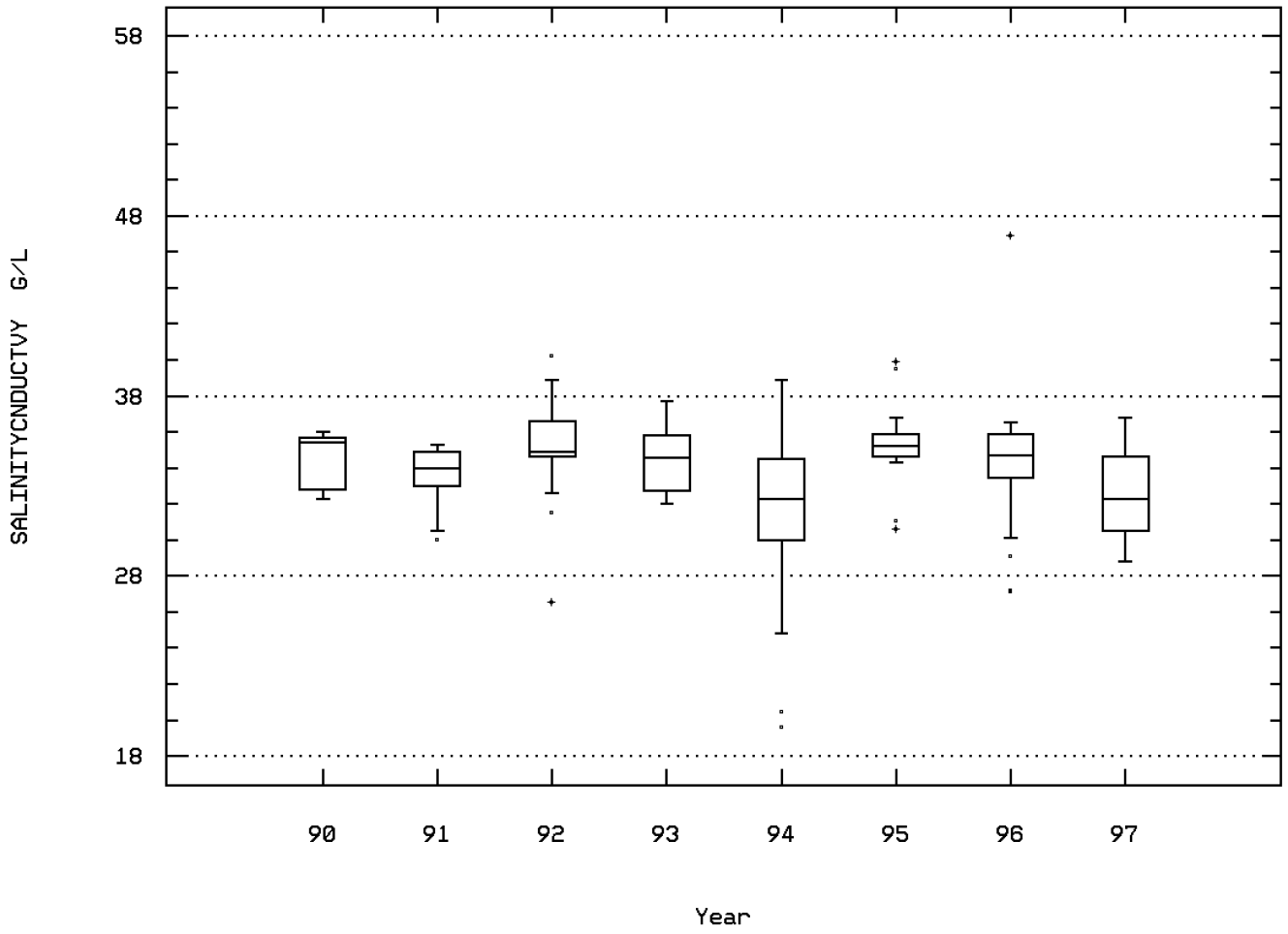
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Mouth of creek east of CM 75

Station: FOMA0030 Parameter Code: 70305

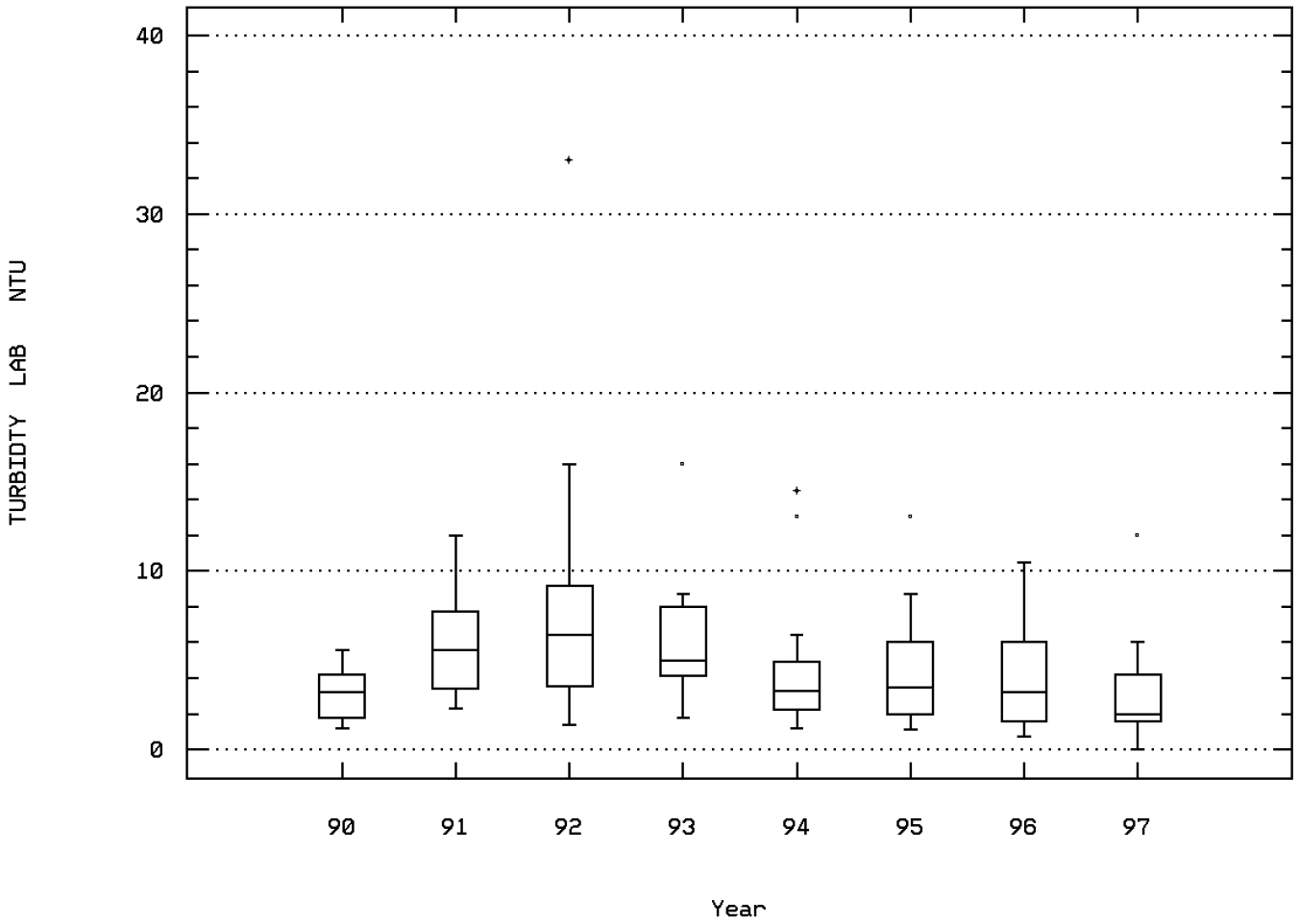
SALINITY BASED ON CONDUCTIVITY



Mouth of creek east of CM 75

Station: FOMA0030 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Mouth of creek east of CM 75

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	36	21.45	21.653	29.9	15.8	11.453	3.384	17.19	19.05	24.35	25.95
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	27	8.	10.556	25.	3.	38.564	6.21	3.8	5.	16.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	34	7.6	8.594	14.4	5.2	6.142	2.478	6.2	6.8	9.85	13.45
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	27	8.1	8.074	8.3	7.7	0.02	0.143	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	27	8.1	8.05	8.3	7.7	0.021	0.145	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	27	0.008	0.009	0.02	0.005	0.	0.003	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	27	5.	17.185	240.	1.	2076.08	45.564	2.	2.	11.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	27	0.699	0.775	2.38	0.	0.287	0.535	0.301	0.301	1.041	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.958								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	31	33.	33.31	38.9	26.5	8.243	2.871	29.28	31.1	35.5	37.46
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	41	3.	3.829	8.	0.	4.295	2.072	2.	2.	5.5	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	27	4.3	4.796	16.	0.9	10.217	3.196	1.34	2.1	6.4	8.16

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	127	17.	17.569	27.7	5.6	29.908	5.469	10.56	12.7	22.6	25.12
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	83	8.	9.554	30.	0.	34.518	5.875	5.	5.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	101	8.2	8.352	15.3	2.1	4.87	2.207	5.64	6.9	10.2	10.9
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	83	8.1	8.08	8.4	7.4	0.028	0.166	7.84	8.	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	83	8.1	8.042	8.4	7.4	0.029	0.17	7.84	8.	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	83	0.008	0.009	0.04	0.004	0.	0.005	0.006	0.006	0.01	0.015
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	83	4.	17.964	240.	1.	1403.499	37.463	1.	2.	17.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	83	0.602	0.718	2.38	0.	0.419	0.647	0.	0.301	1.23	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.225								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	121	33.9	33.226	46.9	19.6	13.261	3.642	29.04	31.65	35.3	36.48
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	133	4.	3.699	8.	0.	3.197	1.788	2.	2.	5.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	83	3.3	4.553	33.	0.	21.591	4.647	1.34	1.8	5.9	10.26

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	59	27.4	26.671	29.9	20.9	5.724	2.393	23.2	24.1	28.4	29.3
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	40	5.	6.55	25.	0.	24.408	4.94	0.	4.	10.	12.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	42	6.95	7.188	11.3	3.5	3.472	1.863	4.88	5.975	8.475	10.25
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	40	8.2	8.142	8.4	7.7	0.033	0.181	7.81	8.025	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	40	8.2	8.103	8.4	7.7	0.034	0.185	7.81	8.025	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	40	0.006	0.008	0.02	0.004	0.	0.004	0.004	0.005	0.009	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	40	3.5	8.6	79.	1.	194.349	13.941	1.	2.	10.25	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	40	0.5	0.608	1.898	0.	0.259	0.509	0.	0.301	1.007	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.053								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	57	34.9	35.196	40.2	30.	4.84	2.2	32.28	34.	36.	38.58
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	63	3.	4.048	8.	0.	4.369	2.09	2.	3.	6.	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	40	4.55	5.41	16.	1.4	10.5	3.24	1.93	2.9	7.675	8.7

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

Station Inventory for Station: FOMA0031

NPS Station ID: FOMA0031
LAT/LON: 29.742671/ -81.245004
Agency: 21FLA
Date Created: 08/16/97
Location: CM 72
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88130SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-06/30/97	90	23.	21.103	29.4	5.3	42.454	6.516	11.11	16.875	26.55	28.09
00035	WIND VELOCITY (MILES PER HOUR)	05/09/95-06/30/97	57	7.	9.018	30.	0.	46.625	6.828	2.8	5.	12.	20.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-06/30/97	58	6.3	6.678	10.8	4.4	1.981	1.408	5.17	5.675	7.525	8.63
00403	PH, LAB, STANDARD UNITS SU	05/09/95-06/30/97	57	8.	7.993	8.2	7.4	0.031	0.177	7.7	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	05/09/95-06/30/97	57	8.	7.952	8.2	7.4	0.033	0.182	7.7	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-06/30/97	57	0.01	0.011	0.04	0.006	0.	0.006	0.006	0.008	0.013	0.02
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	05/09/95-06/30/97	57	4.	13.789	170.	1.	659.205	25.675	1.	2.	17.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	05/09/95-06/30/97	57	0.602	0.706	2.23	0.	0.372	0.61	0.	0.301	1.23	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.087								
70305	SALINITY BASED ON CONDUCTIVITY	05/09/95-06/30/97	88	34.2	33.76	46.9	24.6	11.082	3.329	29.9	31.9	35.3	36.4
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	05/09/95-06/30/97	102	12.	11.402	24.	0.	26.817	5.179	4.	8.	15.	18.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-06/30/97	57	2.4	3.549	17.1	0.	10.811	3.288	1.	1.4	4.2	6.96

** - 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

EPA Water Quality Criteria Analysis for Station: FOMA0031

				Total	Exceed	Prop.	----------9/15-11/14----------			----------11/15-6/14----------			----------6/15-9/14----------			----------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.	58	0	0.00	8	0	0.00	30	0	0.00	20	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	57	0	0.00	9	0	0.00	30	0	0.00	18	0	0.00			
		Other-Lo Lim.	6.5	57	0	0.00	9	0	0.00	30	0	0.00	18	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	57	0	0.00	9	0	0.00	30	0	0.00	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

Station Inventory for Station: FOMA0032

NPS Station ID: FOMA0032
LAT/LON: 29.744337/ -81.239503
Agency: 21FLA
Date Created: 08/16/97
Location: Culvert south of boat ramp east of CM 72
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88030SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	169	22.2	21.04	30.3	6.1	36.534	6.044	11.9	16.5	26.45	28.3
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	150	8.	8.873	30.	0.	34.313	5.858	4.	5.	12.	16.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	132	7.6	8.1	15.6	2.1	4.725	2.174	5.73	6.5	9.575	10.8
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	150	8.1	8.067	8.4	7.2	0.033	0.183	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	150	8.1	8.02	8.4	7.2	0.036	0.189	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	150	0.008	0.01	0.063	0.004	0.	0.006	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	150	7.	38.413	1700.	1.	38355.143	195.845	1.	2.	17.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	150	0.845	0.84	3.23	0.	0.415	0.645	0.	0.301	1.23	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.912								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	159	34.	33.299	46.9	9.	16.069	4.009	29.2	31.9	35.3	36.7
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	184	2.	2.734	13.	0.	5.606	2.368	1.	1.	3.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	150	4.15	4.754	24.	0.	12.057	3.472	1.6	2.2	6.225	8.59

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

EPA Water Quality Criteria Analysis for Station: FOMA0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	132	1	0.01	29	0	0.00	72	1	0.01	31	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
		Other-Lo Lim.	6.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	0	0.00	27	0	0.00	83	0	0.00	40	0	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 1990 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	6	21.6	22.6	30.3	16.8	29.032	5.388	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	4.5	4.167	8.	0.	6.967	2.639	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	6	6.85	7.267	9.2	5.6	2.271	1.507	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.05	8.05	8.2	7.9	0.011	0.105	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.047	8.039	8.2	7.9	0.011	0.106	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.009	0.009	0.013	0.006	0.	0.002	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	2.	3.833	8.	1.	10.567	3.251	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.301	0.452	0.903	0.	0.136	0.369	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.828								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	6	33.85	33.967	36.	32.1	3.055	1.748	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	6	2.	2.	2.	2.	0.	0.	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	2.4	2.7	4.6	1.4	1.484	1.218	**	**	**	**

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

Annual Analysis for 1991 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	17	27.	25.465	30.	17.1	13.625	3.691	20.3	21.7	28.35	29.12
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	12	7.5	6.917	12.	0.	10.265	3.204	1.2	5.	9.5	11.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	9	6.9	6.789	8.3	5.4	0.891	0.944	5.4	5.95	7.45	8.3
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	12	8.1	8.108	8.3	8.	0.008	0.09	8.	8.025	8.175	8.27
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	12	8.1	8.1	8.3	8.	0.008	0.09	8.	8.025	8.175	8.27
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	12	0.008	0.008	0.01	0.005	0.	0.002	0.005	0.007	0.009	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	12	2.	7.917	49.	1.	189.902	13.78	1.	1.	7.75	39.4
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	12	0.301	0.497	1.69	0.	0.327	0.572	0.	0.	0.889	1.552
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.144								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	17	34.	33.288	35.2	29.2	3.416	1.848	29.2	32.3	34.4	35.2
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	17	3.	3.941	10.	1.	8.434	2.904	1.	2.	5.5	10.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	12	4.3	4.467	6.3	2.6	1.273	1.128	2.78	3.675	5.5	6.21

** - 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 1992 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	28	20.4	20.425	29.7	12.3	23.671	4.865	13.29	16.5	24.7	27.58
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	24	7.5	8.5	18.	0.	19.478	4.413	4.5	5.	10.	16.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	28	7.75	8.525	15.6	5.	4.508	2.123	6.25	7.075	10.1	10.63
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	24	8.1	8.117	8.4	7.9	0.021	0.146	7.95	8.	8.275	8.35
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	24	8.1	8.095	8.4	7.9	0.022	0.148	7.95	8.	8.275	8.35
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	24	0.008	0.008	0.013	0.004	0.	0.002	0.004	0.005	0.01	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	24	3.5	8.75	79.	1.	248.543	15.765	1.5	2.	8.	17.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	24	0.5	0.644	1.898	0.	0.218	0.467	0.151	0.301	0.903	1.23
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.404								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	24	35.05	34.721	39.8	24.4	9.256	3.042	31.75	33.1	36.3	38.75
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	29	2.	3.414	12.	1.	9.18	3.03	1.	1.5	4.	8.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	24	6.5	7.45	24.	1.3	27.86	5.278	2.15	3.825	8.425	16.5

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

Annual Analysis for 1993 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	25	21.	20.652	29.3	9.8	43.588	6.602	10.62	14.8	27.2	28.74
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	10.	9.941	20.	0.	28.934	5.379	3.2	6.	14.5	18.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	24	9.35	9.033	11.7	5.3	3.03	1.741	6.15	7.725	10.175	11.2
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.1	8.124	8.4	7.9	0.018	0.135	7.98	8.	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.1	8.105	8.4	7.9	0.019	0.136	7.98	8.	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.008	0.008	0.013	0.004	0.	0.002	0.004	0.006	0.01	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	7.	11.882	49.	1.	239.86	15.487	1.	1.5	12.5	46.6
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.845	0.752	1.69	0.	0.316	0.562	0.	0.151	1.067	1.668
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.649								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	21	34.3	34.171	37.8	31.2	4.855	2.203	31.74	32.05	36.1	37.62
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	25	3.	4.32	13.	1.	11.81	3.437	1.6	2.	4.5	11.2
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	5.5	6.588	17.	1.9	13.997	3.741	2.22	3.95	8.1	13.

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

Annual Analysis for 1994 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	33	21.9	19.961	28.	10.2	34.614	5.883	10.98	15.05	24.95	27.42
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	10.	9.966	20.	0.	26.463	5.144	4.	5.5	14.5	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	28	8.7	8.957	14.2	4.2	7.636	2.763	4.79	6.6	11.025	13.7
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.2	8.138	8.4	7.7	0.028	0.168	7.9	8.	8.3	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.2	8.104	8.4	7.7	0.029	0.171	7.9	8.	8.3	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.006	0.008	0.02	0.004	0.	0.003	0.005	0.005	0.01	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	11.	136.552	1700.	1.	188043.97	433.64	1.	5.	33.	79.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	1.041	1.173	3.23	0.	0.619	0.787	0.	0.699	1.519	1.898
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			14.904								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	32	31.8	30.675	38.8	9.	40.756	6.384	20.87	28.775	34.725	38.46
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	35	2.	2.	5.	0.	1.412	1.188	1.	1.	3.	3.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	3.6	4.069	10.	0.4	4.699	2.168	2.	2.2	5.7	6.8

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

Annual Analysis for 1995 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	15	23.1	19.847	27.	9.2	39.19	6.26	10.16	13.1	24.8	25.74
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	20	7.5	9.1	28.	0.	61.779	7.86	0.	4.25	10.	24.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	4	7.7	6.775	9.6	2.1	10.543	3.247	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	20	8.15	8.115	8.2	7.8	0.012	0.109	8.	8.025	8.2	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	20	8.147	8.101	8.2	7.8	0.012	0.11	8.	8.025	8.2	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	20	0.007	0.008	0.016	0.006	0.	0.002	0.006	0.006	0.009	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	20	13.	22.45	110.	1.	858.471	29.3	1.	1.25	31.5	76.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	20	1.114	0.931	2.041	0.	0.486	0.697	0.	0.075	1.497	1.877
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.523								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	15	35.2	35.113	38.2	30.8	2.998	1.732	32.54	34.4	36.	37.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	23	2.	1.826	4.	0.	1.514	1.23	0.	1.	3.	3.6
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	20	3.65	4.265	11.	1.2	8.093	2.845	1.24	1.825	6.375	9.49

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

Annual Analysis for 1996 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	29	23.1	21.172	29.9	6.1	58.585	7.654	9.3	14.55	27.7	28.6
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	28	5.5	9.143	30.	0.	53.683	7.327	2.9	5.	12.	25.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	18	6.15	6.306	7.5	5.5	0.412	0.642	5.5	5.775	6.925	7.32
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	28	8.	7.954	8.2	7.2	0.049	0.22	7.7	7.825	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	28	8.	7.884	8.2	7.2	0.054	0.231	7.7	7.825	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	28	0.01	0.013	0.063	0.006	0.	0.011	0.006	0.008	0.015	0.02
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	28	8.	16.214	140.	1.	726.101	26.946	1.	2.5	17.	34.6
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	28	0.903	0.871	2.146	0.	0.31	0.557	0.	0.376	1.23	1.536
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.423								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	28	34.55	34.064	46.9	27.7	12.772	3.574	28.98	32.2	35.775	36.51
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	33	2.	2.121	8.	0.	3.047	1.746	0.4	1.	2.5	3.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	28	2.9	3.864	11.	0.7	8.287	2.879	1.17	1.85	4.85	9.71

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

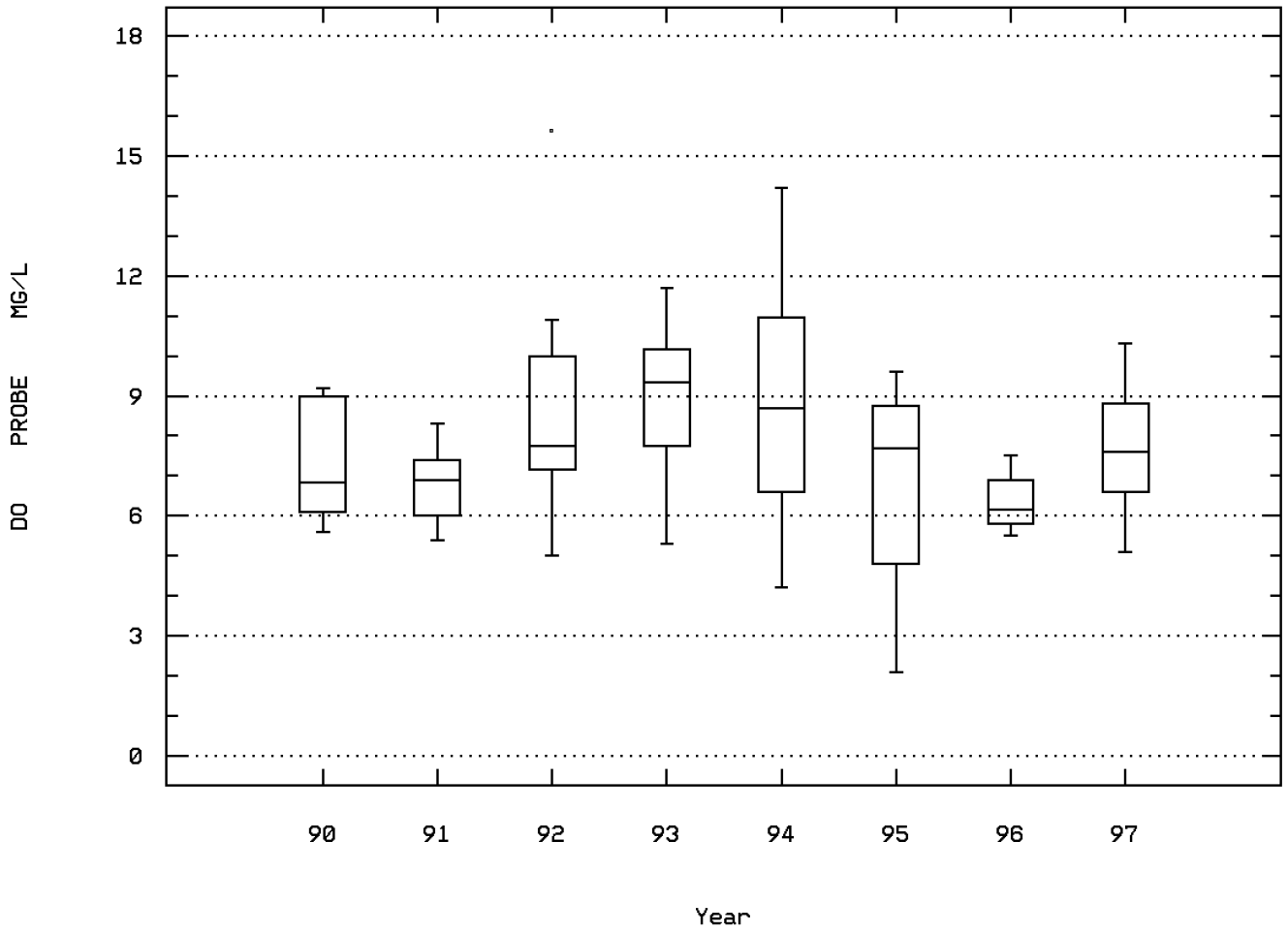
Annual Analysis for 1997 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	16	21.05	20.538	29.7	14.1	24.437	4.943	14.24	15.	24.175	27.67
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	6.	8.786	20.	0.	34.643	5.886	2.	4.75	15.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	15	7.6	7.84	10.3	5.1	2.295	1.515	5.82	6.6	8.8	10.24
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	7.9	7.893	8.1	7.4	0.047	0.216	7.5	7.775	8.1	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	7.9	7.836	8.1	7.4	0.05	0.224	7.5	7.775	8.1	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.013	0.015	0.04	0.008	0.	0.009	0.008	0.008	0.017	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	8.	26.357	240.	1.	3878.555	62.278	1.	2.	23.	136.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	0.903	0.858	2.38	0.	0.446	0.668	0.	0.301	1.362	1.949
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.216								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	16	31.95	31.994	36.4	23.8	8.546	2.923	28.	30.425	34.45	35.21
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	16	2.	2.188	4.	1.	0.829	0.911	1.	2.	2.75	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	2.1	2.929	7.4	0.	4.318	2.078	0.5	1.5	4.85	6.4

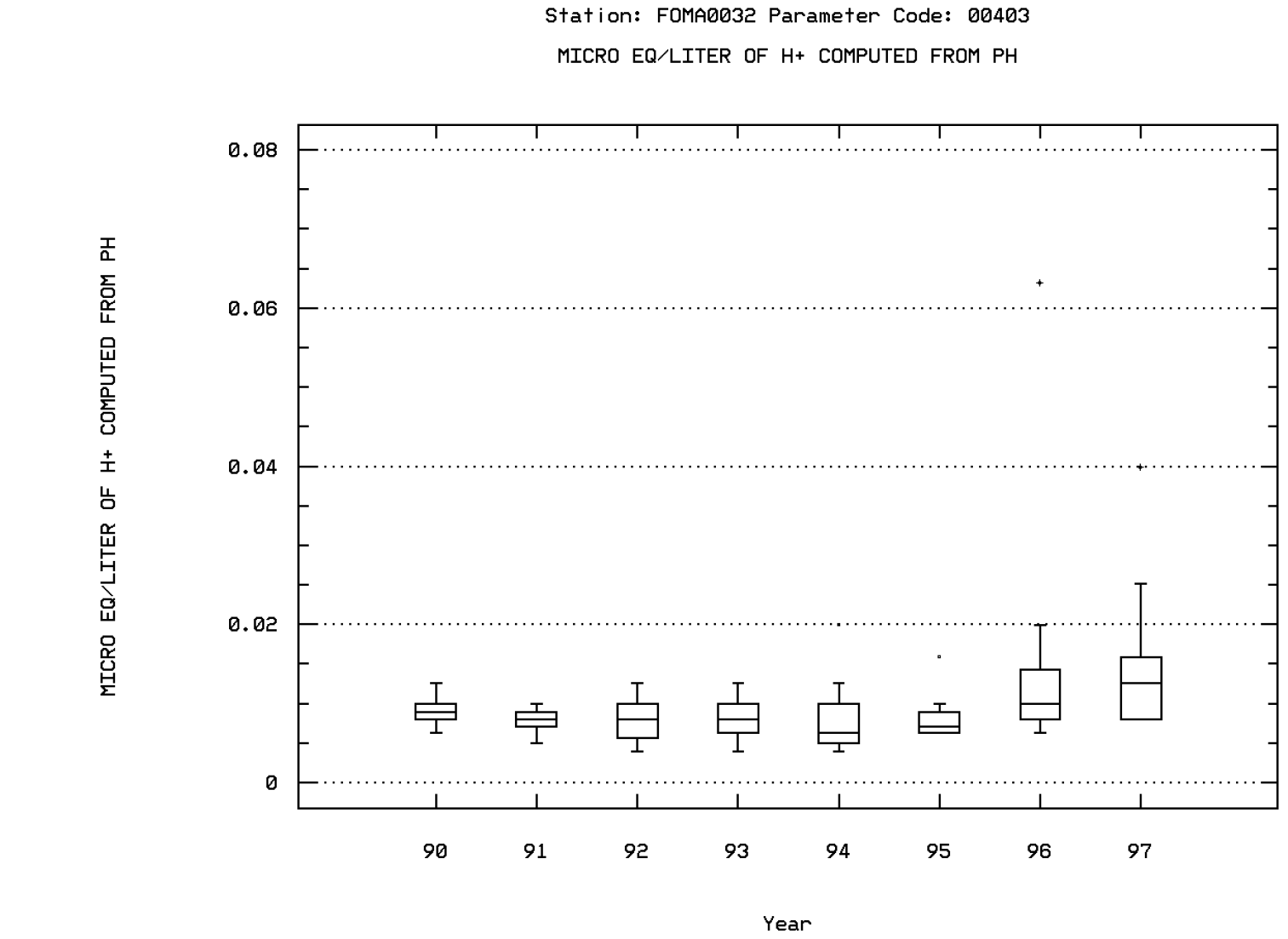
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0032 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



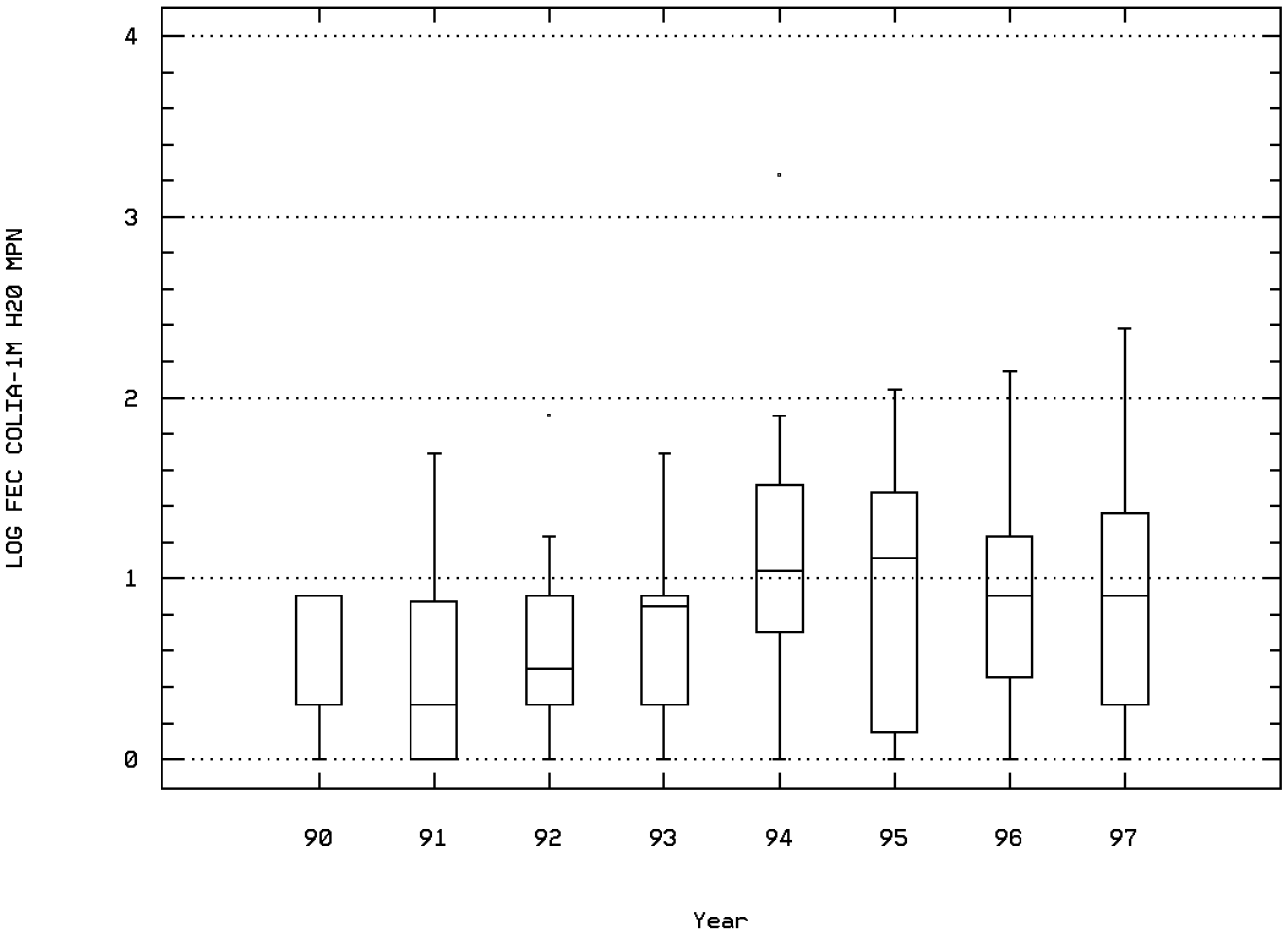
Culvert south of boat ramp east of CM 7



Culvert south of boat ramp east of CM 7

Station: FOMA0032 Parameter Code: 31621

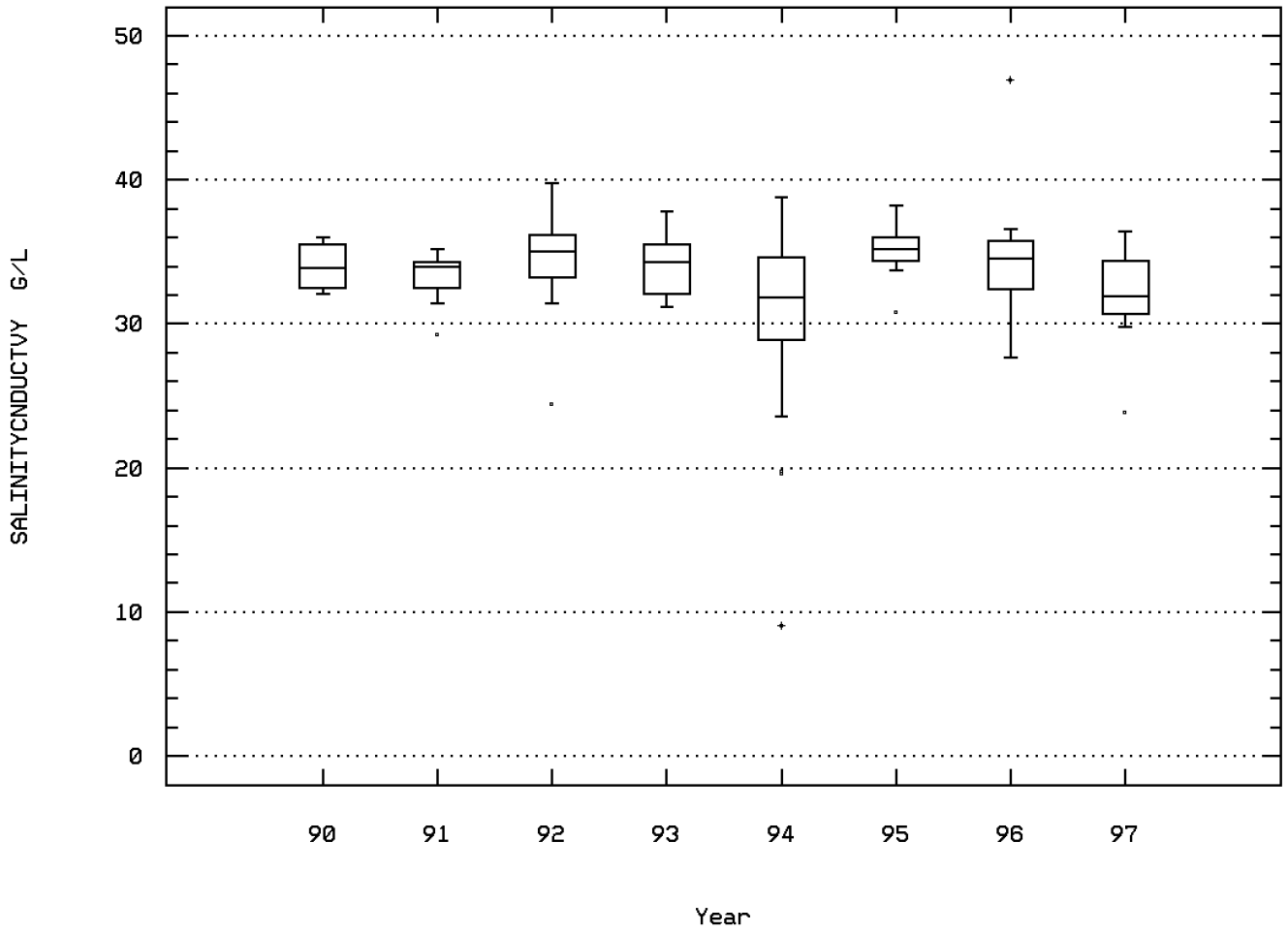
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Culvert south of boat ramp east of CM 7

Station: FOMA0032 Parameter Code: 70305

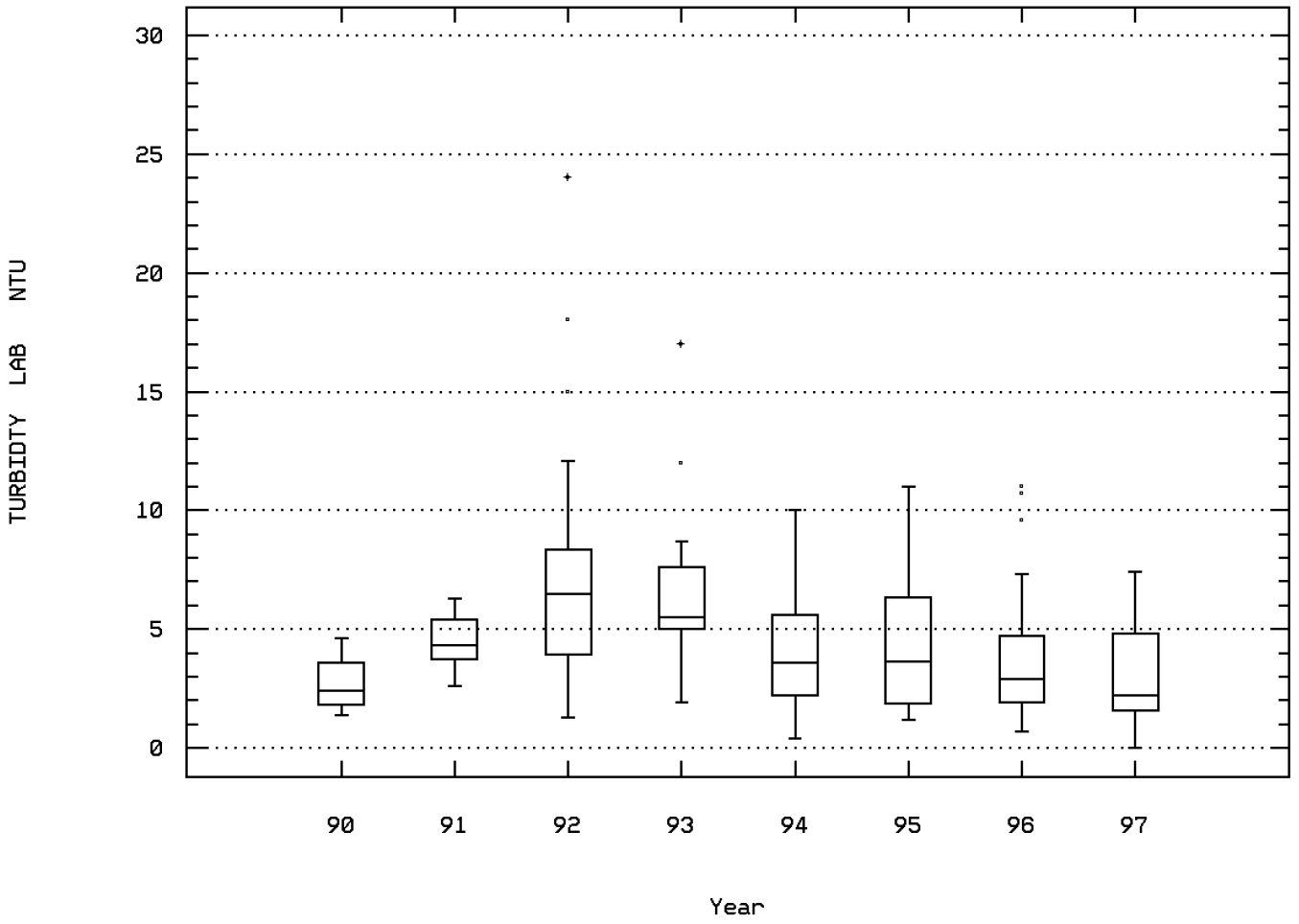
SALINITY BASED ON CONDUCTIVITY



Culvert south of boat ramp east of CM 7

Station: FOMA0032 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Culvert south of boat ramp east of CM 7

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	31	21.5	21.816	29.2	15.9	12.907	3.593	16.76	19.	24.3	27.52
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	27	8.	10.259	25.	3.	36.353	6.029	3.8	5.	15.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	29	7.3	8.131	14.2	5.	4.993	2.234	5.8	6.55	9.4	11.7
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	27	8.	8.044	8.3	7.7	0.019	0.137	7.9	8.	8.1	8.22
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	27	8.	8.023	8.3	7.7	0.019	0.138	7.9	8.	8.1	8.22
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	27	0.01	0.009	0.02	0.005	0.	0.003	0.006	0.008	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	27	11.	79.667	1700.	1.	105216.077	324.37	1.8	5.	23.	55.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	27	1.041	1.082	3.23	0.	0.422	0.65	0.241	0.699	1.362	1.732
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			12.082								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	26	32.8	33.235	38.9	24.4	11.914	3.452	29.07	31.125	36.	38.11
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	36	2.5	2.889	10.	0.	4.502	2.122	0.7	2.	3.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	27	4.6	4.963	18.	1.2	11.579	3.403	1.4	2.8	6.3	8.52

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	92	17.05	17.723	28.4	6.1	30.807	5.55	10.7	13.025	22.475	25.17
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	83	8.	9.542	30.	0.	35.495	5.958	4.4	5.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	72	8.5	8.481	15.6	2.1	5.275	2.297	5.73	6.825	10.175	10.8
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	83	8.1	8.053	8.4	7.2	0.036	0.19	7.84	8.	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	83	8.1	7.998	8.4	7.2	0.039	0.198	7.84	8.	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	83	0.008	0.01	0.063	0.004	0.	0.008	0.006	0.006	0.01	0.015
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	83	8.	37.47	1700.	1.	35194.764	187.603	1.	2.	22.	40.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	83	0.903	0.86	3.23	0.	0.411	0.641	0.	0.301	1.342	1.605
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.237								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	89	33.7	32.6	46.9	9.	20.537	4.532	27.9	31.55	35.	36.3
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	98	2.	2.633	13.	0.	6.4	2.53	1.	1.	3.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	83	3.2	4.207	24.	0.	11.328	3.366	1.34	2.1	5.5	7.52

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	46	27.7	27.15	30.3	21.6	4.419	2.102	24.04	25.05	28.5	29.7
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	40	5.	6.55	25.	0.	24.408	4.94	0.	4.	10.	12.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	31	6.9	7.187	10.9	5.1	2.28	1.51	5.5	5.9	8.	9.48
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	40	8.1	8.11	8.4	7.7	0.036	0.191	7.8	8.	8.275	8.39
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	40	8.1	8.067	8.4	7.7	0.038	0.195	7.8	8.	8.275	8.39
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	40	0.008	0.009	0.02	0.004	0.	0.004	0.004	0.005	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	40	3.	12.525	110.	1.	525.538	22.925	1.	1.25	8.	47.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	40	0.452	0.635	2.041	0.	0.357	0.598	0.	0.075	0.903	1.673
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.311								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	44	35.1	34.752	39.8	27.1	6.914	2.629	31.	33.6	35.875	38.45
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	50	2.	2.82	10.	0.	5.008	2.238	1.	1.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	40	4.95	5.748	17.	0.9	12.85	3.585	1.82	3.225	7.4	10.9

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

Station Inventory for Station: FOMA0033

NPS Station ID: FOMA0033
LAT/LON: 29.750559/ -81.249726
Agency: 21FLVOL
Date Created: 04/05/97
Location: I.C.W. ST. AUGUSTINE
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): ICW210
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/95-11/17/96	31	25.	24.	28.5	15.5	13.283	3.645	17.6	22.5	27.	27.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/12/95-11/17/96	31	26.	25.21	33.	15.	18.413	4.291	17.8	22.	28.	29.
00032	CLOUD COVER (PERCENT)	05/12/95-11/17/96	18	5.	21.667	100.	0.	920.588	30.341	0.	0.	35.	82.
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/02/96-11/17/96	11	0.6	0.591	0.8	0.4	0.015	0.122	0.42	0.5	0.7	0.78
00300	OXYGEN, DISSOLVED MG/L	05/12/95-11/17/96	31	5.2	5.023	7.4	2.8	1.34	1.158	3.44	4.	5.8	6.56
00406	PH, FIELD, STANDARD UNITS SU	05/12/95-11/17/96	32	7.6	7.641	8.2	7.2	0.085	0.292	7.2	7.425	7.95	8.
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/12/95-11/17/96	32	7.6	7.548	8.2	7.2	0.094	0.306	7.2	7.425	7.95	8.
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/95-11/17/96	32	0.025	0.028	0.063	0.006	0.	0.019	0.01	0.011	0.038	0.063
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	01/18/96-11/17/96	26	144.	153.769	300.	124.	1135.785	33.701	131.4	136.	164.	181.2
00480	SALINITY - PARTS PER THOUSAND	05/12/95-11/17/96	31	35.6	32.787	39.2	17.6	31.616	5.623	25.28	28.4	36.8	38.2
00956	SILICA, TOTAL (MG/L AS SI02)	01/18/96-11/17/96	26	4.	4.981	10.	1.5	5.73	2.394	2.	3.	7.25	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: FOMA0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	31	9	0.29	8	1	0.13	10	2	0.20	13	6	0.46			
00406	PH, FIELD	Marine Chronic	8.5	32	0	0.00	9	0	0.00	10	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	32	0	0.00	9	0	0.00	10	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: FOMA0034

NPS Station ID: FOMA0034
LAT/LON: 29.751670/ -81.233837
Agency: 21FLA
Date Created: 08/16/97
Location: CM 70
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88191SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	176	22.35	20.209	29.4	5.1	41.74	6.461	10.87	14.725	25.625	27.96
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	105	8.	9.286	30.	0.	40.187	6.339	3.6	5.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	132	7.55	7.857	13.9	2.1	5.229	2.287	4.9	6.325	9.5	11.1
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	105	8.1	8.032	8.4	7.4	0.034	0.185	7.8	7.9	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	105	8.1	7.989	8.4	7.4	0.036	0.19	7.8	7.9	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	105	0.008	0.01	0.04	0.004	0.	0.005	0.006	0.006	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	105	5.	14.2	130.	1.	519.796	22.799	1.	2.	13.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	105	0.699	0.778	2.114	0.	0.317	0.563	0.	0.301	1.114	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.004								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	168	33.55	32.838	46.9	15.5	16.288	4.036	28.29	30.725	35.175	36.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	190	9.	9.732	32.	0.	35.732	5.978	3.	6.	12.	17.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	105	3.8	4.354	15.	0.	8.97	2.995	1.4	2.15	5.4	8.58

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

EPA Water Quality Criteria Analysis for Station: FOMA0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	132	3	0.02	23	0	0.00	73	3	0.04	36	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	105	0	0.00	18	0	0.00	58	0	0.00	29	0	0.00			
		Other-Lo Lim.	6.5	105	0	0.00	18	0	0.00	58	0	0.00	29	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	105	0	0.00	18	0	0.00	58	0	0.00	29	0	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 1993 - Station FOMA0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	23	22.5	21.5	29.1	11.3	34.988	5.915	12.54	16.1	26.7	29.
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	10.	9.786	18.	0.	25.258	5.026	2.	7.	14.25	17.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	21	9.1	9.048	11.1	6.1	2.623	1.619	6.7	7.65	10.65	11.04
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	8.1	8.107	8.3	7.9	0.015	0.121	7.95	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	8.1	8.092	8.3	7.9	0.015	0.122	7.95	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.008	0.008	0.013	0.005	0.	0.002	0.005	0.006	0.01	0.011
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	5.	7.786	33.	1.	120.489	10.977	1.	1.	8.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.699	0.567	1.519	0.	0.291	0.54	0.	0.	0.903	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.691								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	18	34.4	34.244	38.8	30.7	6.173	2.485	31.15	31.925	36.325	37.81
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	23	5.	5.261	10.	1.	7.838	2.8	2.	3.	7.	10.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	7.35	7.079	15.	2.1	12.06	3.473	2.3	4.575	8.775	13.

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

Annual Analysis for 1994 - Station FOMA0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	54	20.15	19.587	27.8	9.9	35.531	5.961	10.7	15.225	24.8	27.45
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	29	8.	9.828	20.	0.	27.005	5.197	4.	5.5	14.5	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	48	8.9	8.869	13.9	4.	5.974	2.444	4.9	7.15	10.95	11.83
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	29	8.1	8.103	8.4	7.5	0.035	0.186	7.9	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	29	8.1	8.059	8.4	7.5	0.037	0.192	7.9	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	29	0.008	0.009	0.032	0.004	0.	0.005	0.005	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	29	11.	21.414	130.	1.	906.751	30.112	1.	3.	33.	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	29	1.041	0.95	2.114	0.	0.373	0.611	0.	0.452	1.519	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.907								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	53	31.5	31.064	38.7	15.5	24.417	4.941	23.98	29.15	34.15	37.92
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	56	10.5	11.393	32.	0.	39.806	6.309	5.	8.	13.5	20.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	29	3.8	4.121	11.	0.6	3.915	1.979	2.3	3.05	4.95	6.7

** - 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 1995 - Station FOMA0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	24	22.95	19.383	26.7	8.3	39.788	6.308	9.65	12.8	24.55	25.65
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	20	7.5	9.1	28.	0.	61.779	7.86	0.	4.25	10.	24.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	8	7.55	6.738	9.9	2.1	8.934	2.989	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	20	8.1	8.085	8.3	7.7	0.016	0.127	8.	8.	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	20	8.1	8.065	8.3	7.7	0.016	0.128	8.	8.	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	20	0.008	0.009	0.02	0.005	0.	0.003	0.006	0.006	0.01	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	20	5.	5.95	23.	1.	33.103	5.753	1.	2.	7.75	13.9
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	20	0.699	0.589	1.362	0.	0.179	0.423	0.	0.301	0.889	1.143
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.884								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	24	34.65	34.671	38.4	30.6	2.926	1.71	32.25	33.9	35.625	37.05
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	32	10.	10.438	27.	0.	66.899	8.179	0.	3.	17.	22.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	20	3.9	4.485	12.	1.	8.848	2.975	1.8	2.125	5.85	9.57

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	47	22.8	20.296	29.3	5.1	65.54	8.096	8.48	11.9	28.1	28.54
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	28	5.5	8.857	30.	0.	53.683	7.327	2.9	5.	11.5	25.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	29	5.7	5.928	7.6	4.4	0.898	0.948	4.7	5.05	6.7	7.3
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	28	7.95	7.954	8.2	7.6	0.028	0.167	7.7	7.8	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	28	7.947	7.922	8.2	7.6	0.029	0.17	7.7	7.8	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	28	0.011	0.012	0.025	0.006	0.	0.005	0.006	0.008	0.016	0.02
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	28	7.	14.107	110.	1.	496.84	22.29	1.	2.5	11.	34.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	28	0.845	0.819	2.041	0.	0.289	0.537	0.	0.376	1.041	1.536
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.596								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	45	34.5	34.004	46.9	26.1	15.006	3.874	29.16	32.25	35.65	36.28
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	51	8.	9.333	20.	0.	22.587	4.753	4.	7.	12.	16.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	28	3.	3.775	12.	0.6	8.615	2.935	1.35	1.65	4.725	8.29

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	28	22.35	20.911	29.4	14.1	23.41	4.838	14.29	15.4	24.225	27.12
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	6.	8.786	20.	0.	34.643	5.886	2.	4.75	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	26	7.1	7.523	10.7	4.2	2.572	1.604	5.67	6.5	8.6	10.02
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	7.95	7.893	8.2	7.4	0.047	0.216	7.5	7.775	8.025	8.15
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	7.947	7.837	8.2	7.4	0.05	0.224	7.5	7.775	8.025	8.15
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.011	0.015	0.04	0.006	0.	0.009	0.007	0.009	0.017	0.032
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	6.5	17.643	79.	1.	726.709	26.958	1.	1.75	23.	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.801	0.824	1.898	0.	0.407	0.638	0.	0.226	1.362	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.66								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	28	32.3	31.846	36.8	24.7	9.115	3.019	27.83	29.825	33.975	35.18
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	28	9.5	10.	17.	4.	20.296	4.505	5.8	6.	14.	16.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	1.9	3.086	12.	0.	9.849	3.138	0.45	1.	4.275	9.3

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

Station Inventory for Station: FOMA0035

NPS Station ID: FOMA0035
LAT/LON: 29.753504/ -81.251504
Agency: 21FLA
Date Created: 08/16/97
Location: West of CM 64 lease 55-AQ-015
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88183SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	125	22.1	20.042	31.2	5.	39.356	6.273	11.28	15.1	24.9	27.88
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	98	8.	9.173	30.	0.	38.392	6.196	2.9	5.	12.5	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	92	7.95	8.09	14.5	3.6	4.676	2.163	5.4	6.425	9.475	11.04
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	98	8.	8.015	8.4	7.3	0.033	0.182	7.8	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	98	8.	7.971	8.4	7.3	0.035	0.187	7.8	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	98	0.01	0.011	0.05	0.004	0.	0.006	0.006	0.008	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	98	6.	25.551	920.	1.	9477.961	97.355	1.	2.	13.25	34.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	98	0.772	0.788	2.964	0.	0.396	0.629	0.	0.301	1.122	1.536
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.143								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	119	33.2	32.739	46.9	16.5	15.568	3.946	28.8	30.5	34.9	36.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	138	3.	3.051	7.	0.	2.837	1.684	1.	2.	4.	5.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	98	4.1	4.999	18.	0.	14.77	3.843	1.58	2.2	6.4	11.91

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

EPA Water Quality Criteria Analysis for Station: FOMA0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	92	1	0.01	20	0	0.00	54	1	0.02	18	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	98	0	0.00	17	0	0.00	56	0	0.00	25	0	0.00			
		Other-Lo Lim.	6.5	98	0	0.00	17	0	0.00	56	0	0.00	25	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	98	0	0.00	17	0	0.00	56	0	0.00	25	0	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 1993 - Station FOMA0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	19	22.6	21.321	29.6	11.8	31.024	5.57	15.1	15.4	26.1	29.
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	10.	9.786	18.	0.	25.258	5.026	2.	7.	14.25	17.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	17	9.8	9.094	11.2	5.5	3.387	1.84	6.14	7.3	10.75	11.12
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	8.1	8.093	8.2	7.8	0.013	0.114	7.9	8.	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	8.1	8.078	8.2	7.8	0.013	0.115	7.9	8.	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.008	0.008	0.016	0.006	0.	0.003	0.006	0.006	0.01	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	3.5	7.286	33.	1.	81.143	9.008	1.	1.	11.5	25.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.5	0.579	1.519	0.	0.27	0.52	0.	0.	1.06	1.374
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.795								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	16	32.95	33.613	37.9	31.1	4.513	2.124	31.17	31.95	35.15	37.48
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	19	3.	2.842	5.	1.	1.474	1.214	1.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	6.25	8.236	16.	1.8	29.722	5.452	1.85	3.925	15.05	16.

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

Annual Analysis for 1994 - Station FOMA0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	37	21.8	19.714	27.8	10.1	34.316	5.858	10.48	15.45	24.85	26.94
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	28	10.	10.	20.	0.	27.333	5.228	4.9	5.25	14.75	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	33	8.3	8.776	14.5	3.6	6.867	2.62	5.	6.75	10.5	12.04
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	28	8.1	8.079	8.4	7.5	0.032	0.179	7.9	7.925	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	28	8.1	8.037	8.4	7.5	0.034	0.184	7.9	7.925	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	28	0.008	0.009	0.032	0.004	0.	0.005	0.005	0.006	0.012	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	28	7.	23.036	240.	1.	2286.776	47.82	1.	2.	16.25	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	28	0.845	0.861	2.38	0.	0.404	0.636	0.	0.301	1.209	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.259								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	36	31.05	31.147	38.5	16.5	21.061	4.589	24.74	29.025	34.525	37.04
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	39	3.	2.718	6.	0.	1.892	1.376	1.	2.	3.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	28	4.25	4.611	12.	1.7	5.002	2.237	2.17	2.775	6.075	6.85

** - 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 1995 - Station FOMA0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	17	22.7	19.976	26.7	8.5	33.297	5.77	11.7	14.55	24.5	26.62
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	19	7.	8.105	25.	0.	44.322	6.657	0.	4.	10.	22.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	4	8.35	8.075	8.7	6.9	0.656	0.81	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	19	8.1	8.053	8.2	7.6	0.018	0.135	8.	8.	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	19	8.1	8.028	8.2	7.6	0.019	0.137	8.	8.	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	19	0.008	0.009	0.025	0.006	0.	0.004	0.006	0.008	0.01	0.01
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	19	5.	14.368	130.	1.	865.579	29.421	1.	1.	13.	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	19	0.699	0.696	2.114	0.	0.384	0.62	0.	0.	1.114	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.962								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	17	34.4	34.218	38.8	30.	5.535	2.353	30.4	32.7	35.2	38.24
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	25	3.	2.96	7.	0.	3.707	1.925	0.	1.5	5.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	19	4.3	5.595	18.	1.6	18.068	4.251	1.6	2.6	7.3	12.

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

Annual Analysis for 1996 - Station FOMA0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	30	21.35	19.457	28.6	5.	66.823	8.175	5.57	11.75	27.55	28.3
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	23	5.	8.957	30.	0.	61.407	7.836	0.8	5.	12.	24.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	17	6.1	6.076	7.7	4.4	0.923	0.961	4.72	5.4	6.75	7.7
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	23	8.	7.952	8.2	7.6	0.025	0.159	7.74	7.8	8.1	8.16
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	23	8.	7.923	8.2	7.6	0.026	0.162	7.74	7.8	8.1	8.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	23	0.01	0.012	0.025	0.006	0.	0.005	0.007	0.008	0.016	0.018
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	23	7.	19.043	130.	1.	1289.316	35.907	1.	2.	17.	91.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	23	0.845	0.833	2.114	0.	0.366	0.605	0.	0.301	1.23	1.876
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.812								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	28	34.15	34.125	46.9	25.2	21.376	4.623	27.59	32.15	35.7	37.18
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	33	3.	3.485	7.	0.	4.383	2.093	1.	2.	5.5	7.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	23	3.	3.683	11.9	0.4	7.024	2.65	1.2	1.7	5.	7.04

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

Annual Analysis for 1997 - Station FOMA0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	22	21.2	20.341	31.2	14.	27.063	5.202	14.03	14.275	24.725	27.07
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	6.	8.714	20.	0.	35.297	5.941	2.	4.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	21	7.8	7.833	9.7	5.4	1.596	1.263	5.82	6.85	8.9	9.48
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	7.95	7.864	8.1	7.3	0.05	0.224	7.45	7.7	8.	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	7.947	7.8	8.1	7.3	0.055	0.234	7.45	7.7	8.	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.011	0.016	0.05	0.008	0.	0.011	0.008	0.01	0.02	0.038
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	8.	74.714	920.	1.	59275.604	243.466	1.	1.75	18.5	476.5
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.903	0.904	2.964	0.	0.606	0.778	0.	0.226	1.263	2.241
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.025								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	22	32.4	31.805	36.7	25.	7.28	2.698	29.03	29.575	33.875	34.54
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	22	3.	3.273	6.	1.	2.303	1.518	1.	2.	4.	5.7
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	1.8	3.893	14.	0.	16.679	4.084	0.4	0.9	5.8	12.

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

Station Inventory for Station: FOMA0036

NPS Station ID: FOMA0036
LAT/LON: 29.754004/ -81.245170
Agency: 21FLA
Date Created: 08/16/97
Location: South of Devils Elbow Fish Camp east shore
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88050SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	187	22.6	21.097	30.3	5.2	37.097	6.091	11.88	16.5	26.1	28.52
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	150	8.	8.82	30.	0.	34.35	5.861	3.1	5.	12.	16.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	150	7.6	7.901	15.4	2.1	4.992	2.234	5.31	6.3	9.5	10.49
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	150	8.1	8.043	8.4	7.4	0.027	0.165	7.8	8.	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	150	8.1	8.008	8.4	7.4	0.028	0.169	7.8	8.	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	150	0.008	0.01	0.04	0.004	0.	0.005	0.006	0.008	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	150	7.5	27.267	920.	1.	8172.13	90.4	1.1	2.	17.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	150	0.874	0.89	2.964	0.	0.361	0.601	0.03	0.301	1.23	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.769								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	178	33.8	33.111	46.9	15.2	16.945	4.116	29.08	31.475	35.3	36.91
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	202	3.	5.248	30.	0.	28.894	5.375	1.	2.	7.25	13.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	150	4.	4.73	18.	0.	10.722	3.274	1.6	2.275	6.1	8.8

** - 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: FOMA0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	150	1	0.01	31	0	0.00	86	1	0.01	33	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
		Other-Lo Lim.	6.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	0	0.00	27	0	0.00	83	0	0.00	40	0	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 1990 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	12	21.35	22.5	30.3	16.7	27.458	5.24	16.7	17.925	27.45	30.24
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	4.5	3.833	6.	0.	4.567	2.137	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	12	7.75	8.367	13.9	5.2	7.484	2.736	5.23	6.4	10.1	13.45
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.1	8.05	8.1	7.9	0.007	0.084	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.1	8.043	8.1	7.9	0.007	0.084	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.008	0.009	0.013	0.008	0.	0.002	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	6.5	13.333	49.	2.	314.667	17.739	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.801	0.889	1.69	0.301	0.217	0.465	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.744								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	12	33.85	33.917	35.9	31.8	3.062	1.75	31.86	32.2	35.6	35.87
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	12	13.	12.333	18.	6.	19.515	4.418	6.	8.	16.	18.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	2.7	3.133	6.	1.	4.251	2.062	**	**	**	**

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

Annual Analysis for 1991 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	23	26.8	25.296	30.2	15.3	19.04	4.363	17.7	21.5	28.8	29.74
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	12	7.5	6.75	12.	0.	11.295	3.361	0.9	4.25	9.5	11.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	15	6.3	6.427	8.1	5.	1.005	1.002	5.	5.5	7.3	7.98
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	12	8.1	8.058	8.2	7.9	0.01	0.1	7.9	8.	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	12	8.1	8.048	8.2	7.9	0.01	0.1	7.9	8.	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	12	0.008	0.009	0.013	0.006	0.	0.002	0.006	0.008	0.01	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	12	2.	4.583	13.	1.	19.902	4.461	1.	1.25	7.25	13.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	12	0.301	0.478	1.114	0.	0.173	0.415	0.	0.075	0.852	1.114
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.004								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	23	33.7	33.061	35.3	29.6	2.985	1.728	30.06	31.7	34.3	34.96
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	23	5.	6.435	13.	2.	15.166	3.894	3.	3.	12.	12.6
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	12	4.05	4.825	10.	2.8	3.54	1.882	3.1	3.85	5.175	8.98

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

Annual Analysis for 1992 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	29	19.7	20.583	29.6	12.1	24.169	4.916	14.	16.45	24.95	28.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	24	7.5	8.333	18.	0.	18.406	4.29	4.5	5.	11.5	15.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	29	8.1	8.248	15.4	4.8	4.235	2.058	5.9	6.7	9.6	10.2
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	24	8.1	8.083	8.3	7.8	0.021	0.143	7.85	8.	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	24	8.1	8.06	8.3	7.8	0.021	0.145	7.85	8.	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	24	0.008	0.009	0.016	0.005	0.	0.003	0.005	0.006	0.01	0.014
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	24	5.	24.042	240.	1.	2623.259	51.218	1.	2.	20.5	79.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	24	0.699	0.832	2.38	0.	0.438	0.662	0.	0.301	1.3	1.898
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.79								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	26	34.95	34.577	39.7	23.2	10.959	3.31	30.71	33.15	36.75	37.78
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	30	2.5	4.833	14.	1.	22.213	4.713	1.	2.	6.	14.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	24	7.05	7.604	18.	1.6	22.327	4.725	1.85	3.	11.7	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 1993 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	24	21.25	20.429	28.9	10.2	45.782	6.766	10.8	13.9	27.3	28.85
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	10.	9.941	20.	0.	28.934	5.379	3.2	6.	14.5	18.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	22	9.	8.891	12.9	5.5	3.266	1.807	6.01	7.55	10.325	10.67
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.1	8.082	8.3	7.9	0.012	0.107	7.98	8.	8.1	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.1	8.071	8.3	7.9	0.012	0.108	7.98	8.	8.1	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.008	0.009	0.013	0.005	0.	0.002	0.005	0.008	0.01	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	5.	10.588	49.	1.	140.132	11.838	1.8	2.	15.	28.2
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.699	0.805	1.69	0.	0.214	0.462	0.241	0.301	1.172	1.427
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.383								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	20	34.6	34.17	37.7	31.1	5.414	2.327	31.15	31.825	36.35	37.56
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	24	3.5	5.958	22.	1.	35.694	5.974	2.	2.	9.25	17.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	4.7	5.776	14.	2.	10.917	3.304	2.24	3.95	7.45	12.4

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

Annual Analysis for 1994 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	35	21.9	20.037	27.8	9.7	32.844	5.731	10.32	15.5	24.1	27.24
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	10.	9.966	20.	0.	26.463	5.144	4.	5.5	14.5	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	32	8.75	8.6	13.8	4.1	7.719	2.778	4.73	6.4	10.85	12.43
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.1	8.103	8.4	7.5	0.032	0.178	7.9	8.	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.1	8.061	8.4	7.5	0.034	0.183	7.9	8.	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.008	0.009	0.032	0.004	0.	0.005	0.005	0.006	0.01	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	11.	40.931	540.	1.	10063.924	100.319	2.	5.	28.	94.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	1.041	1.102	2.732	0.	0.4	0.633	0.301	0.699	1.44	1.973
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			12.638								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	34	31.25	29.797	38.5	15.2	36.629	6.052	19.1	26.525	34.225	38.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	37	2.	5.378	30.	0.	53.575	7.319	1.	1.5	5.	15.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	3.7	4.179	8.2	1.3	3.87	1.967	2.	2.6	5.45	7.3

** - 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 1995 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	16	23.15	19.631	26.7	8.5	42.129	6.491	9.97	13.3	25.15	26.56
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	20	7.5	9.1	28.	0.	61.779	7.86	0.	4.25	10.	24.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	4	7.7	6.875	10.	2.1	11.316	3.364	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	20	8.1	8.085	8.3	7.7	0.015	0.123	8.	8.	8.175	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	20	8.1	8.066	8.3	7.7	0.015	0.124	8.	8.	8.175	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	20	0.008	0.009	0.02	0.005	0.	0.003	0.006	0.007	0.01	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	20	8.	15.85	79.	1.	422.029	20.543	1.1	2.	20.75	48.7
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	20	0.903	0.878	1.898	0.	0.317	0.563	0.03	0.301	1.308	1.687
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.552								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	16	34.55	34.819	38.	30.5	3.087	1.757	32.25	34.3	35.925	37.72
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	24	2.	2.875	8.	0.	4.81	2.193	0.	2.	4.	6.5
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	20	3.35	3.985	7.6	1.	4.14	2.035	1.82	2.4	5.675	7.56

** - 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 1996 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	29	23.2	20.869	29.8	5.2	62.552	7.909	8.9	11.9	28.15	28.6
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	28	5.5	9.143	30.	0.	53.683	7.327	2.9	5.	12.	25.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	18	6.1	6.183	8.1	4.8	0.812	0.901	5.25	5.475	6.75	7.92
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	28	7.95	7.964	8.2	7.6	0.029	0.17	7.7	7.825	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	28	7.947	7.932	8.2	7.6	0.03	0.174	7.7	7.825	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	28	0.011	0.012	0.025	0.006	0.	0.005	0.006	0.008	0.015	0.02
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	28	7.5	49.679	920.	1.	30038.671	173.317	1.	2.5	16.25	112.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	28	0.874	0.924	2.964	0.	0.464	0.681	0.	0.376	1.209	2.049
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.389								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	28	34.4	34.393	46.9	26.7	19.029	4.362	29.	32.4	35.775	37.45
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	33	2.	3.212	12.	0.	13.297	3.647	0.4	1.	3.	12.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	28	3.2	4.161	13.	0.6	10.71	3.273	1.29	1.6	5.475	9.78

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

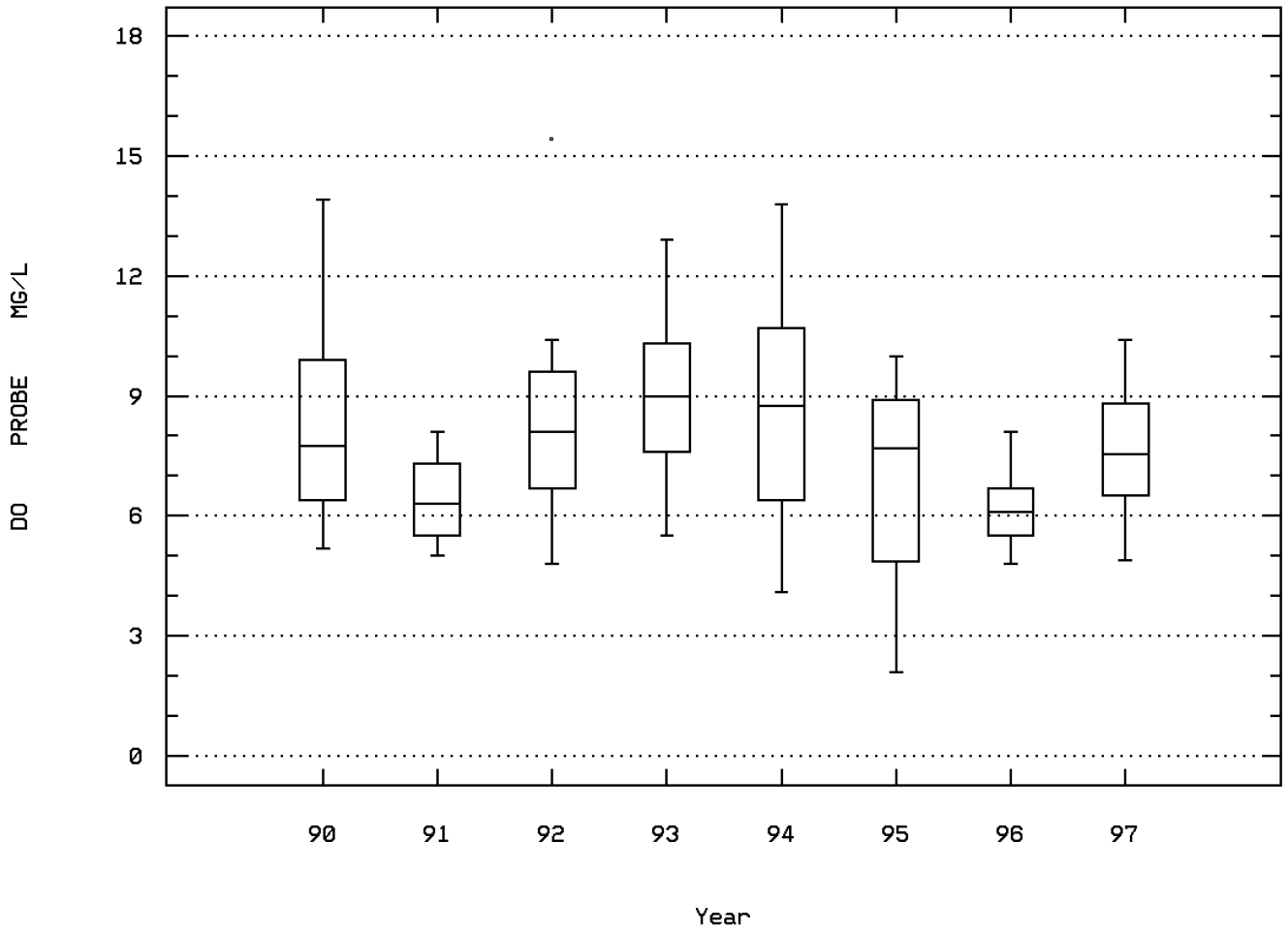
Annual Analysis for 1997 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	19	20.	20.289	29.	14.3	23.017	4.798	14.3	15.3	24.3	27.
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	6.	8.786	20.	0.	34.643	5.886	2.	4.75	15.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	18	7.55	7.756	10.4	4.9	2.331	1.527	5.98	6.475	8.875	10.4
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	7.95	7.886	8.1	7.4	0.043	0.207	7.5	7.775	8.025	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	7.947	7.833	8.1	7.4	0.046	0.214	7.5	7.775	8.025	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.011	0.015	0.04	0.008	0.	0.009	0.008	0.009	0.017	0.032
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	8.	21.643	130.	1.	1352.247	36.773	1.5	4.75	14.	104.5
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	0.903	0.962	2.114	0.	0.306	0.553	0.151	0.675	1.143	2.006
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.156								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	19	32.8	32.142	37.	23.8	10.23	3.198	28.8	29.8	34.4	36.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	19	4.	5.368	14.	1.	22.468	4.74	1.	2.	8.	14.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	2.	2.479	6.9	0.	3.134	1.77	0.5	1.35	3.2	5.9

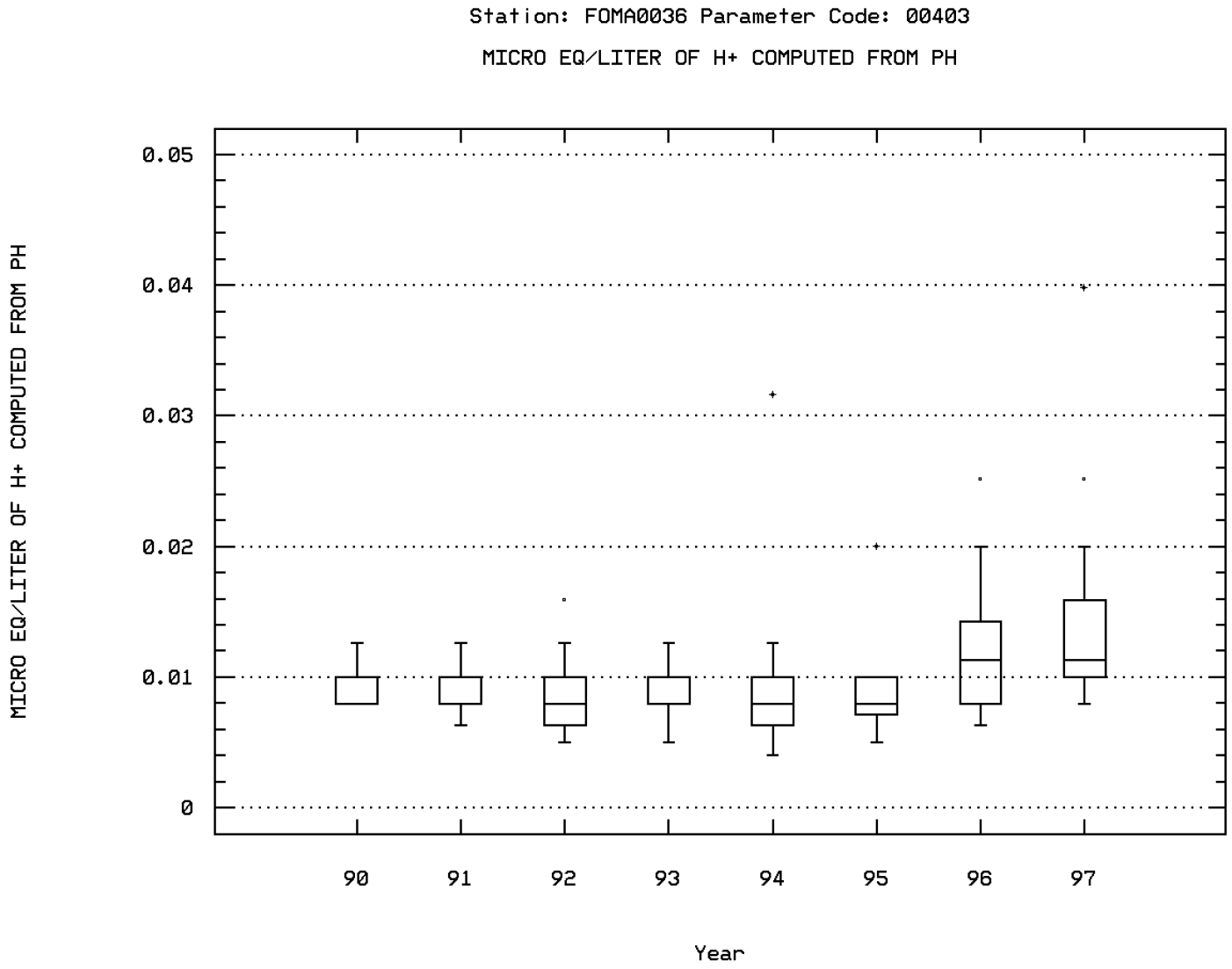
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0036 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



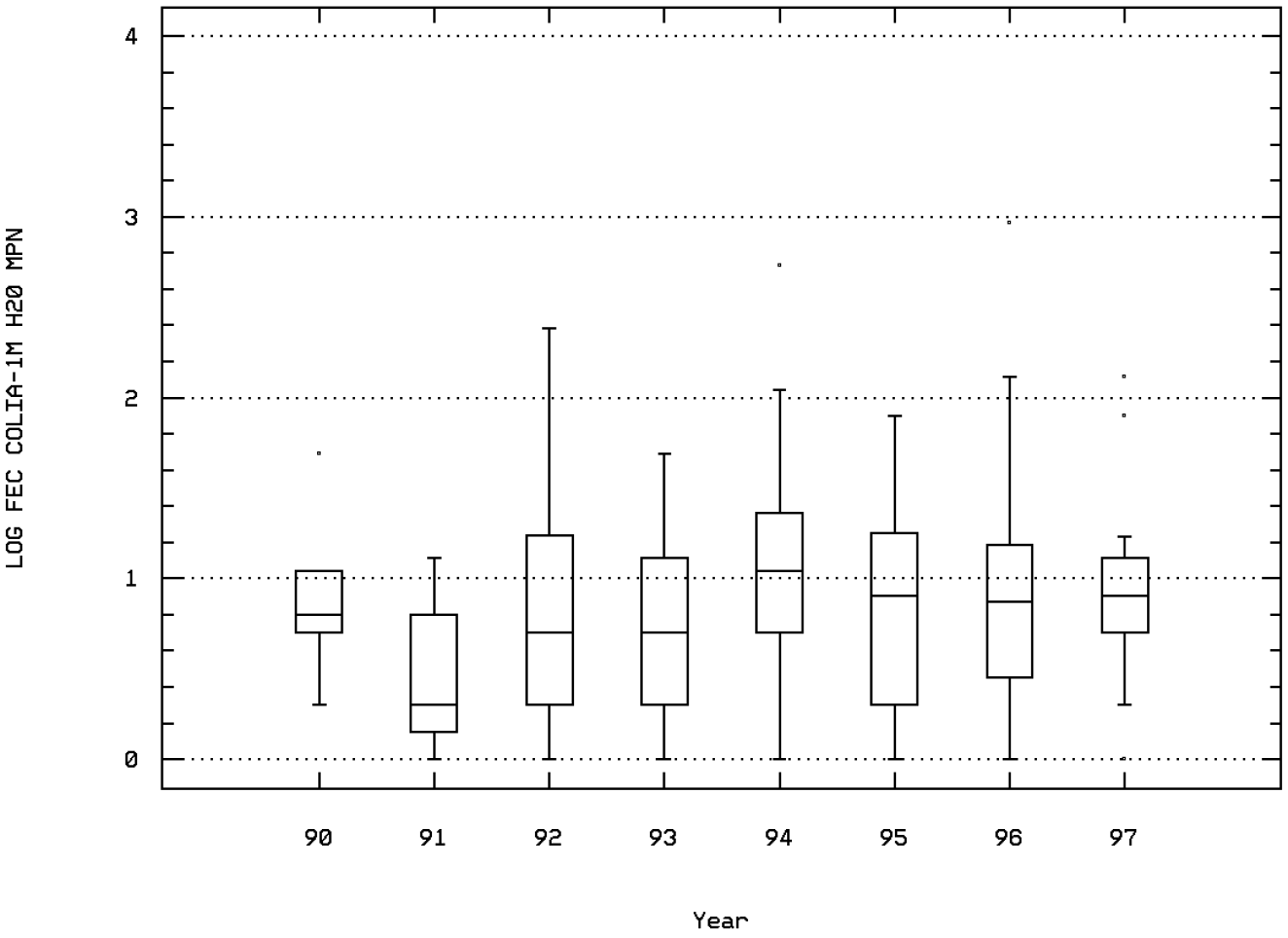
South of Devils Elbow Fish Camp east sh



South of Devils Elbow Fish Camp east sh

Station: FOMA0036 Parameter Code: 31621

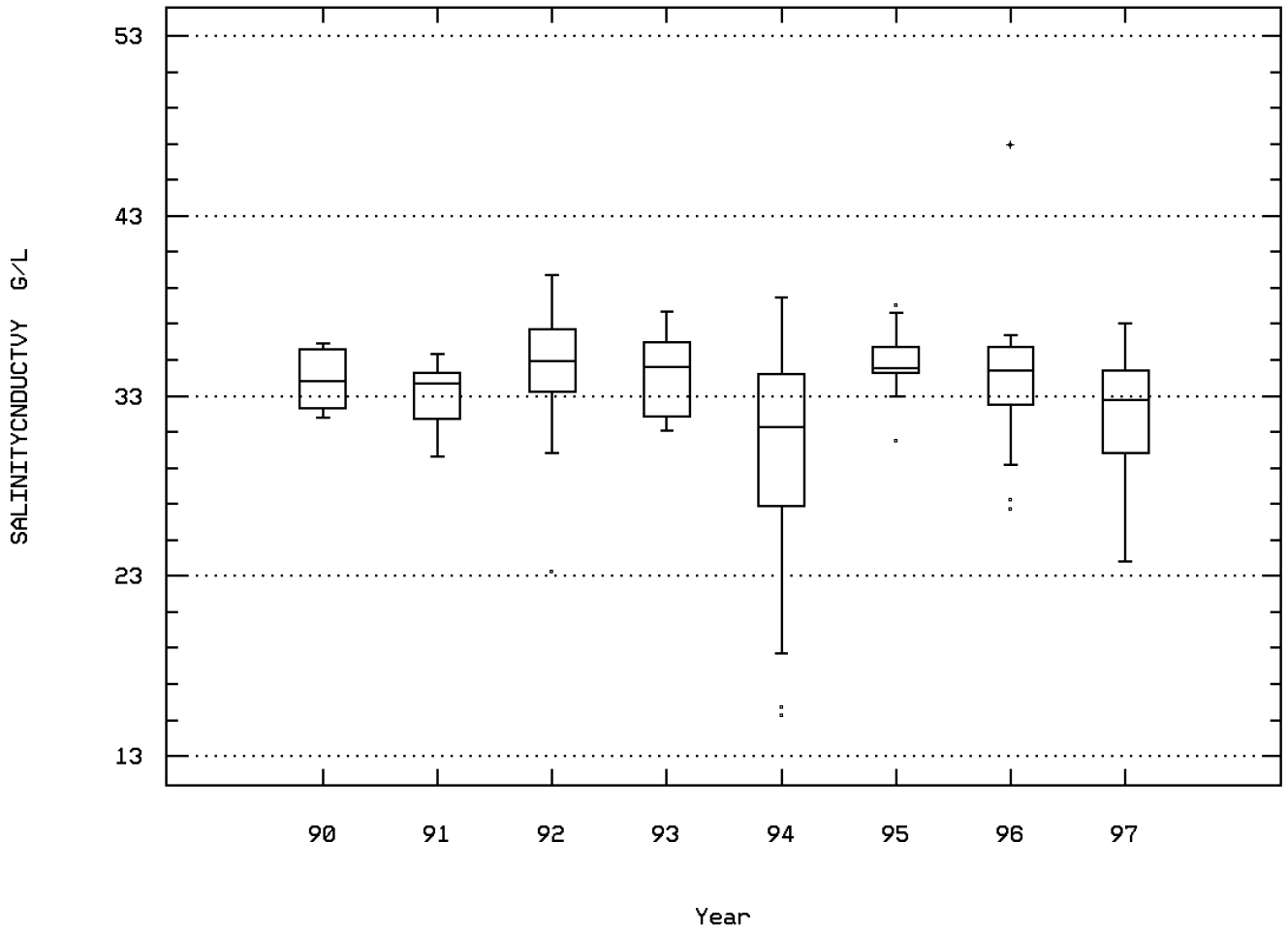
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



South of Devils Elbow Fish Camp east sh

Station: FOMA0036 Parameter Code: 70305

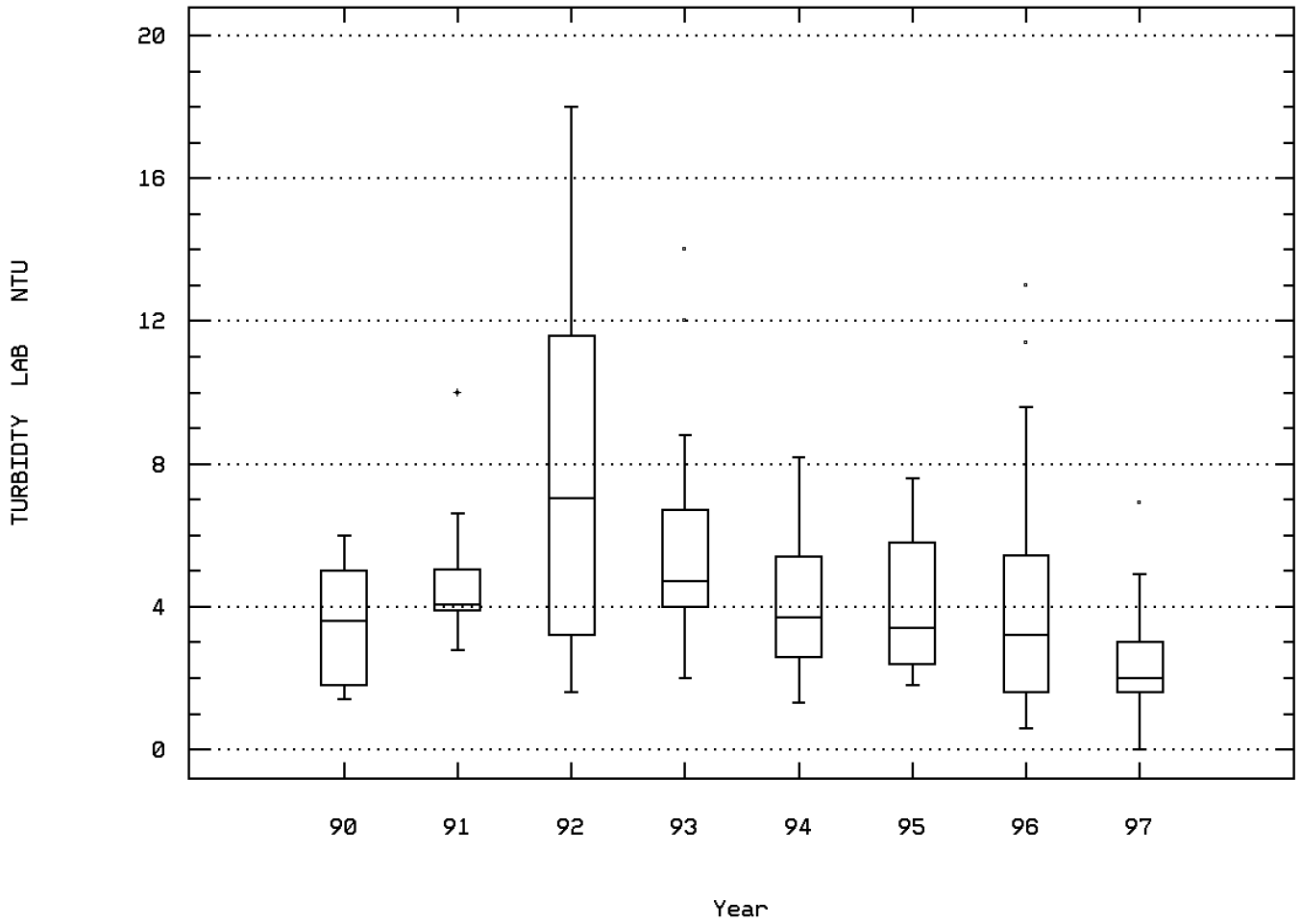
SALINITY BASED ON CONDUCTIVITY



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Station: FOMA0036 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



South of Devils Elbow Fish Camp east sh

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	33	21.9	21.803	29.1	15.1	15.132	3.89	16.04	18.8	24.7	27.36
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	27	8.	10.259	25.	3.	37.123	6.093	3.8	5.	15.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	31	7.2	7.961	13.8	4.8	5.304	2.303	5.5	6.4	9.4	12.3
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	27	8.	8.011	8.3	7.6	0.019	0.137	7.88	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	27	8.	7.989	8.3	7.6	0.019	0.139	7.88	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	27	0.01	0.01	0.025	0.005	0.	0.004	0.006	0.008	0.013	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	27	8.	51.778	920.	2.	30572.256	174.849	2.	5.	23.	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	27	0.903	1.089	2.964	0.301	0.35	0.592	0.301	0.699	1.362	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			12.277								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	29	32.8	33.145	38.9	23.2	13.058	3.614	29.6	31.1	35.8	38.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	38	4.	6.026	15.	0.	22.243	4.716	0.9	2.	12.	13.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	27	4.7	5.296	18.	1.8	10.53	3.245	2.	3.6	6.7	8.52

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	108	17.35	18.177	28.	5.2	31.993	5.656	10.69	13.825	23.5	25.72
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	83	8.	9.446	30.	0.	35.445	5.954	4.	5.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	86	7.9	8.186	15.4	2.1	5.625	2.372	5.	6.4	9.925	11.09
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	83	8.1	8.04	8.4	7.4	0.028	0.166	7.84	8.	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	83	8.1	8.002	8.4	7.4	0.029	0.17	7.84	8.	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	83	0.008	0.01	0.04	0.004	0.	0.005	0.006	0.008	0.01	0.015
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	83	5.	23.361	540.	1.	4129.599	64.262	1.	2.	13.	61.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	83	0.699	0.854	2.732	0.	0.362	0.602	0.	0.301	1.114	1.783
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.146								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	105	33.8	32.605	46.9	15.2	21.505	4.637	27.74	31.15	35.	36.34
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	114	3.	5.57	30.	0.	37.185	6.098	1.	2.	8.	14.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	83	3.2	4.029	13.	0.	8.973	2.995	1.3	1.8	5.	8.8

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	46	28.2	27.446	30.3	22.8	4.471	2.114	23.95	25.425	28.925	29.83
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	40	5.	6.55	25.	0.	24.408	4.94	0.	4.	10.	12.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	33	7.1	7.103	10.3	4.8	2.451	1.566	5.24	5.6	8.1	9.7
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	40	8.1	8.073	8.3	7.7	0.032	0.178	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	40	8.1	8.034	8.3	7.7	0.033	0.182	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	40	0.008	0.009	0.02	0.005	0.	0.004	0.005	0.006	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	40	8.	18.825	240.	1.	1635.994	40.447	1.	2.	13.75	48.7
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	40	0.903	0.832	2.38	0.	0.352	0.593	0.	0.301	1.138	1.687
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.787								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	44	34.35	34.295	39.7	26.9	7.173	2.678	30.8	32.975	35.875	37.85
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	50	2.	3.92	14.	0.	13.463	3.669	1.	2.	5.	12.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	40	5.4	5.803	17.	1.6	12.629	3.554	2.22	3.	7.2	11.94

** - 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

Station Inventory for Station: FOMA0037

NPS Station ID: FOMA0037
LAT/LON: 29.764670/ -81.239503
Agency: 21FLA
Date Created: 08/16/97
Location: CM 60
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88155SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-06/30/97	90	23.3	21.238	29.4	4.8	45.036	6.711	11.7	16.825	26.75	28.5
00035	WIND VELOCITY (MILES PER HOUR)	05/09/95-06/30/97	57	7.	8.632	30.	0.	44.987	6.707	1.6	5.	12.	20.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-06/30/97	58	6.45	6.686	10.1	4.5	1.996	1.413	4.99	5.6	7.9	8.74
00403	PH, LAB, STANDARD UNITS SU	05/09/95-06/30/97	57	8.	7.933	8.3	7.4	0.035	0.186	7.6	7.8	8.1	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	05/09/95-06/30/97	57	8.	7.89	8.3	7.4	0.037	0.192	7.6	7.8	8.1	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-06/30/97	57	0.01	0.013	0.04	0.005	0.	0.007	0.008	0.008	0.016	0.025
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	05/09/95-06/30/97	57	5.	13.474	170.	1.	804.289	28.36	1.	2.	12.	25.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	05/09/95-06/30/97	57	0.699	0.737	2.23	0.	0.29	0.539	0.	0.301	1.078	1.393
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.456								
70305	SALINITY BASED ON CONDUCTIVITY	05/09/95-06/30/97	88	33.7	33.22	46.9	23.4	13.255	3.641	29.09	31.875	35.	36.11
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	05/09/95-06/30/97	102	14.	13.539	26.	0.	30.766	5.547	7.	10.75	18.	20.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-06/30/97	57	3.2	3.732	12.4	0.	5.945	2.438	1.4	1.8	5.35	6.76

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

EPA Water Quality Criteria Analysis for Station: FOMA0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	58	0	0.00	8	0	0.00	30	0	0.00	20	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	57	0	0.00	9	0	0.00	30	0	0.00	18	0	0.00			
		Other-Lo Lim.	6.5	57	0	0.00	9	0	0.00	30	0	0.00	18	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	57	0	0.00	9	0	0.00	30	0	0.00	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

Station Inventory for Station: FOMA0038

NPS Station ID: FOMA0038
LAT/LON: 29.767226/ -81.255282
Agency: 112WRD
Date Created: 04/14/78
Location: SJ-94 HOWARD AT CRESCENT BEACH, FL
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 294602081151901
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin: C
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 03080201030900.00
RF3 Mile Point: 0.51
Distance from RF3: 0.36
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/77-05/18/88	6	21.5	21.6	23.	20.	1.28	1.131	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/18/88-05/18/88	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/77-05/18/88	5	10700.	11120.	12200.	10200.	837000.	914.877	**	**	**	**
00400	PH (STANDARD UNITS)	03/05/81-05/18/88	2	7.64	7.64	7.89	7.39	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/05/81-05/18/88	2	7.572	7.572	7.89	7.39	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/05/81-05/18/88	2	0.027	0.027	0.041	0.013	0.	0.02	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/05/81-05/18/88	2	7.65	7.65	7.8	7.5	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/05/81-05/18/88	2	7.625	7.625	7.8	7.5	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/05/81-05/18/88	2	0.024	0.024	0.032	0.016	0.	0.011	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	03/05/81-03/05/81	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/05/81-05/18/88	2	136.5	136.5	137.	136.	0.5	0.707	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/05/81-03/05/81	1	167.	167.	167.	167.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/05/81-03/05/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/77-03/05/81	4	1700.	1675.	1700.	1600.	2500.	50.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/05/81-03/05/81	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/05/81-05/18/88	2	285.	285.	300.	270.	450.	21.213	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/05/81-05/18/88	2	245.	245.	250.	240.	50.	7.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/05/81-05/18/88	2	2100.	2100.	2200.	2000.	20000.	141.421	**	**	**	**
00931	SODIUM ADSORPTION RATIO	03/05/81-03/05/81	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	03/05/81-03/05/81	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/05/81-05/18/88	2	59.	59.	60.	58.	2.	1.414	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/04/77-05/18/88	5	3350.	3390.	3600.	3200.	25500.	159.687	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/05/81-05/18/88	2	845.	845.	870.	820.	1250.	35.355	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/05/81-05/18/88	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/05/81-05/18/88	2	21.	21.	22.	20.	2.	1.414	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/18/88-05/18/88	1	9500.	9500.	9500.	9500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/18/88-05/18/88	1	7620.	7620.	7620.	7620.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/05/81-03/05/81	1	7240.	7240.	7240.	7240.	0.	0.	**	**	**	**
71820	DENSITY (GM/ML AT 20 C)	05/18/88-05/18/88	1	1.004	1.004	1.004	1.004	0.	0.	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	05/04/77-09/12/83	13	-6.8	-7.069	-4.1	-11.7	3.534	1.88	-4.3	-6.2	-8.05	-10.34
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	05/04/77-09/13/94	31	11.8	13.356	30.78	9.1	25.251	5.025	9.64	10.6	14.21	16.682
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	03/05/81-03/05/81	1	43.	43.	43.	43.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: FOMA0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	5	1.00				5	5	1.00						
		Drinking Water	250.	5	5	1.00				5	5	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				2	2	1.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				2	0	0.00						

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

Station Inventory for Station: FOMA0039

NPS Station ID: FOMA0039
LAT/LON: 29.767337/ -81.255337
Agency: 21FLA
Date Created: 08/16/97
Location: Southwest of SR 206 bridge
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88190SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	147	22.7	20.721	30.6	3.6	41.8	6.465	11.08	15.4	26.6	28.3
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	105	8.	9.171	30.	0.	38.182	6.179	2.	5.	12.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	113	7.5	7.705	13.9	2.1	4.929	2.22	5.	6.2	9.35	10.6
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	105	8.	7.99	8.4	7.4	0.035	0.187	7.76	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	105	8.	7.946	8.4	7.4	0.037	0.192	7.76	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	105	0.01	0.011	0.04	0.004	0.	0.006	0.006	0.008	0.013	0.017
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	105	7.	18.638	350.	1.	1990.906	44.62	1.	2.	13.	38.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	105	0.845	0.784	2.544	0.	0.365	0.605	0.	0.301	1.114	1.576
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.077								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	140	33.45	32.428	47.	18.2	17.721	4.21	26.52	30.4	34.675	36.59
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	161	3.	3.491	12.	0.	4.364	2.089	1.	2.	5.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	105	4.1	4.744	17.	0.	10.682	3.268	1.4	2.5	6.2	8.64

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

EPA Water Quality Criteria Analysis for Station: FOMA0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	113	4	0.04	25	0	0.00	56	3	0.05	32	1	0.03			
00403	PH, LAB	Marine Chronic	8.5	105	0	0.00	18	0	0.00	58	0	0.00	29	0	0.00			
		Other-Lo Lim.	6.5	105	0	0.00	18	0	0.00	58	0	0.00	29	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	105	0	0.00	18	0	0.00	58	0	0.00	29	0	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 1993 - Station FOMA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	25	24.	21.712	29.1	11.7	37.978	6.163	13.02	15.4	27.4	28.64
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	10.	10.071	18.	0.	26.533	5.151	2.	7.	14.25	17.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	23	8.7	8.574	11.3	5.3	2.911	1.706	6.1	7.4	10.1	10.92
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	8.1	8.071	8.3	7.8	0.019	0.138	7.85	8.	8.125	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	8.1	8.051	8.3	7.8	0.02	0.14	7.85	8.	8.125	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.008	0.009	0.016	0.005	0.	0.003	0.005	0.008	0.01	0.014
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	7.	7.786	23.	1.	40.797	6.387	1.	2.	11.5	20.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.845	0.728	1.362	0.	0.185	0.43	0.	0.301	1.06	1.296
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.34								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	21	34.	33.91	38.	30.4	6.155	2.481	30.86	31.45	36.2	37.7
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	25	4.	4.2	7.	1.	2.833	1.683	2.	3.	6.	6.4
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	6.75	7.357	17.	1.6	17.421	4.174	1.8	4.75	9.5	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 1994 - Station FOMA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	47	22.4	20.772	28.5	9.5	34.916	5.909	10.74	16.6	26.2	27.4
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	29	10.	9.69	20.	0.	26.793	5.176	4.	5.	14.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	41	8.5	8.449	13.9	2.9	6.721	2.592	5.	6.5	10.6	11.8
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	29	8.1	8.062	8.4	7.6	0.025	0.159	7.9	7.9	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	29	8.1	8.032	8.4	7.6	0.026	0.162	7.9	7.9	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	29	0.008	0.009	0.025	0.004	0.	0.004	0.006	0.006	0.013	0.013
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	29	8.	32.483	350.	1.	4953.401	70.38	1.	2.	27.5	79.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	29	0.903	0.961	2.544	0.	0.477	0.691	0.	0.301	1.43	1.898
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.147								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	46	31.	30.785	38.3	18.2	24.195	4.919	22.88	28.1	34.5	38.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	49	3.	3.918	12.	0.	5.785	2.405	1.	3.	5.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	29	4.1	4.672	14.	2.3	6.003	2.45	2.6	2.9	5.15	8.1

** - 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 1995 - Station FOMA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	16	22.85	19.119	26.4	8.3	44.707	6.686	8.44	13.525	24.65	25.91
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	20	7.5	8.9	25.	0.	55.253	7.433	0.	4.25	11.5	24.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	5	7.6	6.72	8.5	2.1	6.822	2.612	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	20	8.05	8.05	8.3	7.6	0.021	0.143	7.91	8.	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	20	8.047	8.024	8.3	7.6	0.021	0.146	7.91	8.	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	20	0.009	0.009	0.025	0.005	0.	0.004	0.006	0.008	0.01	0.012
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	20	3.	16.35	170.	1.	1433.608	37.863	1.	1.	12.5	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	20	0.452	0.636	2.23	0.	0.446	0.668	0.	0.	1.085	1.519
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.33								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	16	34.35	34.488	37.8	30.9	3.163	1.778	32.09	33.6	35.45	37.66
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	24	2.	2.333	4.	0.	2.058	1.435	0.	1.25	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	20	4.1	4.895	12.	1.8	8.818	2.97	1.84	2.525	6.05	11.61

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

Annual Analysis for 1996 - Station FOMA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	38	22.8	20.561	29.4	3.6	61.775	7.86	9.78	12.1	28.15	28.51
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	28	6.	8.714	30.	0.	48.286	6.949	1.8	5.	12.	20.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	24	5.65	5.833	7.7	4.6	0.831	0.912	4.75	5.1	6.575	7.3
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	28	7.9	7.893	8.2	7.5	0.032	0.178	7.6	7.8	8.075	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	28	7.9	7.857	8.2	7.5	0.033	0.182	7.6	7.8	8.075	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	28	0.013	0.014	0.032	0.006	0.	0.006	0.008	0.008	0.016	0.025
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	28	5.	14.143	170.	1.	1078.942	32.847	1.	1.25	10.25	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	28	0.699	0.69	2.23	0.	0.331	0.576	0.	0.075	1.007	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.902								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	36	33.9	33.419	47.	24.3	21.486	4.635	26.22	31.9	35.05	35.93
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	42	3.	3.429	10.	0.	5.178	2.275	1.	2.	4.25	6.7
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	28	3.3	4.432	16.5	0.3	12.514	3.538	1.38	1.925	7.025	8.78

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

Annual Analysis for 1997 - Station FOMA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/93-06/30/97	21	22.5	20.938	30.6	14.	28.057	5.297	14.02	15.	24.9	27.8
00035	WIND VELOCITY (MILES PER HOUR)	04/08/93-06/30/97	14	6.	8.5	20.	0.	37.654	6.136	1.	4.	15.	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/08/93-06/30/97	20	7.85	7.675	9.8	3.9	2.304	1.518	5.47	6.725	8.775	9.57
00403	PH, LAB, STANDARD UNITS SU	04/08/93-06/30/97	14	7.9	7.864	8.1	7.4	0.047	0.217	7.5	7.75	8.025	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/93-06/30/97	14	7.889	7.809	8.1	7.4	0.05	0.224	7.5	7.75	8.025	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/93-06/30/97	14	0.013	0.016	0.04	0.008	0.	0.009	0.008	0.009	0.018	0.032
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/08/93-06/30/97	14	8.	13.071	49.	1.	242.071	15.559	1.5	3.5	14.	47.5
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/08/93-06/30/97	14	0.903	0.869	1.69	0.	0.238	0.487	0.151	0.527	1.121	1.676
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.398								
70305	SALINITY BASED ON CONDUCTIVITY	06/03/93-06/30/97	21	31.9	31.276	36.1	24.5	7.529	2.744	28.22	29.2	33.55	33.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	04/08/93-06/30/97	21	3.	3.095	5.	1.	1.79	1.338	1.	2.	4.	5.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/93-06/30/97	14	2.	2.686	6.2	0.	4.058	2.015	0.4	0.975	4.35	5.95

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

Station Inventory for Station: FOMA0040

NPS Station ID: FOMA0040
LAT/LON: 29.768004/ -81.251338
Agency: 21FLA
Date Created: 08/16/97
Location: Marina south of SR 206 bridge
FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 88150SEAS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 03080201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 03080201
RF1 Mile Point: 0.000
Distance from RF1: 2.60
On/Off RF1:
RF3 Index: 03080201001208.92
RF3 Mile Point: 9.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	202	22.4	20.973	31.3	4.9	39.186	6.26	11.83	16.	26.425	28.5
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	150	7.	8.407	30.	0.	33.196	5.762	2.	5.	12.	15.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	159	7.7	7.796	15.6	2.1	4.316	2.078	5.4	6.1	9.2	10.4
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	150	8.	8.018	8.4	7.4	0.026	0.16	7.8	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	150	8.	7.985	8.4	7.4	0.027	0.163	7.8	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	150	0.01	0.01	0.04	0.004	0.	0.005	0.006	0.008	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	150	8.	48.647	1700.	1.	37789.035	194.394	1.	2.	33.	76.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	150	0.903	0.995	3.23	0.	0.467	0.683	0.	0.301	1.519	1.877
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.888								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	188	33.8	32.757	46.9	17.4	17.307	4.16	27.59	31.025	35.	36.6
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	217	3.	3.59	22.	0.	9.123	3.02	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	150	4.5	5.357	20.	0.	12.619	3.552	1.8	2.7	7.05	9.96

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

EPA Water Quality Criteria Analysis for Station: FOMA0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	159	3	0.02	34	0	0.00	91	3	0.03	34	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
		Other-Lo Lim.	6.5	150	0	0.00	27	0	0.00	83	0	0.00	40	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	0	0.00	27	0	0.00	83	0	0.00	40	0	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 1990 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	9	24.3	24.044	30.9	17.5	27.18	5.213	17.5	19.45	29.05	30.9
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	6	4.5	3.833	6.	0.	4.567	2.137	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	9	8.	7.422	9.3	5.6	1.554	1.247	5.6	6.1	8.15	9.3
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	6	8.05	8.05	8.2	7.9	0.011	0.105	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	6	8.047	8.039	8.2	7.9	0.011	0.106	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	6	0.009	0.009	0.013	0.006	0.	0.002	**	**	**	**
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	6	7.5	11.833	28.	1.	113.367	10.647	**	**	**	**
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	6	0.874	0.873	1.447	0.	0.269	0.518	**	**	**	**
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.461								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	9	35.3	34.1	35.9	32.1	3.127	1.768	32.1	32.2	35.65	35.9
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	9	4.	3.333	4.	2.	1.	1.	2.	2.	4.	4.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	6	2.6	2.967	5.4	1.2	2.791	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 box-and-whisker plot

Annual Analysis for 1991 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	18	27.15	25.828	30.3	16.4	18.984	4.357	16.4	22.875	29.575	30.12
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	12	5.5	5.833	12.	0.	10.152	3.186	0.9	4.	7.75	11.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	11	6.1	6.4	8.3	4.8	1.414	1.189	4.9	5.5	7.6	8.22
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	12	8.05	8.025	8.1	7.9	0.007	0.087	7.9	7.925	8.1	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	12	8.047	8.017	8.1	7.9	0.008	0.087	7.9	7.925	8.1	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	12	0.009	0.01	0.013	0.008	0.	0.002	0.008	0.008	0.012	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	12	4.	12.417	49.	1.	301.174	17.354	1.3	2.	18.5	48.1
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	12	0.602	0.738	1.69	0.	0.319	0.565	0.09	0.301	1.233	1.682
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.466								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	18	33.7	32.8	34.8	28.8	3.567	1.889	28.8	31.325	34.	34.71
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	18	3.	3.222	6.	1.	2.065	1.437	1.	2.	4.	6.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	12	6.55	6.592	10.	3.	4.755	2.181	3.06	5.4	8.025	9.88

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

Annual Analysis for 1992 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	32	20.3	20.613	31.3	11.9	27.426	5.237	13.59	16.325	24.9	28.38
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	24	7.	8.042	16.	0.	18.737	4.329	3.5	5.	11.5	15.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	32	8.25	8.15	15.6	4.6	4.548	2.133	5.93	6.25	9.2	10.37
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	24	8.	8.037	8.2	7.8	0.013	0.113	7.85	8.	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	24	8.	8.023	8.2	7.8	0.013	0.114	7.85	8.	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	24	0.01	0.009	0.016	0.006	0.	0.003	0.006	0.008	0.01	0.014
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	24	5.	25.917	350.	1.	5140.254	71.696	1.	1.25	11.75	64.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	24	0.699	0.746	2.544	0.	0.466	0.683	0.	0.075	1.061	1.794
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.573								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	28	34.25	34.039	39.8	22.6	11.525	3.395	30.	32.5	35.775	38.96
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	33	3.	4.545	16.	1.	18.568	4.309	1.	2.	4.5	13.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	24	6.75	6.679	13.2	2.	12.37	3.517	2.1	3.	8.125	12.05

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

Annual Analysis for 1993 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	27	20.	20.519	29.2	10.6	43.935	6.628	11.22	14.3	27.3	29.
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	17	10.	9.941	20.	0.	33.934	5.825	0.	6.	14.5	18.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	25	9.3	8.736	11.1	5.3	3.192	1.787	6.02	7.2	10.2	10.8
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	17	8.1	8.076	8.3	7.9	0.012	0.109	7.98	8.	8.1	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	17	8.1	8.064	8.3	7.9	0.012	0.11	7.98	8.	8.1	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	17	0.008	0.009	0.013	0.005	0.	0.002	0.005	0.008	0.01	0.011
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	17	5.	18.529	130.	2.	1187.39	34.459	2.	2.	12.5	89.2
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	17	0.699	0.827	2.114	0.301	0.325	0.57	0.301	0.301	1.067	1.941
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.718								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	22	34.65	34.073	38.1	30.7	6.425	2.535	30.83	31.275	36.45	37.68
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	27	3.	3.074	5.	1.	1.071	1.035	2.	2.	3.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	17	6.1	6.324	17.	2.3	11.984	3.462	2.62	3.7	8.	10.2

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

Annual Analysis for 1994 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	38	21.	20.026	28.4	9.5	35.558	5.963	11.16	15.975	25.075	27.8
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	29	10.	9.517	20.	0.	26.116	5.11	4.	5.	14.	18.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	34	8.65	8.562	14.	3.2	6.461	2.542	4.9	6.9	10.575	11.5
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	29	8.1	8.072	8.4	7.6	0.025	0.158	7.9	7.95	8.2	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	29	8.1	8.042	8.4	7.6	0.026	0.161	7.9	7.95	8.2	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	29	0.008	0.009	0.025	0.004	0.	0.004	0.006	0.006	0.011	0.013
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	29	33.	102.034	1700.	1.	99614.677	315.618	1.	9.	49.	220.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	29	1.519	1.319	3.23	0.	0.587	0.766	0.	0.943	1.69	2.342
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			20.833								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	35	30.7	29.757	38.3	17.4	33.62	5.798	21.26	26.	34.4	37.82
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	40	2.5	3.95	22.	0.	21.69	4.657	1.	2.	4.	9.4
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	29	4.5	6.269	20.	2.	20.984	4.581	2.7	3.55	7.25	16.5

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

Annual Analysis for 1995 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	20	23.35	20.06	26.8	8.3	35.825	5.985	10.36	14.325	24.75	26.28
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	20	7.5	8.9	25.	0.	55.253	7.433	0.	4.25	11.5	24.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	5	9.1	7.66	9.8	2.1	10.093	3.177	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	20	8.1	8.075	8.3	7.7	0.017	0.129	8.	8.	8.1	8.29
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	20	8.1	8.055	8.3	7.7	0.017	0.131	8.	8.	8.1	8.29
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	20	0.008	0.009	0.02	0.005	0.	0.003	0.005	0.008	0.01	0.01
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	20	9.5	113.4	1600.	1.	125902.463	354.827	2.	5.	67.5	229.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	20	0.972	1.173	3.204	0.	0.639	0.799	0.301	0.699	1.803	2.354
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			14.9								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	20	34.75	34.575	38.4	30.3	3.875	1.968	31.15	34.	35.6	37.77
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	28	3.	3.643	9.	0.	6.608	2.571	0.	1.25	6.	6.3
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	20	4.35	4.79	12.	1.4	7.994	2.827	2.01	2.3	6.575	8.85

** - 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 1996 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	36	22.7	20.414	29.9	4.9	63.613	7.976	9.87	12.15	28.1	28.53
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	28	6.	8.464	30.	0.	48.999	7.	1.8	5.	11.5	20.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	22	5.75	5.923	7.4	4.5	0.589	0.767	5.1	5.375	6.35	7.27
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	28	7.95	7.929	8.2	7.5	0.03	0.174	7.69	7.8	8.1	8.11
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	28	7.947	7.893	8.2	7.5	0.032	0.178	7.69	7.8	8.1	8.11
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	28	0.011	0.013	0.032	0.006	0.	0.006	0.008	0.008	0.016	0.02
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	28	8.	22.607	240.	1.	2064.544	45.437	1.	2.75	23.	49.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	28	0.903	0.926	2.38	0.	0.387	0.622	0.	0.401	1.362	1.69
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.43								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	34	34.	33.276	46.9	24.4	22.273	4.719	26.	31.85	34.8	35.85
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	40	3.	3.2	11.	0.	5.19	2.278	1.	2.	4.	5.9
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	28	3.1	4.125	13.6	0.5	9.277	3.046	1.4	2.	5.425	8.29

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

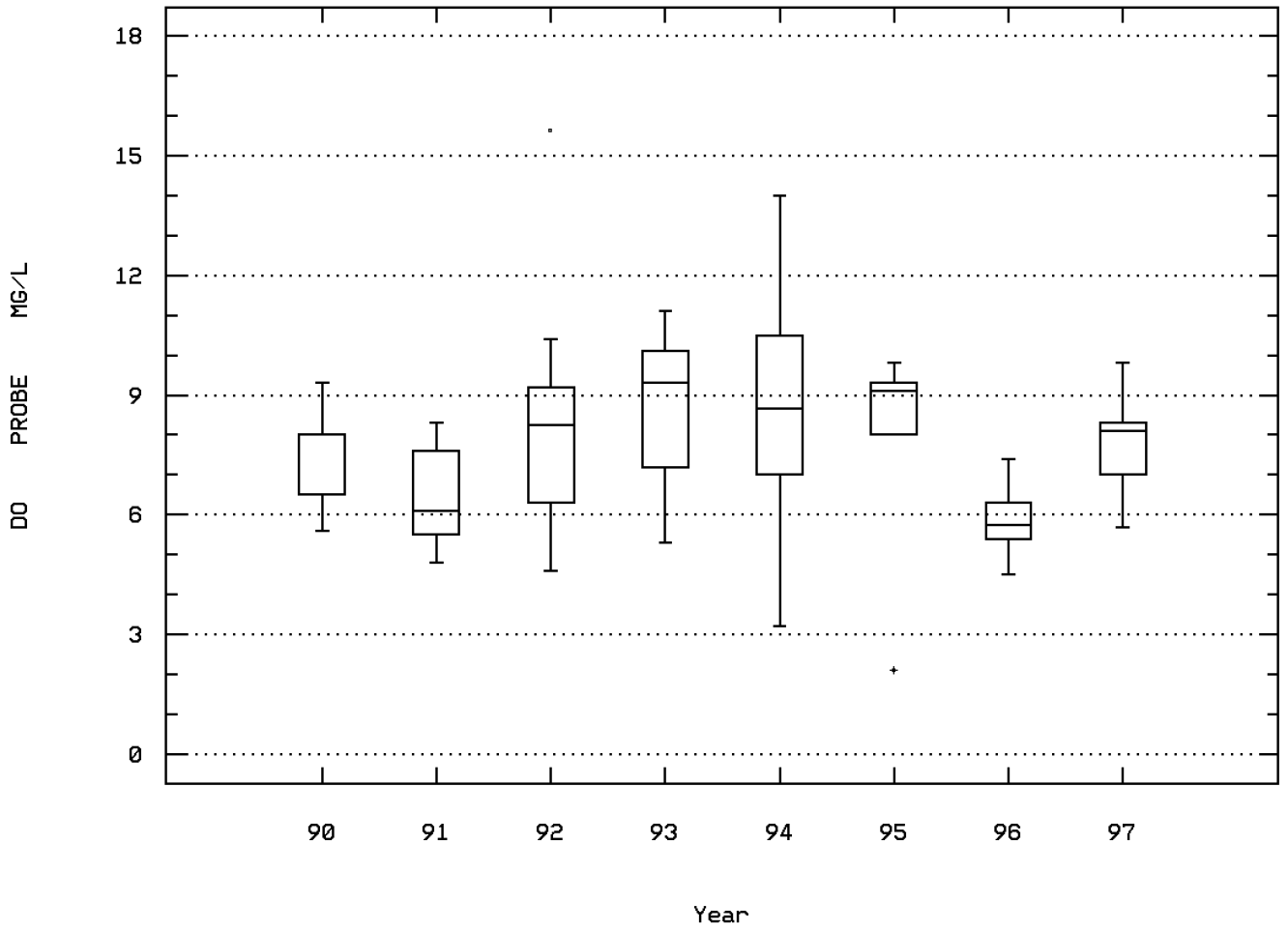
Annual Analysis for 1997 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	22	21.35	20.209	29.9	14.	25.106	5.011	14.16	14.55	24.125	26.84
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	14	6.	8.214	20.	0.	34.181	5.846	1.	4.	12.75	17.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	21	8.1	7.781	9.8	5.7	1.292	1.136	6.12	6.9	8.5	9.56
00403p	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	14	7.95	7.879	8.1	7.4	0.048	0.219	7.45	7.775	8.025	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	14	7.947	7.82	8.1	7.4	0.052	0.227	7.45	7.775	8.025	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	14	0.011	0.015	0.04	0.008	0.	0.01	0.008	0.009	0.017	0.036
31621p	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	14	17.	20.	49.	2.	282.154	16.797	2.	5.	28.75	49.
31621p	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	14	1.23	1.113	1.69	0.301	0.22	0.469	0.301	0.699	1.437	1.69
31621p	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			12.967								
70305p	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	22	32.4	31.545	36.6	22.4	10.952	3.309	27.53	29.325	33.9	35.86
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	22	3.	3.182	5.	2.	1.108	1.053	2.	2.	4.	5.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	14	2.3	3.271	10.	0.	7.959	2.821	0.45	1.	5.275	8.1

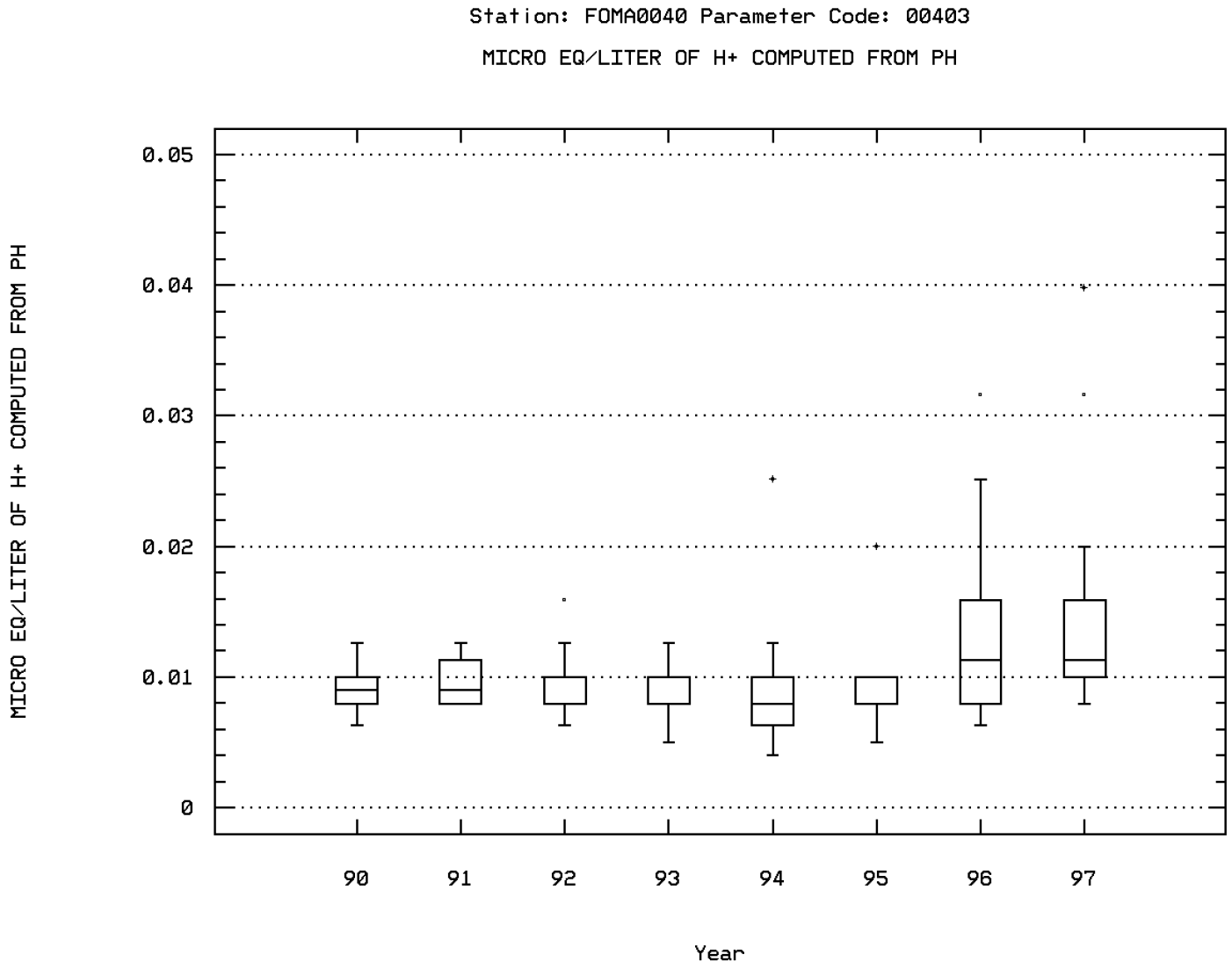
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FOMA0040 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



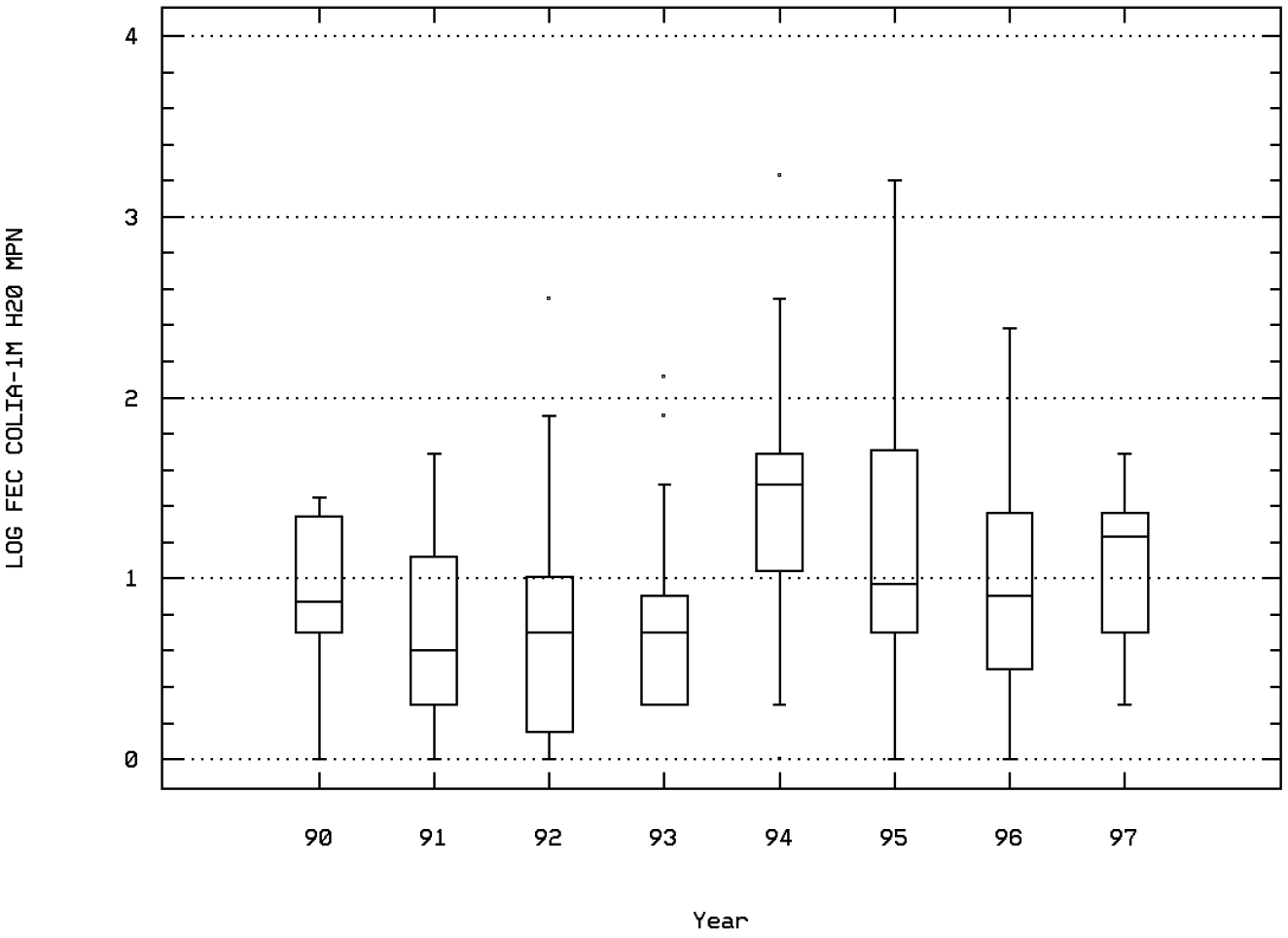
Marina south of SR 206 bridge



Marina south of SR 206 bridge

Station: FOMA0040 Parameter Code: 31621

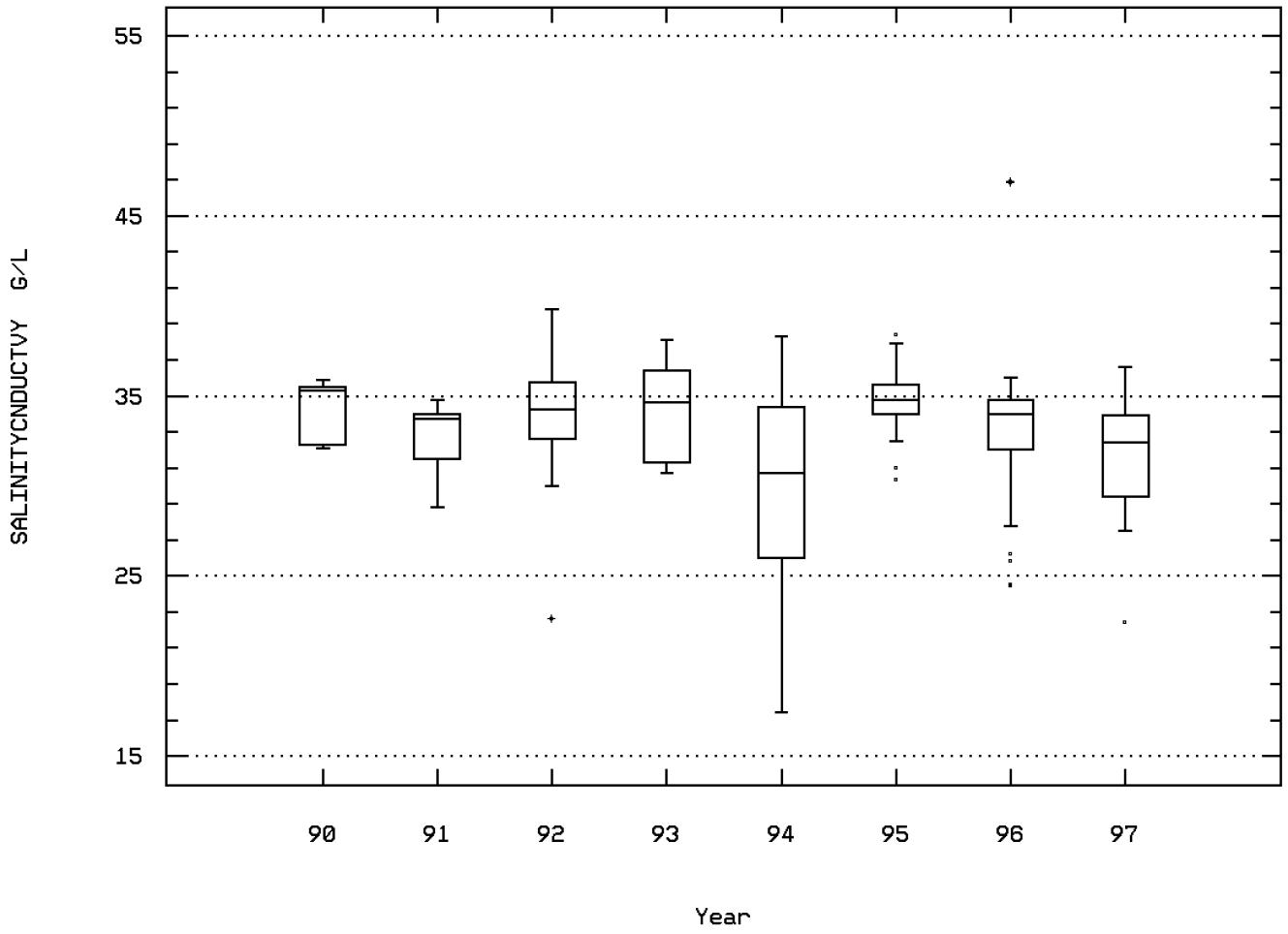
LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,



Marina south of SR 206 bridge

Station: FOMA0040 Parameter Code: 70305

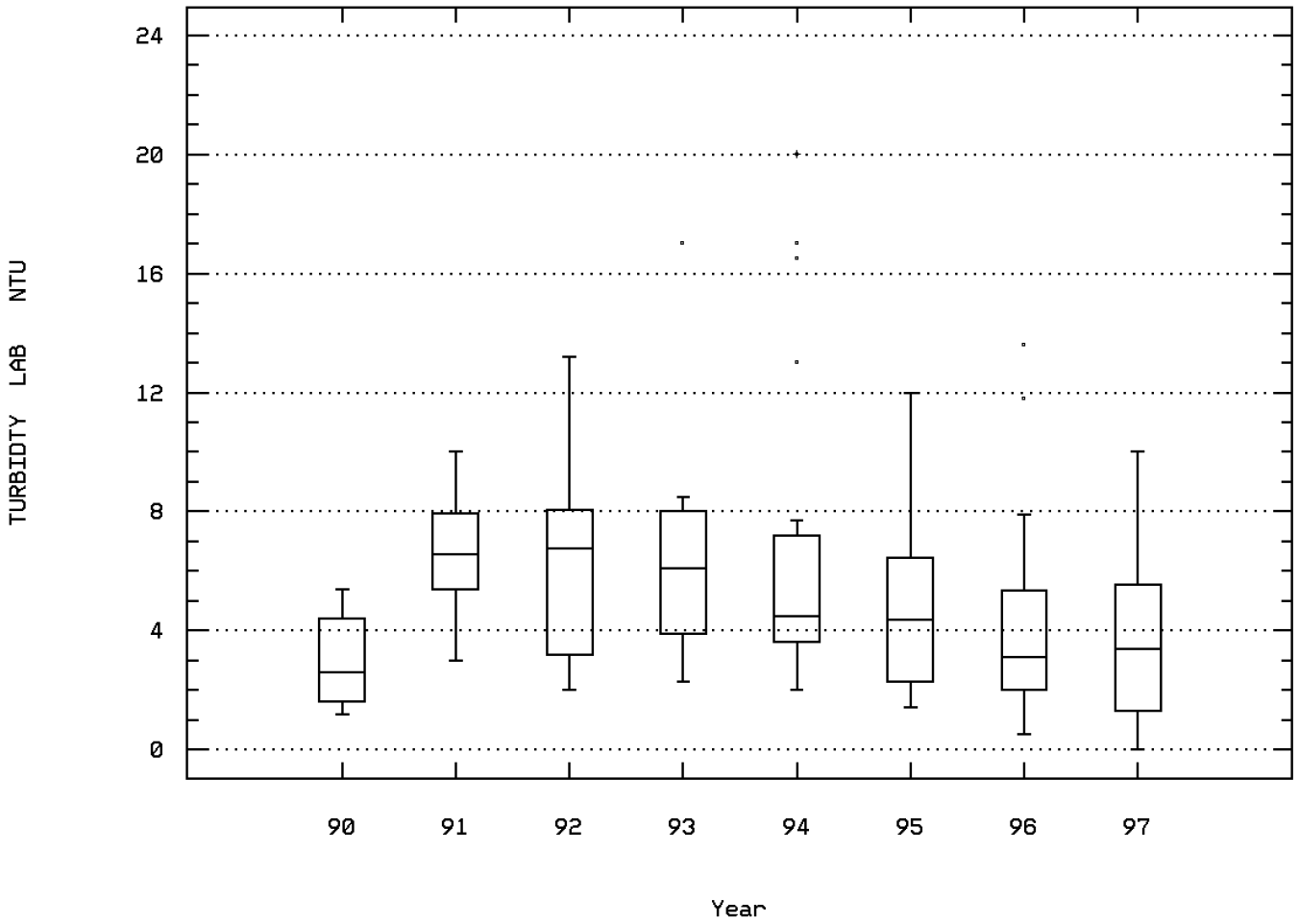
SALINITY BASED ON CONDUCTIVITY



Marina south of SR 206 bridge

Station: FOMA0040 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



Marina south of SR 206 bridge

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	36	22.	21.697	28.9	14.5	15.466	3.933	15.8	18.75	24.6	27.36
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	27	10.	10.111	25.	0.	41.872	6.471	2.4	5.	15.	18.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	34	7.4	7.915	14.	4.6	4.721	2.173	5.3	6.3	9.25	11.1
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	27	8.	7.967	8.2	7.5	0.018	0.136	7.8	7.9	8.	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	27	8.	7.943	8.2	7.5	0.019	0.138	7.8	7.9	8.	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	27	0.01	0.011	0.032	0.006	0.	0.005	0.008	0.01	0.013	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	27	13.	37.333	350.	1.	4795.385	69.249	2.	7.	33.	89.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	27	1.114	1.183	2.544	0.	0.337	0.58	0.301	0.845	1.519	1.941
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			15.244								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	31	32.8	32.458	39.8	22.6	17.13	4.139	25.36	30.	35.3	38.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	41	3.	3.537	16.	0.	9.455	3.075	1.2	2.	4.	4.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	27	5.3	5.148	12.	2.	5.153	2.27	2.08	3.4	6.6	7.7

** - 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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	116	17.25	17.904	29.2	4.9	33.027	5.747	10.74	13.05	23.5	25.69
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	83	8.	9.012	30.	0.	31.89	5.647	3.4	5.	12.	16.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	91	8.3	8.188	15.6	2.1	4.623	2.15	5.52	6.3	9.8	10.58
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	83	8.1	8.025	8.4	7.4	0.026	0.161	7.84	8.	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	83	8.1	7.99	8.4	7.4	0.027	0.164	7.84	8.	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	83	0.008	0.01	0.04	0.004	0.	0.005	0.006	0.008	0.01	0.015
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	83	7.	43.398	1700.	1.	36045.633	189.857	1.	2.	33.	49.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	83	0.845	0.954	3.23	0.	0.45	0.671	0.	0.301	1.519	1.69
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.986								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	109	33.2	32.223	46.9	17.4	20.691	4.549	26.2	30.35	34.8	35.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	122	3.	3.689	22.	0.	10.53	3.245	1.	2.	4.	5.7
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	83	3.7	4.97	20.	0.	15.278	3.909	1.4	2.3	6.5	10.6

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

Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-06/30/97	50	28.1	27.572	31.3	22.	5.07	2.252	23.81	26.375	29.	30.09
00035	WIND VELOCITY (MILES PER HOUR)	01/23/90-06/30/97	40	5.	6.	25.	0.	23.128	4.809	0.	4.	8.	10.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-06/30/97	34	6.35	6.626	9.	4.5	1.49	1.221	5.3	5.6	7.425	8.75
00403	PH, LAB, STANDARD UNITS SU	01/23/90-06/30/97	40	8.1	8.037	8.3	7.6	0.029	0.169	7.8	8.	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-06/30/97	40	8.1	8.003	8.3	7.6	0.03	0.173	7.8	8.	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-06/30/97	40	0.008	0.01	0.025	0.005	0.	0.005	0.006	0.008	0.01	0.016
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/23/90-06/30/97	40	8.	67.175	1600.	1.	64888.969	254.733	1.	2.	23.	124.9
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/23/90-06/30/97	40	0.903	0.954	3.204	0.	0.582	0.763	0.	0.301	1.362	2.092
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.005								
70305	SALINITY BASED ON CONDUCTIVITY	01/23/90-06/30/97	48	34.2	34.165	38.9	25.8	7.637	2.764	30.68	32.975	35.6	38.1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	01/23/90-06/30/97	54	3.	3.407	11.	0.	5.944	2.438	1.	2.	4.	6.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-06/30/97	40	6.05	6.303	17.	1.4	11.388	3.375	2.21	4.4	7.9	11.8

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

Station Inventory for Station: FOMA0041

NPS Station ID: FOMA0041 | LAT/LON: 29.768588/ -81.259115 | Agency: 21FLA | Date Created: / /
Location: ICWW MARKER 60 N CRESCENT BCH BR | FIPS State/County: 12109 FLORIDA/ST JOHNS
Station Type: /TYPA/AMBNT/ESTURY/BIO | STORET Station ID(s): 27010097
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 03080201 | Depth of Water: 0 | Aquifer:
Major Basin: SOUTH-EAST | Elevation: 0 | Water Body Id:
Minor Basin: FLORIDA EAST COAST | ECO Region:
RF1 Index: 03080201003 | RF1 Mile Point: 7.040 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 03080201207700.00 | RF3 Mile Point: 2.82 | Distance from RF3: 0.06 | On/Off RF3:
Description:
SEGMENT 27.1AA BODY OF WATER: INTRACOASTAL WATERWAY MARKER #60 JUST NORTH OF CRESCENT BEACH BRIDGE.
INTRACOASTAL WATERWAY AT MARKER #60 JUST NORTH OF CRESCENT BEACH BRIDGE

Parameter Inventory for Station: FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	159	22.5	21.892	31.	8.5	32.661	5.715	13.5	17.6	27.	29.
00055p	VELOCITY, STREAM FT/SEC	06/08/76-09/14/98	60	1.	0.936	3.	0.	0.35	0.591	0.21	0.5	1.	1.68
00064	DEPTH OF STREAM, MEAN (FT)	03/12/79-03/12/79	1	18.1	18.1	18.1	18.1	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/28/71-10/13/75	35	8.5	9.763	76.	2.7	141.973	11.915	3.5	4.7	10.6	12.2
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/14/75-09/14/98	121	6.	6.539	28.	0.4	16.896	4.111	2.56	3.9	8.05	11.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	10/03/73-10/13/75	2	13.	13.	24.	2.	242.	15.556	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/12/76-09/14/98	111	1.05	1.143	3.	0.3	0.212	0.461	0.7	0.8	1.3	1.872
00080	COLOR (PLATINUM-COBALT UNITS)	01/28/71-10/13/75	31	30.	30.484	80.	5.	402.258	20.056	10.	15.	40.	60.
00081p	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/14/75-09/14/98	119	20.	25.504	100.	0.	277.71	16.665	10.	15.	30.	40.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/75-09/14/98	79	41000.	41079.747	53600.	20800.	63718046.089	7982.358	30800.	36000.	49000.	50400.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-09/14/98	136	41000.	40697.779	53000.	3800.	40484419.995	6362.737	34000.	37000.	44800.	48258.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/76-09/14/98	50	6.5	6.744	10.6	4.1	2.435	1.561	4.8	5.6	8.125	8.78
00300p	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	145	6.7	6.819	10.3	2.5	1.721	1.312	5.2	5.9	7.85	8.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-09/14/98	129	1.1	1.324	4.9	0.05	0.965	0.982	0.4	0.7	1.6	2.6
00340	COD, .25N K2CR2O7 MG/L	01/28/71-04/08/74	13	265.	350.615	991.	34.	89960.923	299.935	43.2	120.	623.	858.6
00400p	PH (STANDARD UNITS)	01/28/71-09/14/98	120	7.8	7.724	8.53	6.3	0.118	0.343	7.4	7.6	7.9	8.009
00400p	CONVERTED PH (STANDARD UNITS)	01/28/71-09/14/98	120	7.8	7.52	8.53	6.3	0.16	0.399	7.4	7.6	7.9	8.009
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-09/14/98	120	0.016	0.03	0.501	0.003	0.003	0.055	0.01	0.013	0.025	0.04
00403p	PH, LAB, STANDARD UNITS SU	04/27/71-09/14/98	130	7.9	7.873	8.2	7.	0.031	0.177	7.6	7.8	8.	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/27/71-09/14/98	130	7.9	7.829	8.2	7.	0.033	0.183	7.6	7.8	8.	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/71-09/14/98	130	0.013	0.015	0.1	0.006	0.	0.01	0.008	0.01	0.016	0.025
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-09/14/98	71	120.	115.028	295.	15.	1350.199	36.745	82.	113.	128.	136.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/23/71-09/19/77	44	14.	15.795	94.	0.	282.073	16.795	0.	7.	18.75	31.
00480p	SALINITY - PARTS PER THOUSAND	05/05/81-09/14/98	46	33.	31.335	39.	19.	23.317	4.829	24.4	27.75	35.	36.3
00500	RESIDUE, TOTAL (MG/L)	01/28/71-04/24/78	38	40985.	40775.605	53560.	30850.	25627733.381	5062.384	34236.	37827.25	42657.5	50540.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-04/24/78	38	6927.	7907.132	17840.	3340.	14449223.361	3801.213	3899.1	5155.5	8930.5	16755.
00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-04/24/78	38	33365.	33106.895	37440.	26050.	7559518.853	2749.458	29016.	31912.5	35087.5	36065.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/28/71-05/07/73	13	40860.	40412.308	50450.	30800.	33736185.897	5808.286	30800.	38265.	41620.	50450.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	145	34.	53.172	224.	0.	1907.533	43.675	12.	17.	88.	112.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	140	5.	10.286	75.	0.	158.407	12.586	2.	3.	14.	24.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	142	29.5	41.979	169.	0.	1228.531	35.05	10.	14.	62.5	94.4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/73-03/11/75	11	0.21	0.374	1.54	0.	0.263	0.513	0.	0.03	0.38	1.47
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	124	0.033	0.095	0.89	0.	0.02	0.143	0.005	0.01	0.11	0.285

** - Less than 9 observations ## - 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: FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/76-06/29/83	21	0.005	0.006	0.03	0.	0.	0.007	0.	0.001	0.01	0.017
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/26/76-04/26/76	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	78	0.02	0.073	1.2	0.	0.038	0.194	0.	0.003	0.063	0.151
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/74-06/03/98	116	0.507	0.647	2.78	0.005	0.271	0.52	0.12	0.321	0.793	1.376
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/19/77-06/03/98	73 ##	0.025	0.031	0.27	0.002	0.002	0.04	0.008	0.013	0.028	0.06
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/28/71-10/03/73	9	0.55	0.526	1.11	0.12	0.14	0.375	0.12	0.155	0.865	1.11
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/28/71-08/18/71	8	0.12	0.128	0.29	0.	0.011	0.106	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	143	0.078	0.116	0.98	0.	0.017	0.132	0.02	0.041	0.128	0.281
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/26/76-04/26/76	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/29/73-02/11/98	42	4.8	5.679	31.	0.	29.701	5.45	1.3	2.	6.125	13.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/71-01/08/75	17	6000.	5602.941	9000.	3300.	2935459.559	1713.318	3300.	3750.	6500.	8520.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/16/76-02/16/76	1	206.	206.	206.	206.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/29/73-08/16/76	7	62.	248.571	800.	27.	100062.619	316.327	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	10/29/73-02/16/76	4	40.5	317.5	1180.	9.	330985.667	575.314	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/14/75-08/16/76	3	1540.	1196.967	2040.	10.9	1117565.603	1057.15	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/06/74-08/16/76	5	146.	8339.65	25000.	22.25	137380975.113	11720.963	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/16/76-02/16/76	1	10400.	10400.	10400.	10400.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/16/76-02/16/76	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/06/74-08/16/76	5	30.	234.56	640.	1.	96353.068	310.408	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	68	19502.5	19280.544	38610.	10900.	10014759.058	3164.61	15867.	17977.5	20482.5	21001.3
00945	SULFATE, TOTAL (MG/L AS SO4)	10/29/73-05/14/91	23	2300.	2075.13	4000.	47.	1842407.391	1357.353	56.	178.	3132.	3852.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/11/75-10/13/75	2	1.3	1.3	1.5	1.1	0.08	0.283	**	**	**	**
00951p	FLUORIDE, TOTAL (MG/L AS F)	07/29/74-07/20/92	63	0.89	1.074	3.56	0.3	0.344	0.587	0.768	0.83	1.07	1.684
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/22/82-09/22/82	1 ##	1.005	1.005	1.005	1.005	0.	0.	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/10/73-03/22/76	4 ##	0.5	62.75	250.	0.	15583.417	124.834	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/29/73-10/04/83	25 ##	0.5	4.678	70.	0.	219.868	14.828	0.15	0.5	1.	13.8
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/14/75-09/22/82	2	0.161	0.161	0.32	0.002	0.051	0.225	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/22/82-09/22/82	1	13.4	13.4	13.4	13.4	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/16/80-10/04/83	3	120.	187.333	420.	22.	43001.333	207.368	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/10/73-01/12/76	3 ##	0.015	3.342	10.	0.01	33.25	5.766	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/29/73-10/04/83	25 ##	10.	58.2	550.	0.	16014.417	126.548	2.4	10.	25.	260.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/14/75-09/22/82	2	1.51	1.51	3.01	0.01	4.5	2.121	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	10/29/73-10/04/83	38	267.5	304.342	700.	1.	32652.447	180.7	50.	192.5	421.25	605.
01051	LEAD, TOTAL (UG/L AS PB)	10/29/73-10/04/83	26 ##	10.	26.308	250.	0.	3832.282	61.905	2.5	5.	11.	85.6
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/14/75-09/22/82	2	2.845	2.845	5.68	0.01	16.074	4.009	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/29/73-10/04/83	22	92.5	120.727	400.	50.	8825.922	93.946	50.	50.	137.5	292.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/14/75-09/22/82	2	7.775	7.775	15.5	0.05	119.351	10.925	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/14/75-09/22/82	2	4015.175	4015.175	8030.	0.35	32237639.561	5677.82	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/03/73-09/14/98	69	24.	68.355	350.	1.	9079.861	95.288	4.	8.	76.5	260.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/03/73-09/14/98	69	1.38	1.419	2.544	0.	0.432	0.658	0.602	0.903	1.873	2.415
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26.236								
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-04/04/95	115	22.	259.626	17000.	1.	2581886.692	1606.825	1.	2.	49.	280.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-04/04/95	115	1.342	1.247	4.23	0.	0.796	0.892	0.	0.301	1.69	2.447
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			17.65								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	02/06/89-01/21/92	8	4.	9.	30.	1.	113.929	10.674	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	02/06/89-01/21/92	8	0.54	0.651	1.477	0.	0.32	0.566	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			4.479								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-08/06/75	23	8.	27.391	330.	1.	4584.067	67.706	1.	1.	31.	49.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/20/72-08/06/75	23	0.903	0.863	2.519	0.	0.496	0.704	0.	0.	1.491	1.69
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			7.288								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	106	4.5	39.943	2300.	1.	51363.102	226.634	1.	1.	17.75	41.8
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	106	0.651	0.726	3.362	0.	0.503	0.709	0.	0.	1.248	1.62
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.316								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/92-09/14/98	22	4.	25.909	320.	0.5	4686.968	68.461	1.	1.875	23.	69.9
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/15/92-09/14/98	22	0.602	0.769	2.505	-0.301	0.473	0.688	0.	0.27	1.361	1.801
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.876								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	03/14/90-05/14/91	3 ##	1.	3.	7.	1.	12.	3.464	**	**	**	**
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	03/14/90-05/14/91	3 ##	0.	0.282	0.845	0.	0.238	0.488	**	**	**	**
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			1.913								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/06/89-10/10/89	4	93.5	250.	810.	3.	142639.333	377.676	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/06/89-10/10/89	4	1.909	1.801	2.908	0.477	1.038	1.019	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			63.235								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/03/73-06/16/82	5	1.62	3.89	14.32	0.001	35.693	5.974	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	01/16/80-03/14/90	37	3.02	3.521	13.8	0.	10.289	3.208	0.004	1.08	5.345	8.426
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
32230	CHLOROPHYLL A (MG/L)	10/03/73-10/03/73	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
32231	CHLOROPHYLL B (MG/L)	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
32232	CHLOROPHYLL C (MG/L)	10/03/73-10/03/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
34257	B-BHC-BETA DRY WGTBOTUG/KG	09/22/82-10/04/83	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	09/22/82-10/04/83	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	09/22/82-10/04/83	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	09/22/82-10/04/83	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39070	CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	09/22/82-10/04/83	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	09/22/82-10/04/83	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	09/22/82-10/04/83	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	09/22/82-10/04/83	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	09/22/82-10/04/83	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/22/82-10/04/83	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39581	GUTHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	09/22/82-10/04/83	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
46530	SEDIMENT PARTICLE SIZE FRAC.-.5-2.0MM,%DRY WT	05/16/84-11/04/85	3	19.2	21.8	42.04	4.16	363.794	19.073	**	**	**	**
46531	SEDIMENT PARTICLE SIZE FRAC.-.125-.5MM,%DRY WGT	05/16/84-11/04/85	3	62.44	51.78	67.62	25.28	533.396	23.095	**	**	**	**
48201	FECAL COLIFORM MPN & MEMBRANE FILTER, 44.5C	10/03/73-06/14/78	37	5.	19.622	330.	1.	2932.964	54.157	1.	1.	15.5	36.2
48201	LOG FECAL COLIFORM MPN & MEMBRANE FILTER, 44.5C	10/03/73-06/14/78	37	0.699	0.743	2.519	0.	0.42	0.648	0.	0.	1.188	1.553
48201	GM FECAL COLIFORM MPN & MEMBRANE FILTER, 44.5C	GEOMETRIC MEAN =			5.534								
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	81	0.035	0.038	0.14	0.	0.001	0.03	0.	0.019	0.05	0.08
71488	MACROINVERTEBRATES,BENTHIC,TOTAL NO/M2	11/14/90-11/14/90	1	782.	782.	782.	782.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/28/71-07/29/71	6	0.075	0.073	0.1	0.04	0.001	0.025	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/12/76-03/22/76	3	0.07	0.068	0.12	0.015	0.003	0.053	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	02/13/78-10/04/83	2 ##	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/22/82-09/22/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
72016p	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/17/77-09/14/98	93	15.	14.482	30.	2.	43.718	6.612	5.	10.	20.	22.18
80096	SEDIMENT PRCTL.SIZE CLASS ORGANIC MATTER %DRYWT	05/16/84-11/04/85	3	1.28	1.653	3.24	0.44	2.065	1.437	**	**	**	**
80250	SEDIMENT PARTICLE SIZE FRACT.<.0625MM % DRY WEIGHT	05/16/84-11/04/85	3	6.86	6.833	11.44	2.2	21.345	4.62	**	**	**	**
80251	SEDIMENT PRCTL.SIZE CLASS.06-.125MMV-FINESAND%DRWT	05/16/84-11/04/85	3	10.48	10.96	17.98	4.42	46.141	6.793	**	**	**	**
80256	SEDIMENT PRTCL.SIZE CLASS>2.0MM GRAVEL % DRY WT.	05/16/84-11/04/85	3	7.84	8.627	11.48	6.56	6.516	2.553	**	**	**	**
82246p	NATURAL SUBSTRATE,DIVERSITY INDEX	06/18/74-11/14/90	34	3.554	3.366	4.381	0.836	0.669	0.818	2.318	2.987	3.93	4.262

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

Parameter Inventory for Station: FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82247	NATURAL SUBSTRATE +/- DIVERSITY INDEX	06/18/74-04/13/78	9	0.217	0.229	0.322	0.1	0.006	0.076	0.1	0.171	0.308	0.322
82248	NATURAL SUBSTRATE,REDUNDANCY INDEX	06/18/74-04/13/78	9	0.14	0.319	0.813	0.108	0.066	0.256	0.108	0.117	0.503	0.813
82249	NATURAL SUBSTRATE,+/- REDUNDANCY INDEX	06/18/74-04/13/78	9	0.034	0.043	0.083	0.011	0.001	0.026	0.011	0.023	0.07	0.083
82250p	NATURAL SUBSTRATE - NUMBER OF SPECIES	06/18/74-11/14/90	33	22.	24.121	51.	8.	98.11	9.905	11.2	18.	31.	37.6
82251	ARTIFICIAL SUBSTRATE,DIVERSITY INDEX	12/03/74-06/11/75	2	2.84	2.84	2.846	2.834	0.	0.008	**	**	**	**
82252	ARTIFICIAL SUBSTRATE +/- DIVERSITY INDEX	12/03/74-06/11/75	2	0.128	0.128	0.221	0.035	0.017	0.132	**	**	**	**
82253	ARTIFICIAL SUBSTRATE,REDUNDANCY INDEX	12/03/74-06/11/75	2	0.166	0.166	0.172	0.159	0.	0.009	**	**	**	**
82254	ARTIFICIAL SUBSTRATE +/- REDUNDANCY INDEX	12/03/74-06/11/75	2	0.03	0.03	0.054	0.005	0.001	0.035	**	**	**	**
82255	ARTIFICIAL SUBTRATE #OF SPECIES INDEX	12/03/74-06/11/75	2	19.	19.	25.	13.	72.	8.485	**	**	**	**
82257	BIOTIC INDEX (SPECIES) INDEX	01/06/86-11/14/90	2	61.5	61.5	94.	29.	2112.5	45.962	**	**	**	**

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

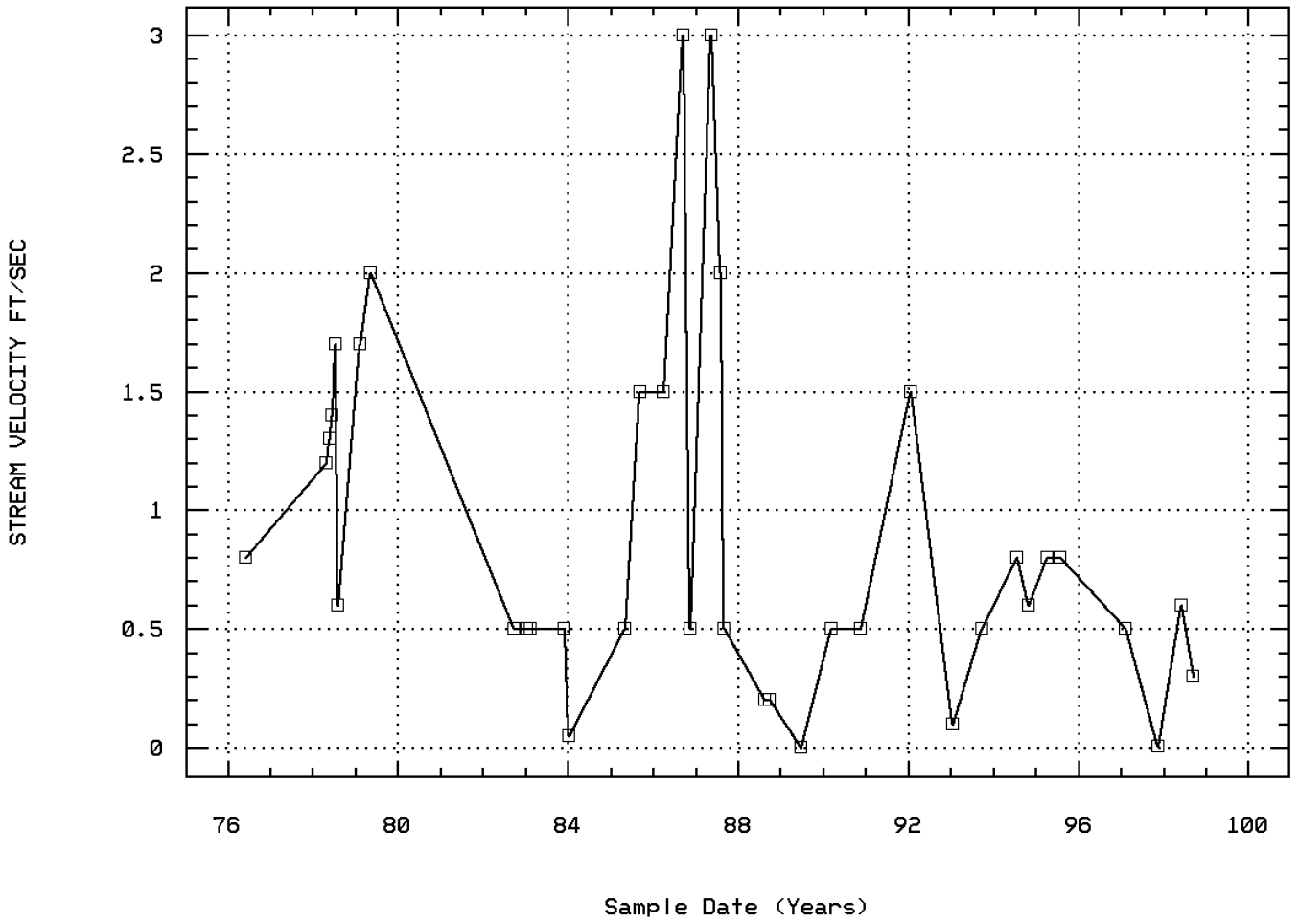
EPA Water Quality Criteria Analysis for Station: FOMA0041

				Total	Exceed	Prop.	----------9/15-11/14----------			----------11/15-6/14----------			----------6/15-9/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	35	1	0.03	5	0	0.00	22	1	0.05	8	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	121	0	0.00	20	0	0.00	71	0	0.00	30	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	50	0	0.00	9	0	0.00	25	0	0.00	16	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	145	2	0.01	25	0	0.00	87	1	0.01	33	1	0.03			
00400	PH	Marine Chronic	8.5	120	1	0.01	22	0	0.00	68	1	0.01	30	0	0.00			
		Other-Lo Lim.	6.5	120	1	0.01	22	0	0.00	68	1	0.01	30	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	130	0	0.00	22	0	0.00	77	0	0.00	31	0	0.00			
		Other-Lo Lim.	6.5	130	0	0.00	22	0	0.00	77	0	0.00	31	0	0.00			
01026	CADMIUM, SUSPENDED	Marine Acute	43.	3 &	0	0.00				3	0	0.00						
01027	CADMIUM, TOTAL	Marine Acute	43.	25	1	0.04	4	0	0.00	16	0	0.00	5	1	0.20			
01040	COPPER, DISSOLVED	Marine Acute	2.9	3	1	0.33				3	1	0.33						
01042	COPPER, TOTAL	Marine Acute	2.9	9 &	7	0.78	1	1	1.00	5	4	0.80	3	2	0.67			
01051	LEAD, TOTAL	Marine Acute	220.	26	2	0.08	4	0	0.00	17	1	0.06	5	1	0.20			
01092	ZINC, TOTAL	Marine Acute	95.	21 &	10	0.48	4	3	0.75	13	4	0.31	4	3	0.75			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	69	0	0.00	14	0	0.00	43	0	0.00	12	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	115	6	0.05	17	0	0.00	68	5	0.07	30	1	0.03			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	23	1	0.04	5	0	0.00	14	0	0.00	4	1	0.25			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	106	3	0.03	17	0	0.00	63	2	0.03	26	1	0.04			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	22	1	0.05	6	0	0.00	12	1	0.08	4	0	0.00			
71900	MERCURY, TOTAL	Marine Acute	2.1	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: FOMA0041 Parameter Code: 00055

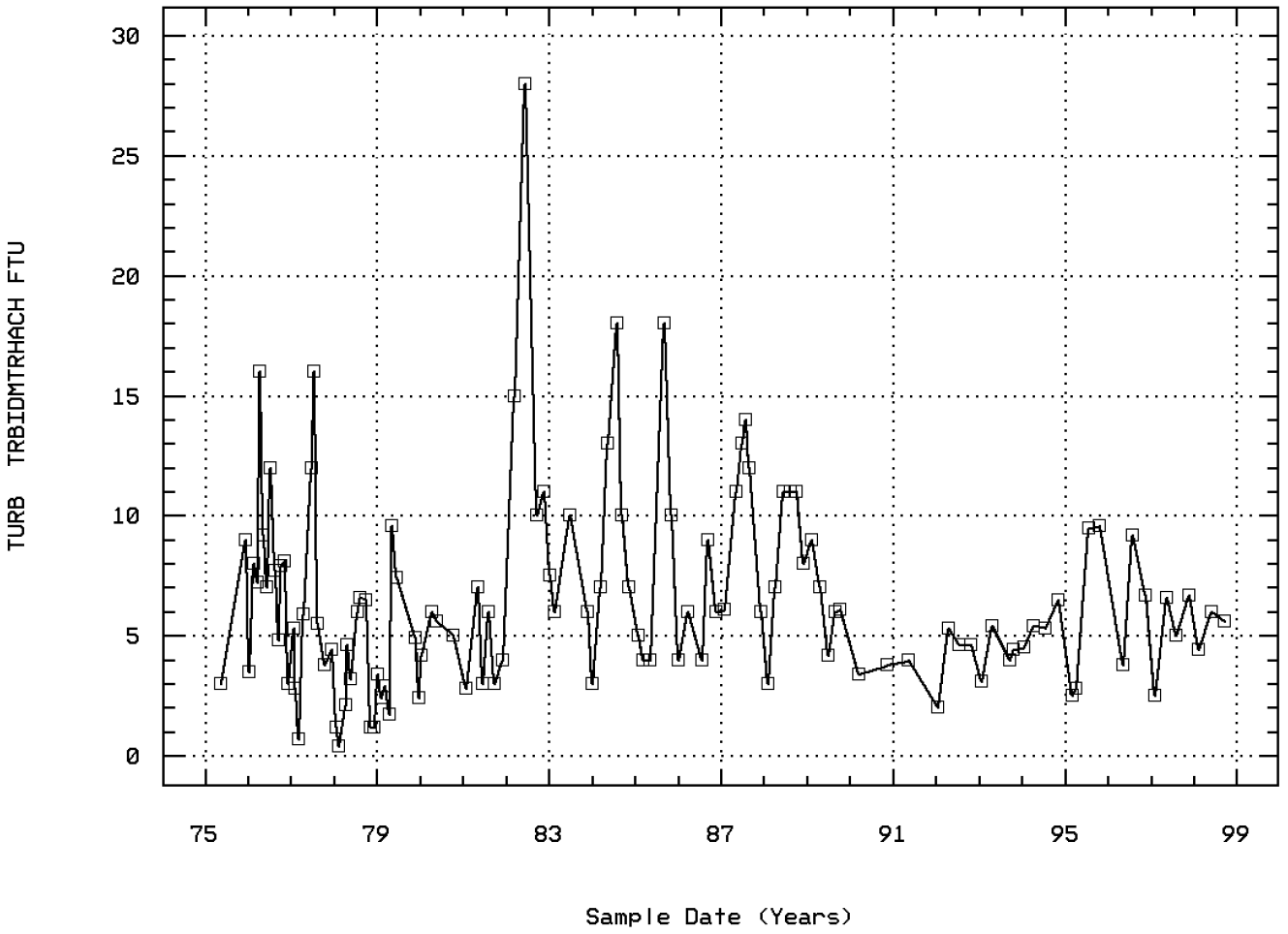
VELOCITY, STREAM



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00076

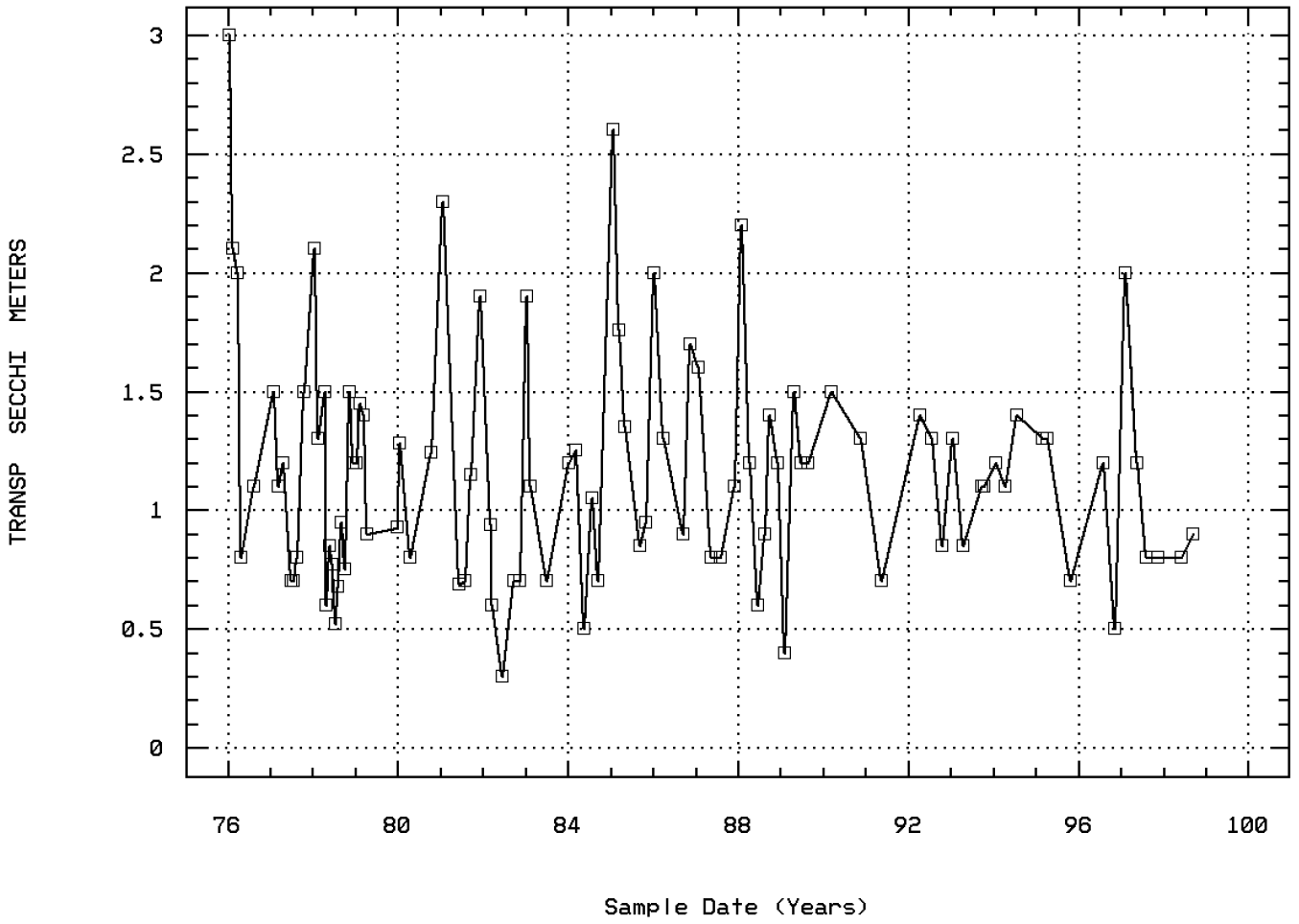
TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00078

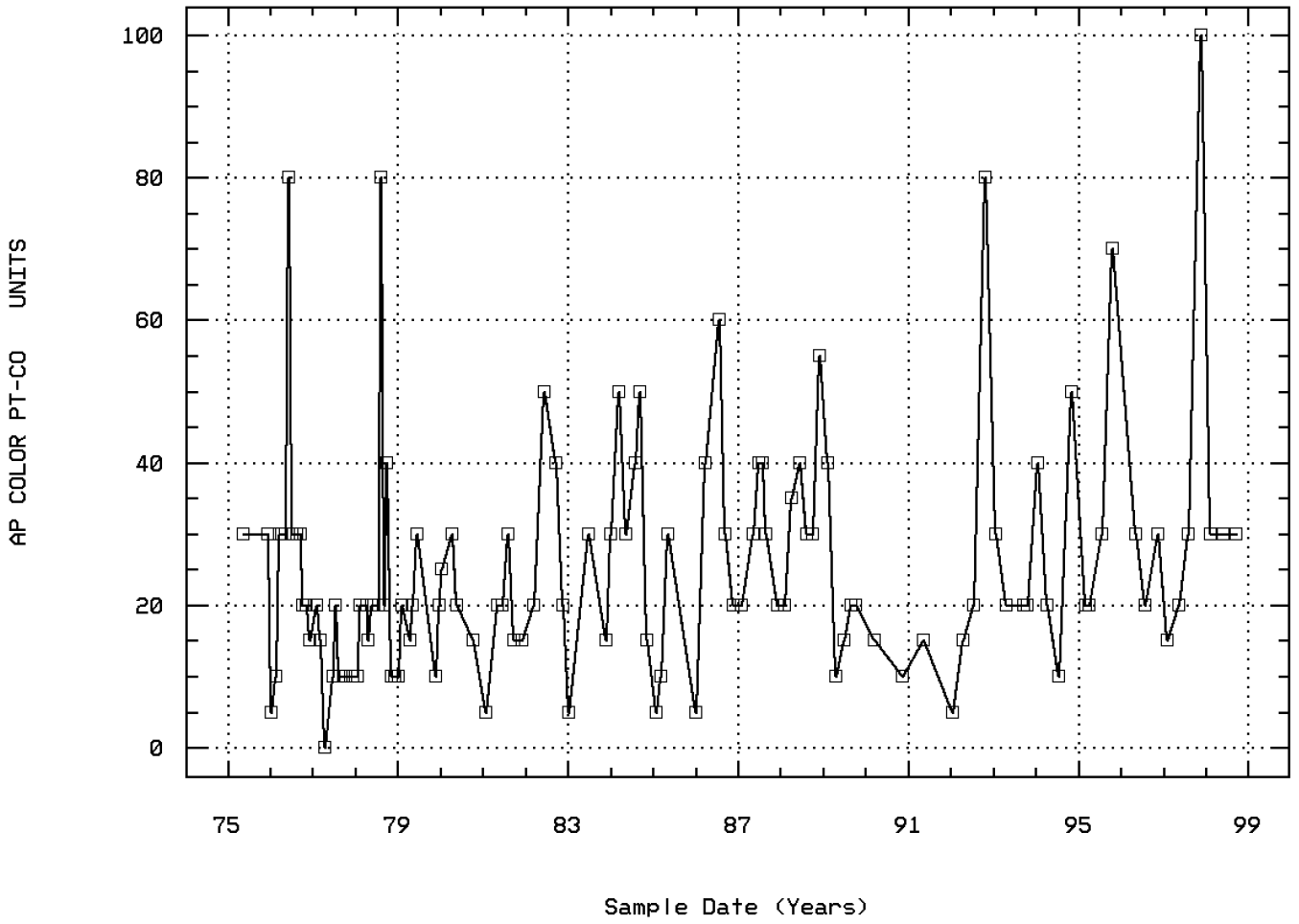
TRANSPARENCY, SECCHI DISC (METERS)



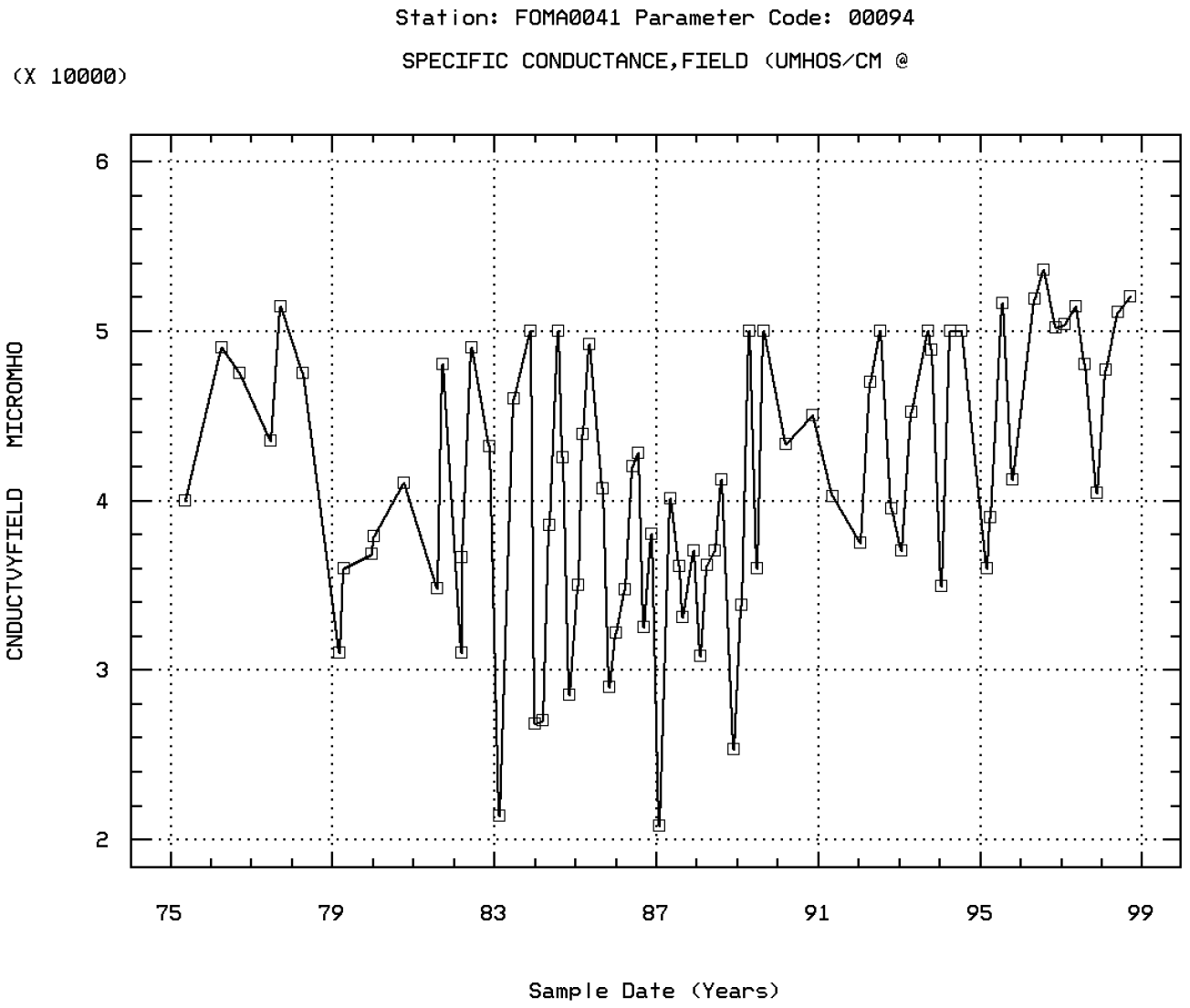
ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00081

COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-



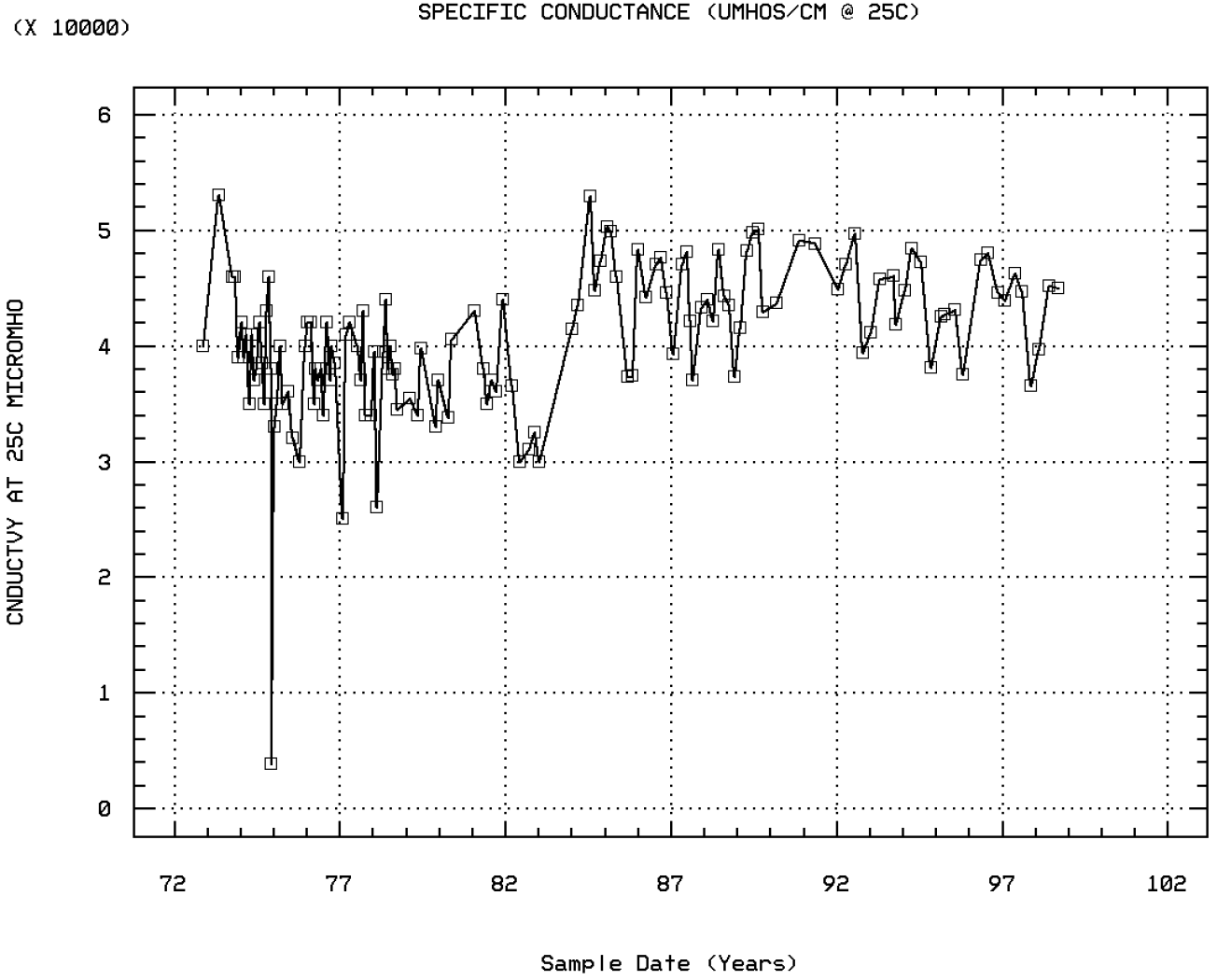
ICWW MARKER 60 N CRESCENT BCH BR



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00095

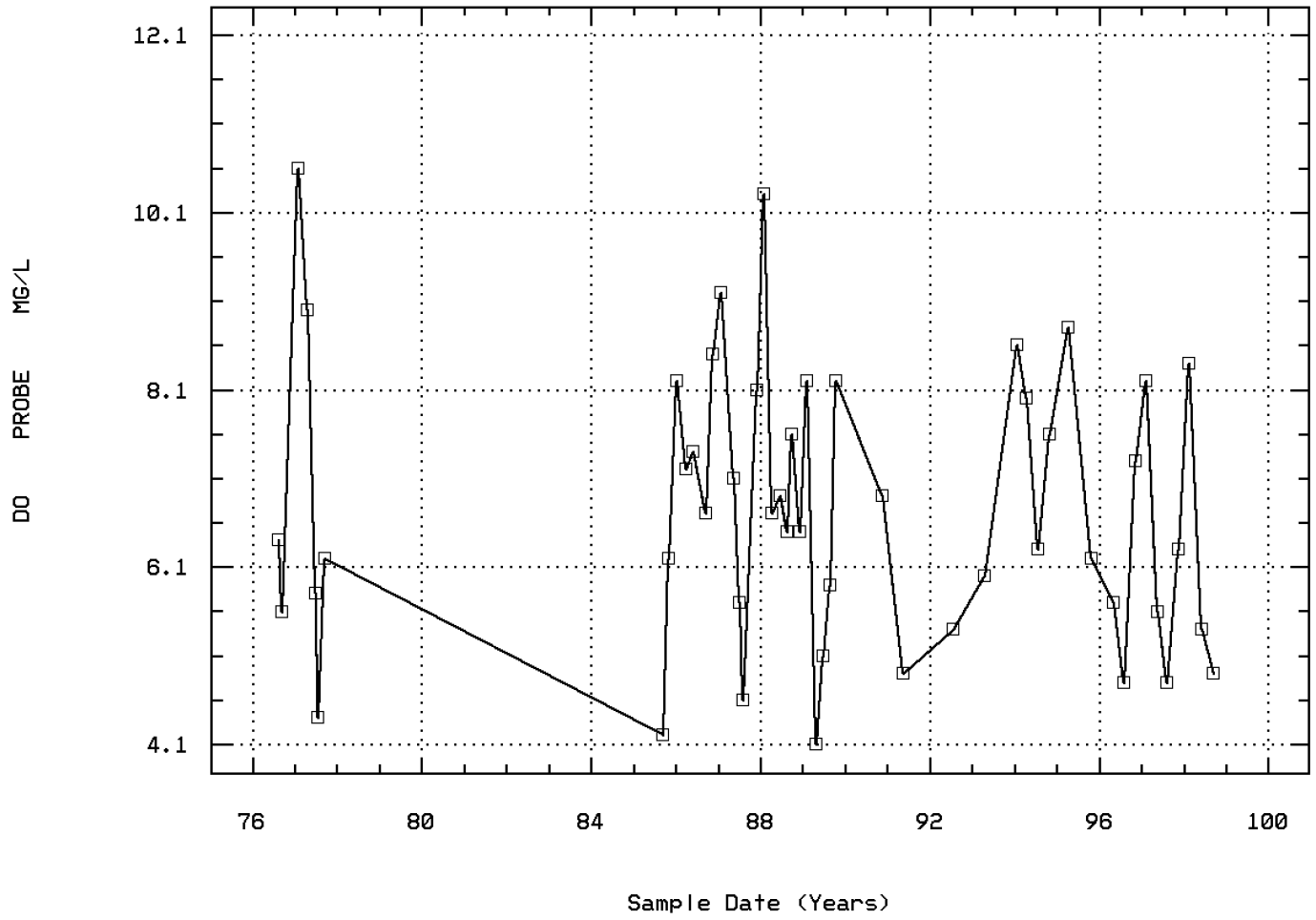
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00299

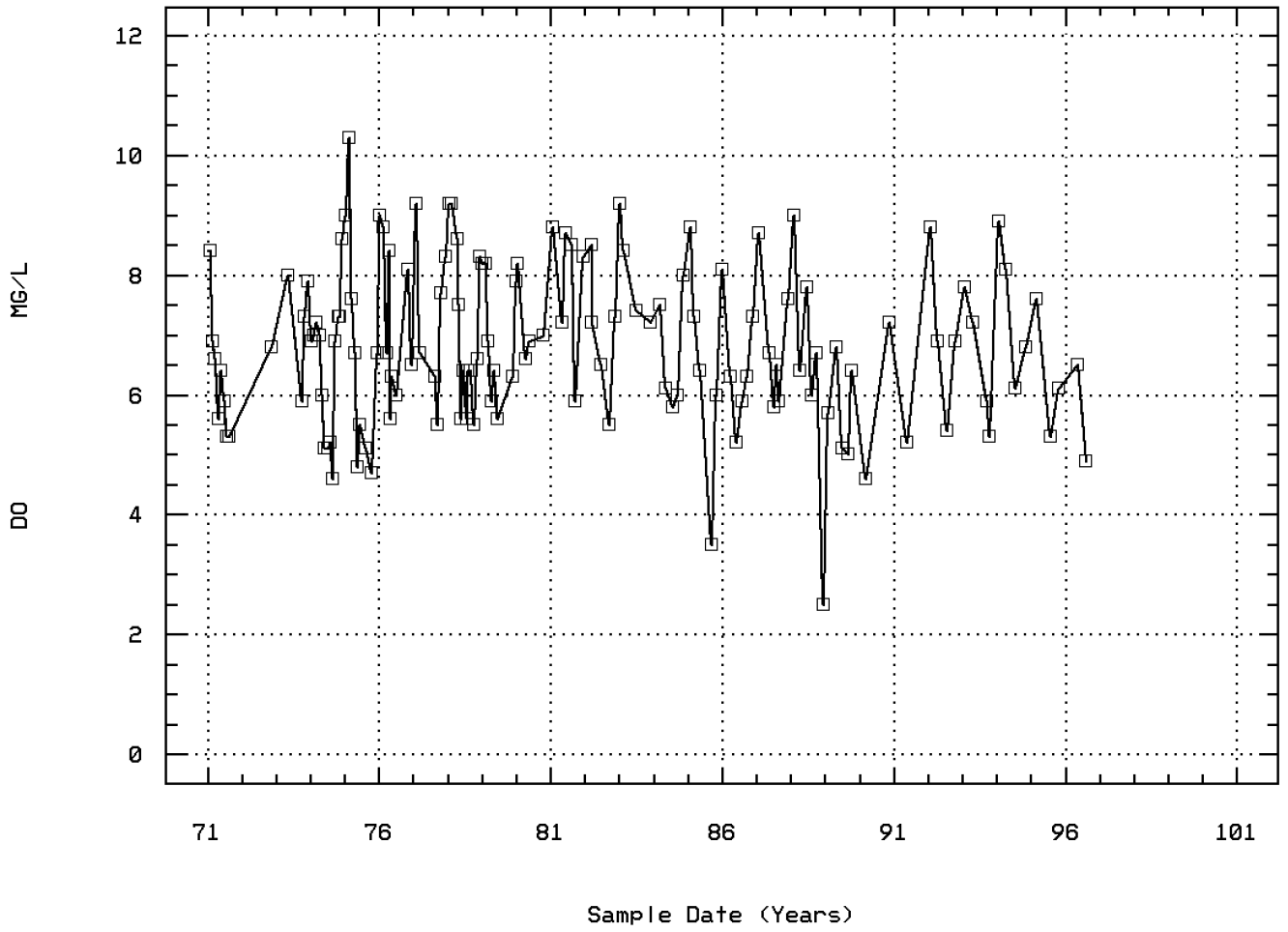
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00300

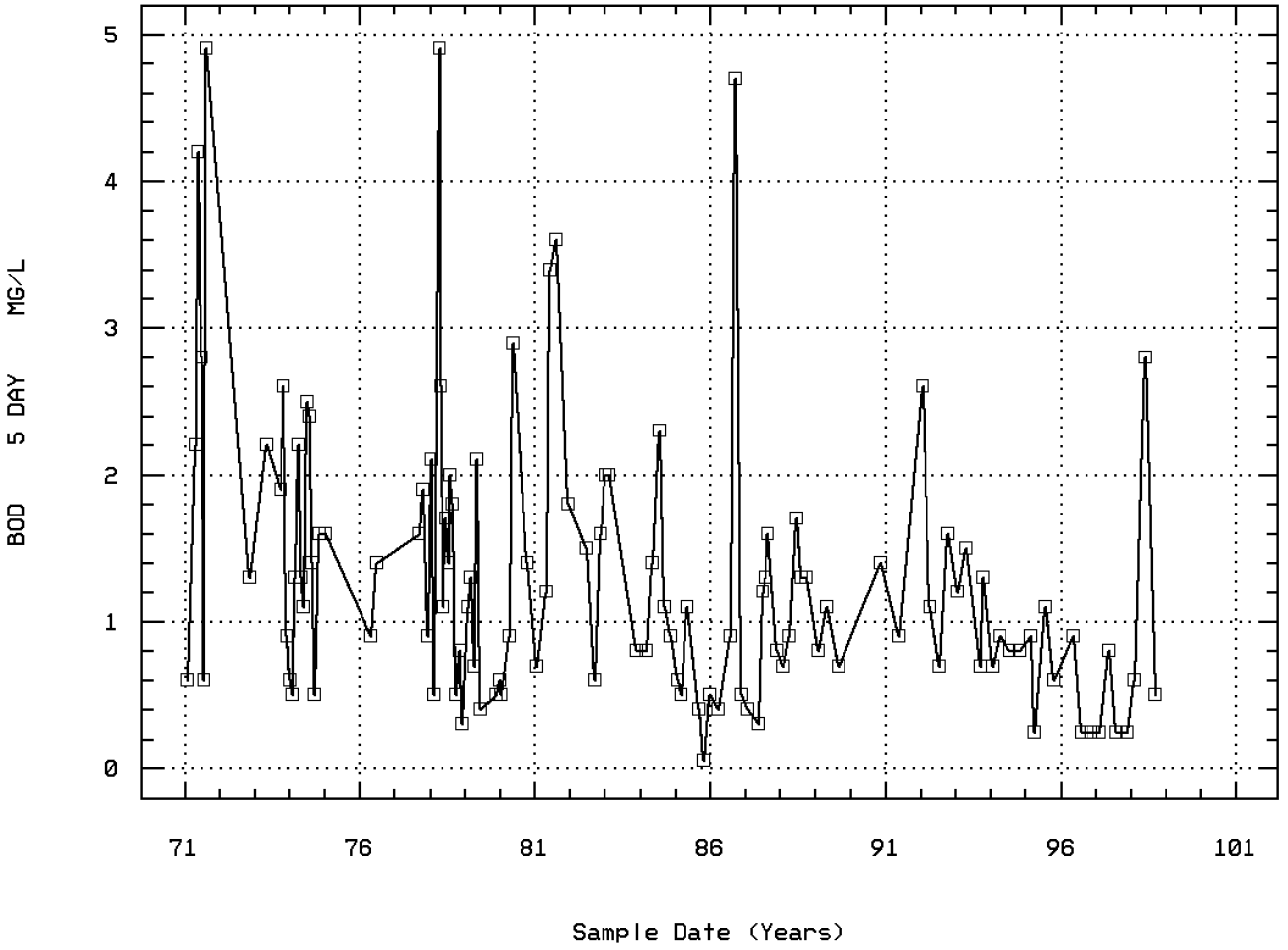
OXYGEN, DISSOLVED



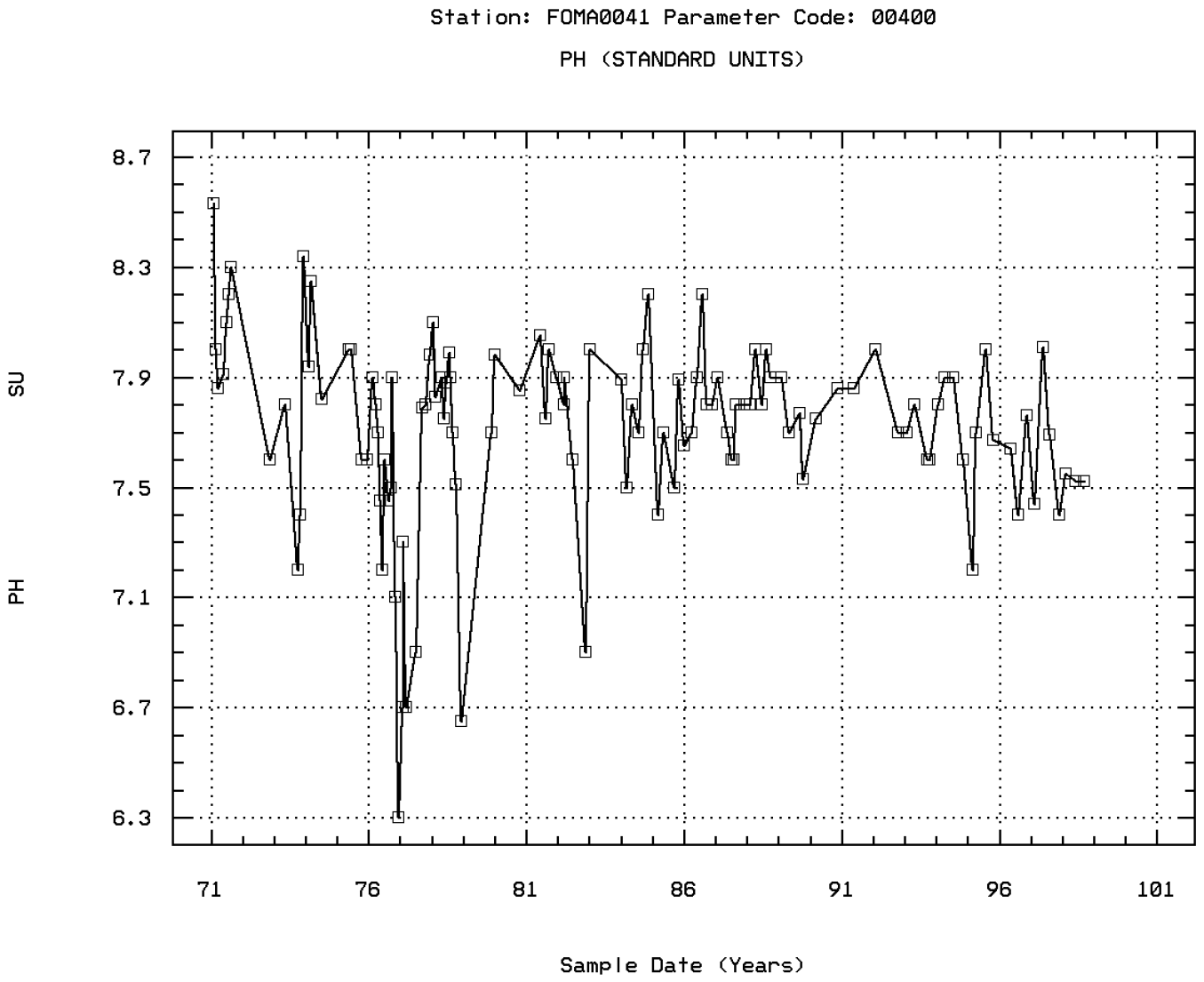
ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00310

BOD, 5 DAY, 20 DEG C



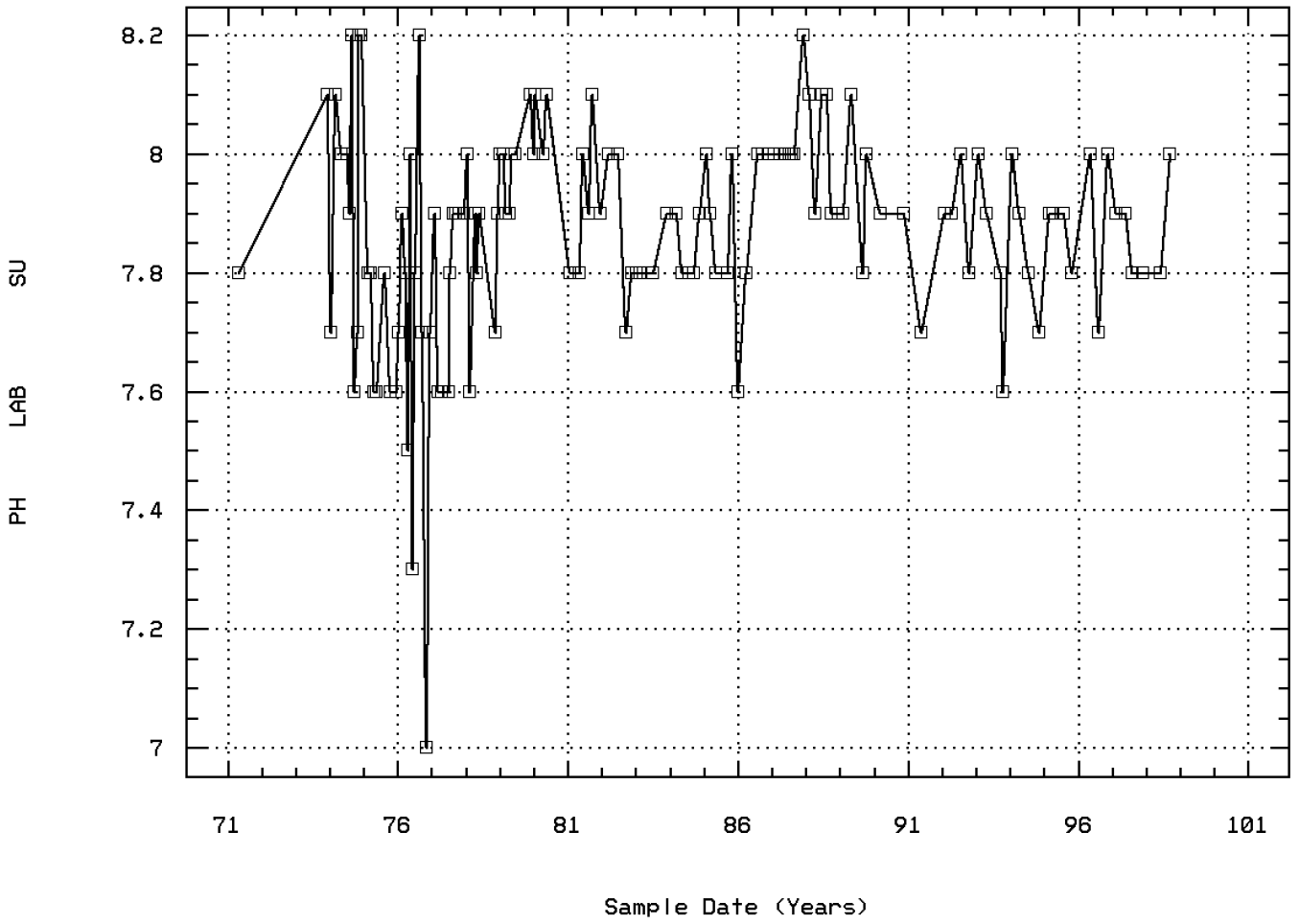
ICWW MARKER 60 N CRESCENT BCH BR



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00403

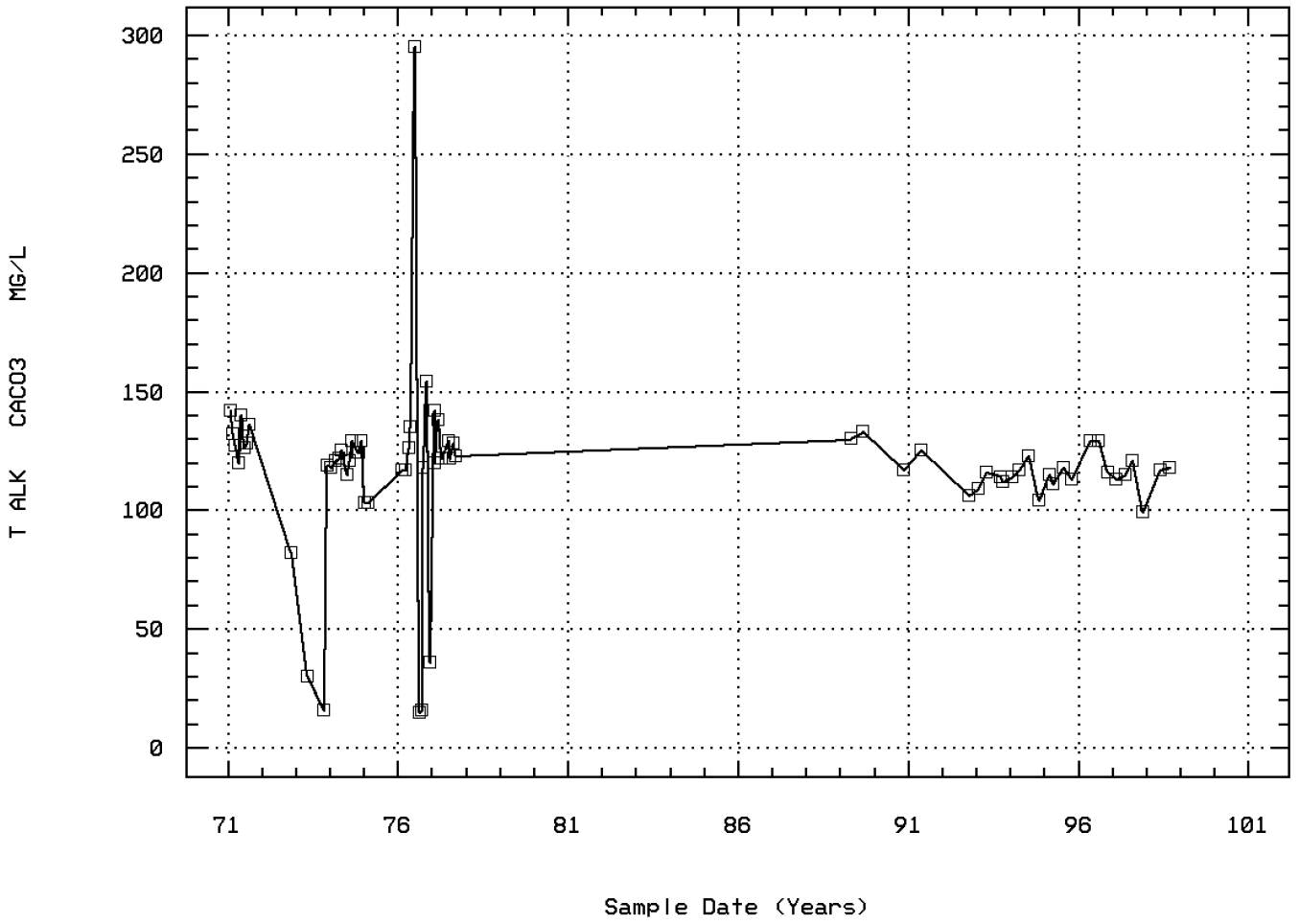
PH, LAB, STANDARD UNITS



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00410

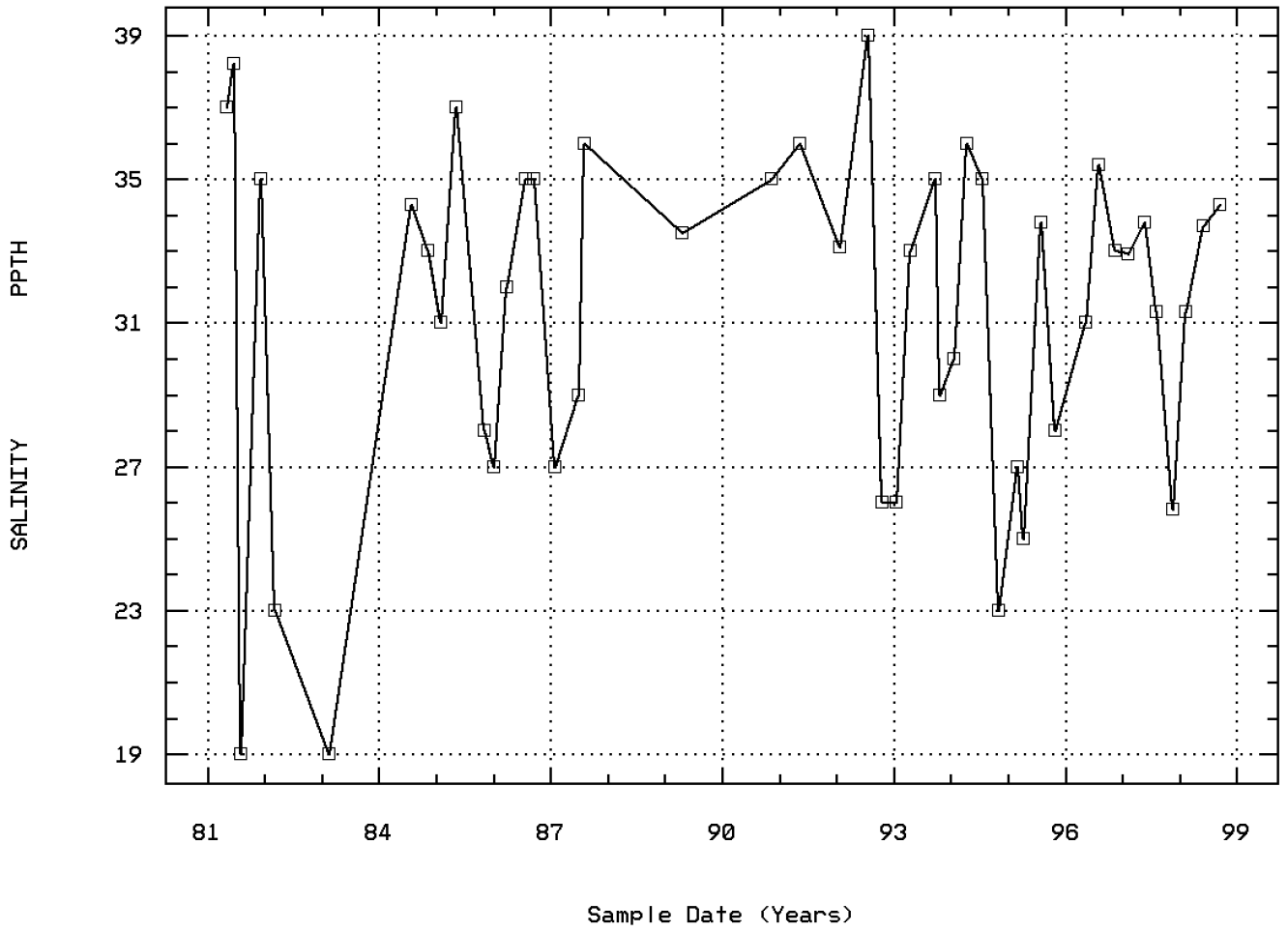
ALKALINITY, TOTAL (MG/L AS CACO3)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00480

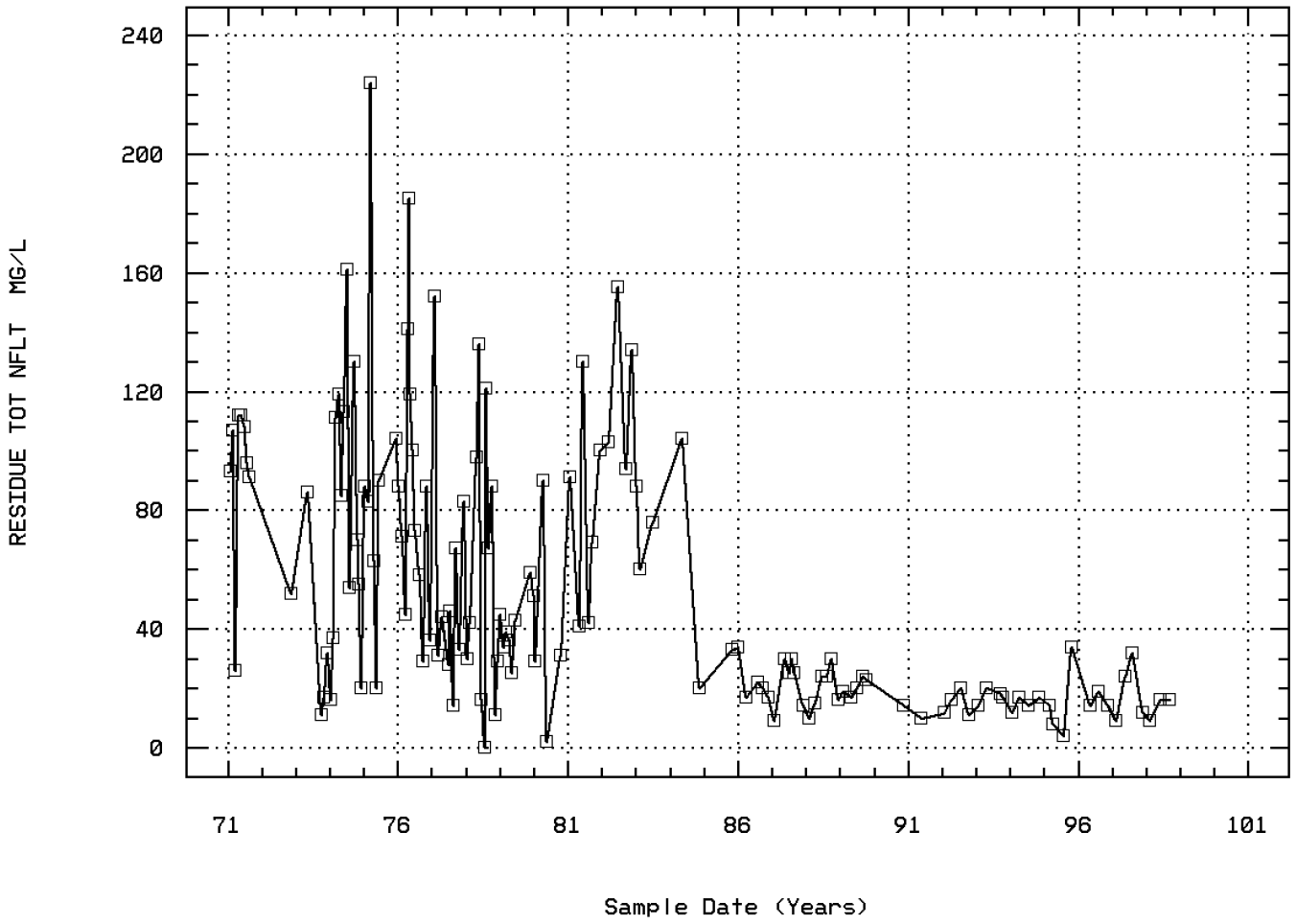
SALINITY - PARTS PER THOUSAND



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00530

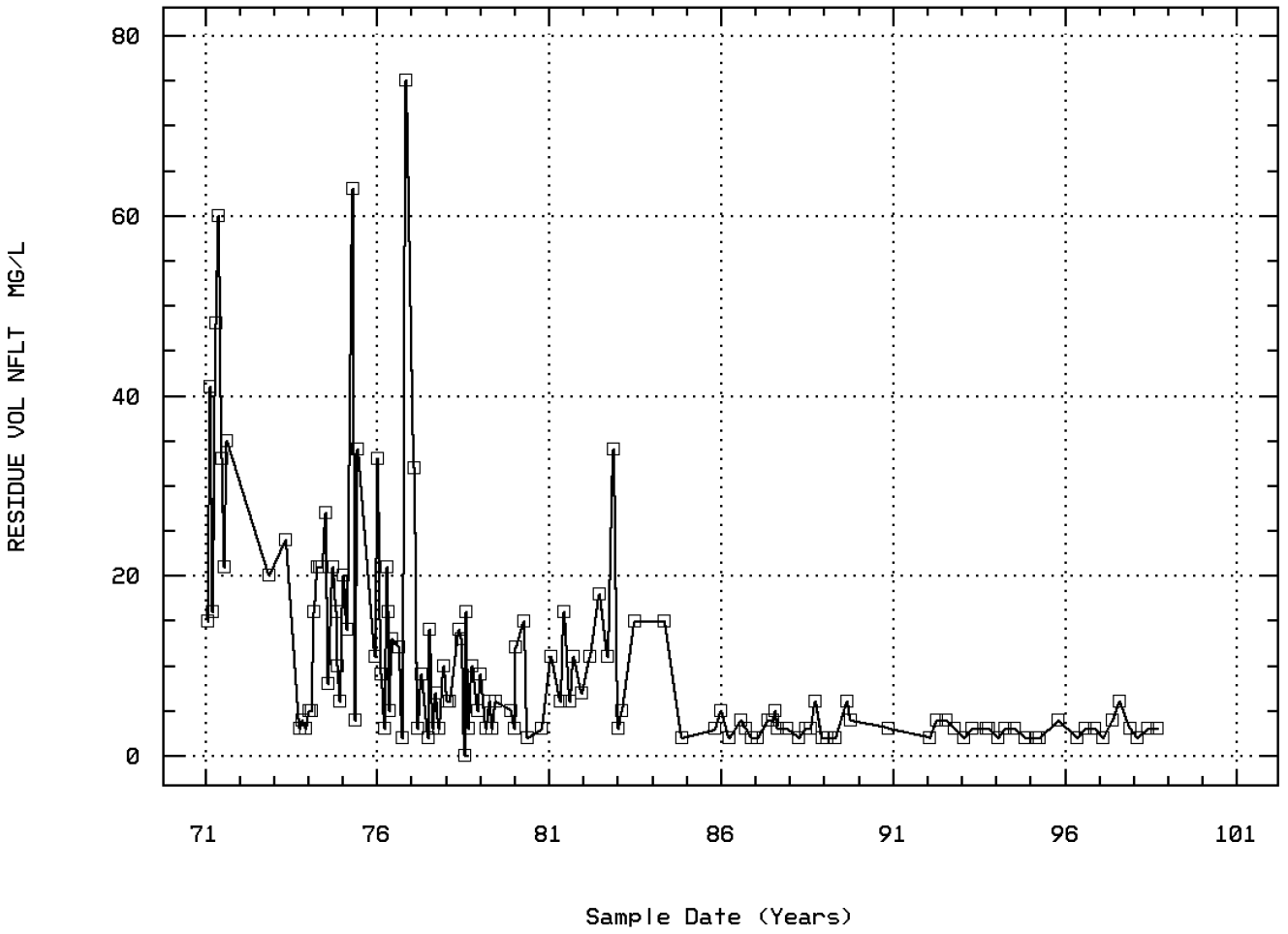
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00535

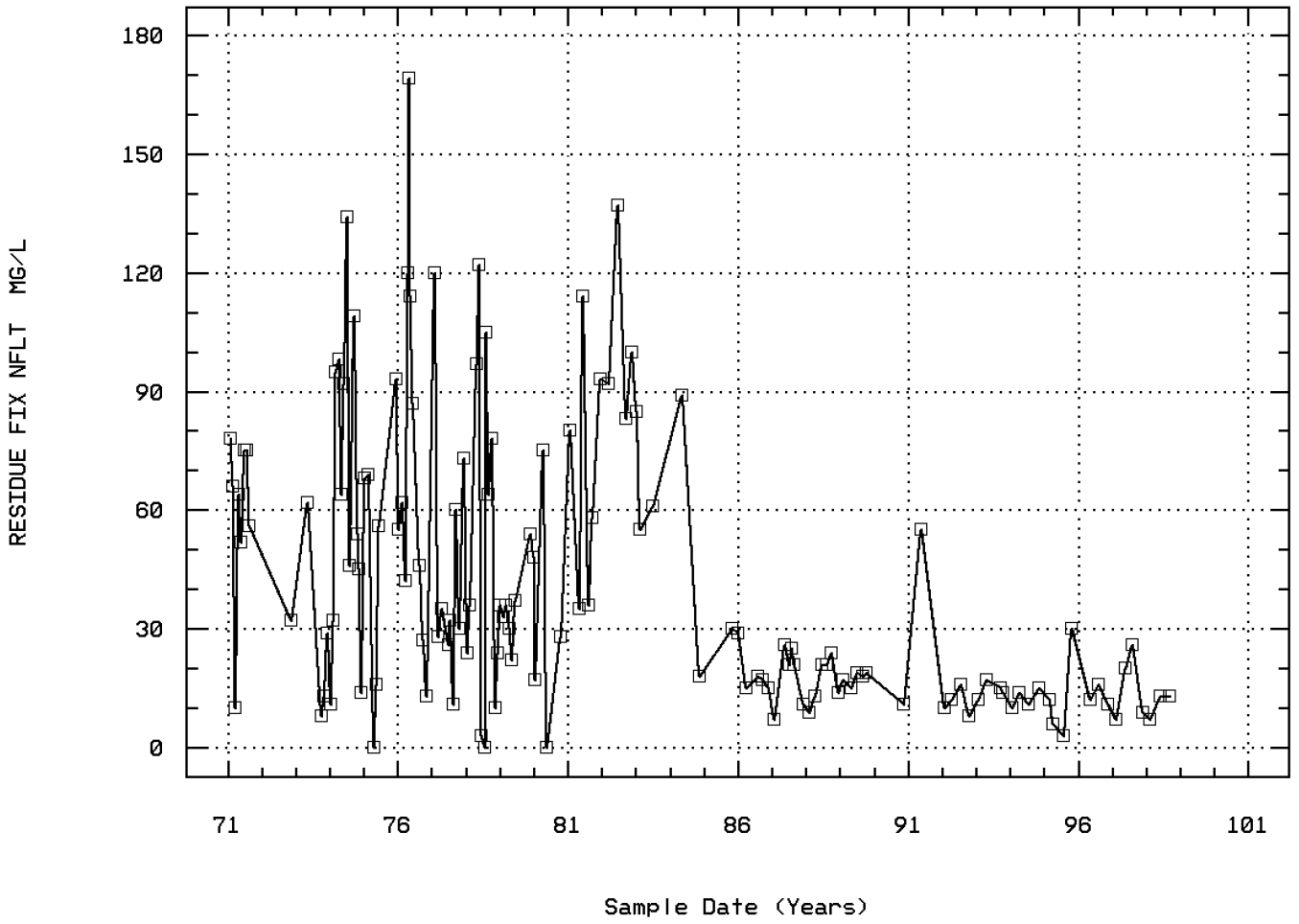
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00540

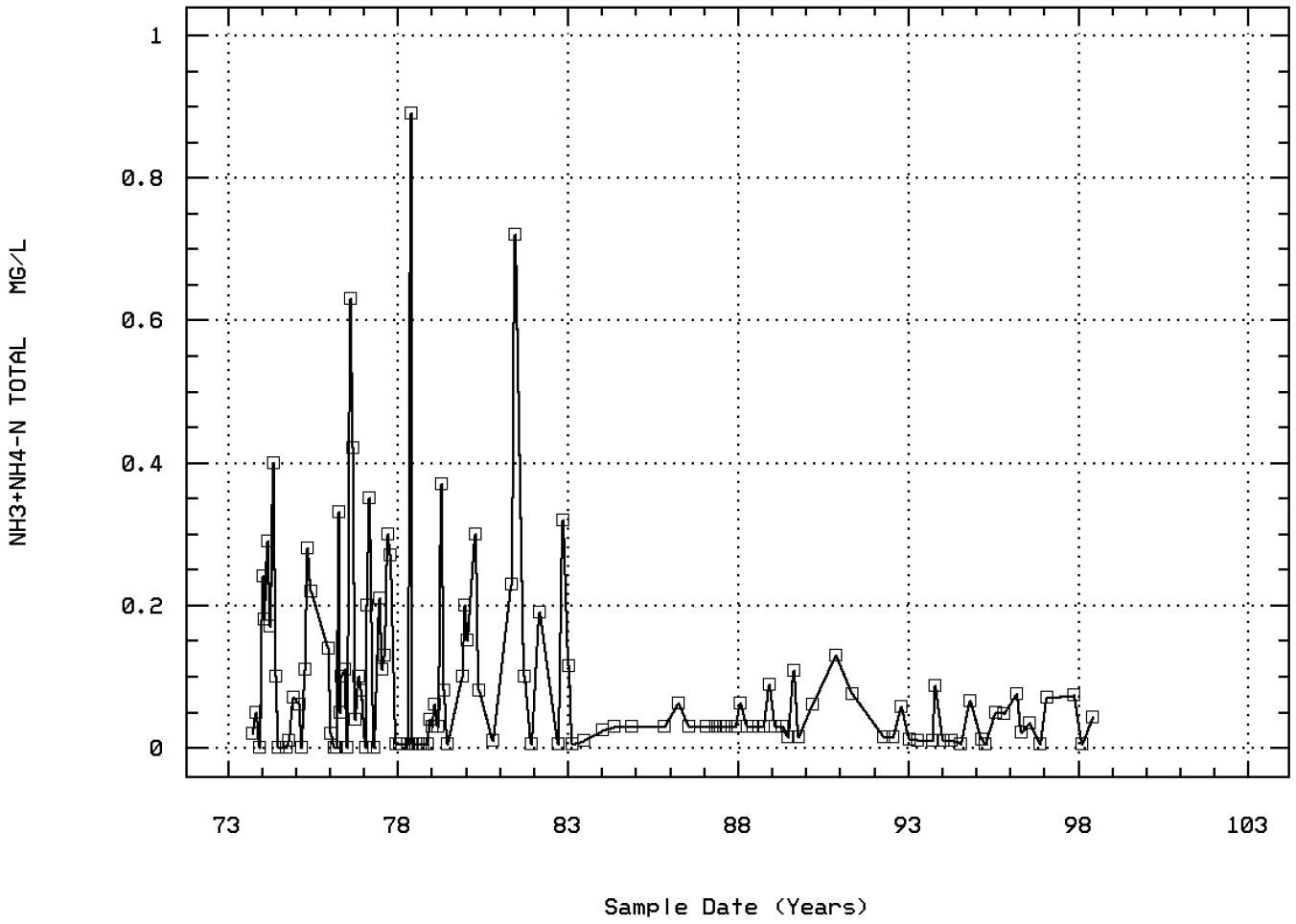
RESIDUE, FIXED NONFILTRABLE (MG/L)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00610

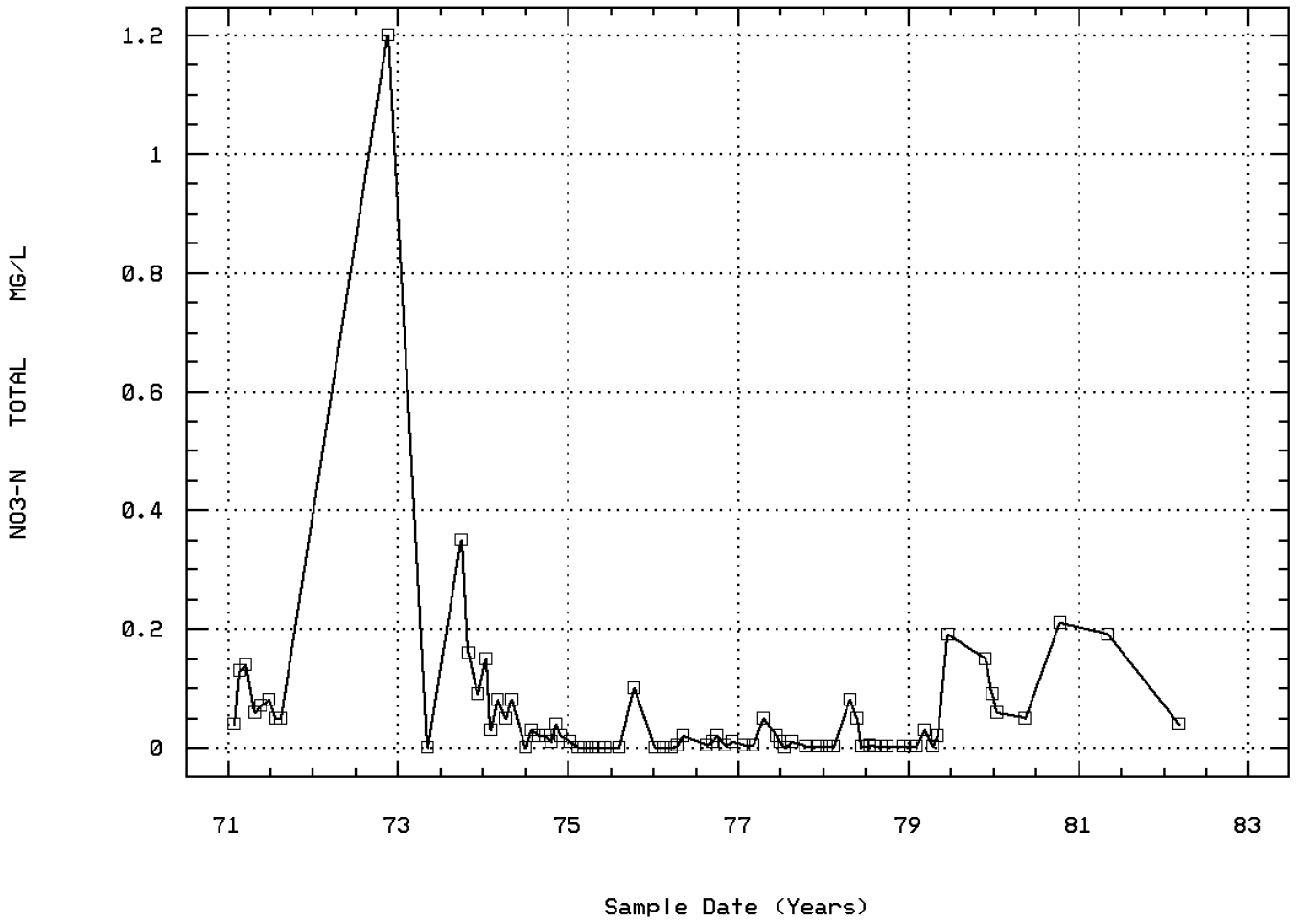
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



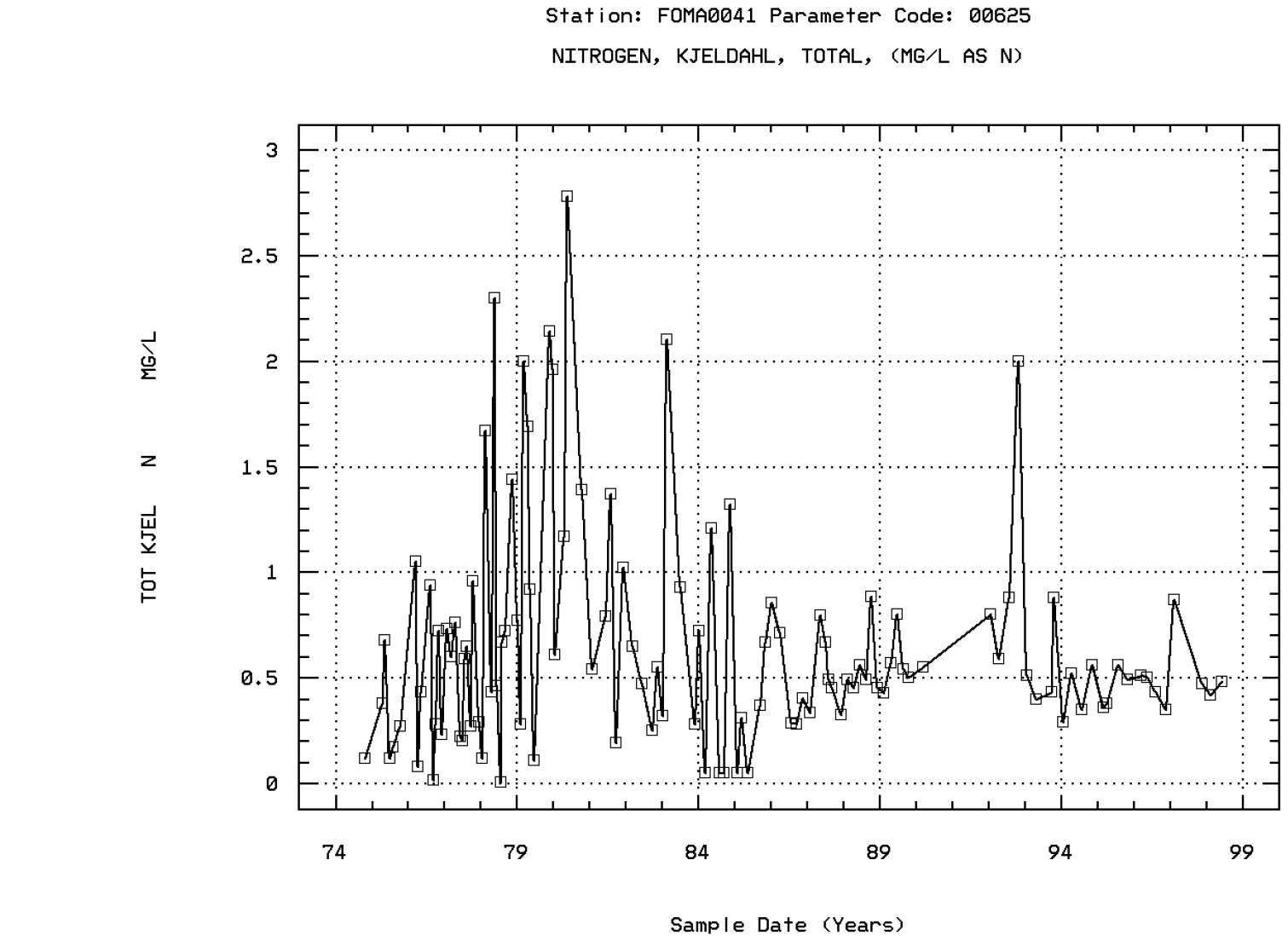
ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00620

NITRATE NITROGEN, TOTAL (MG/L AS N)



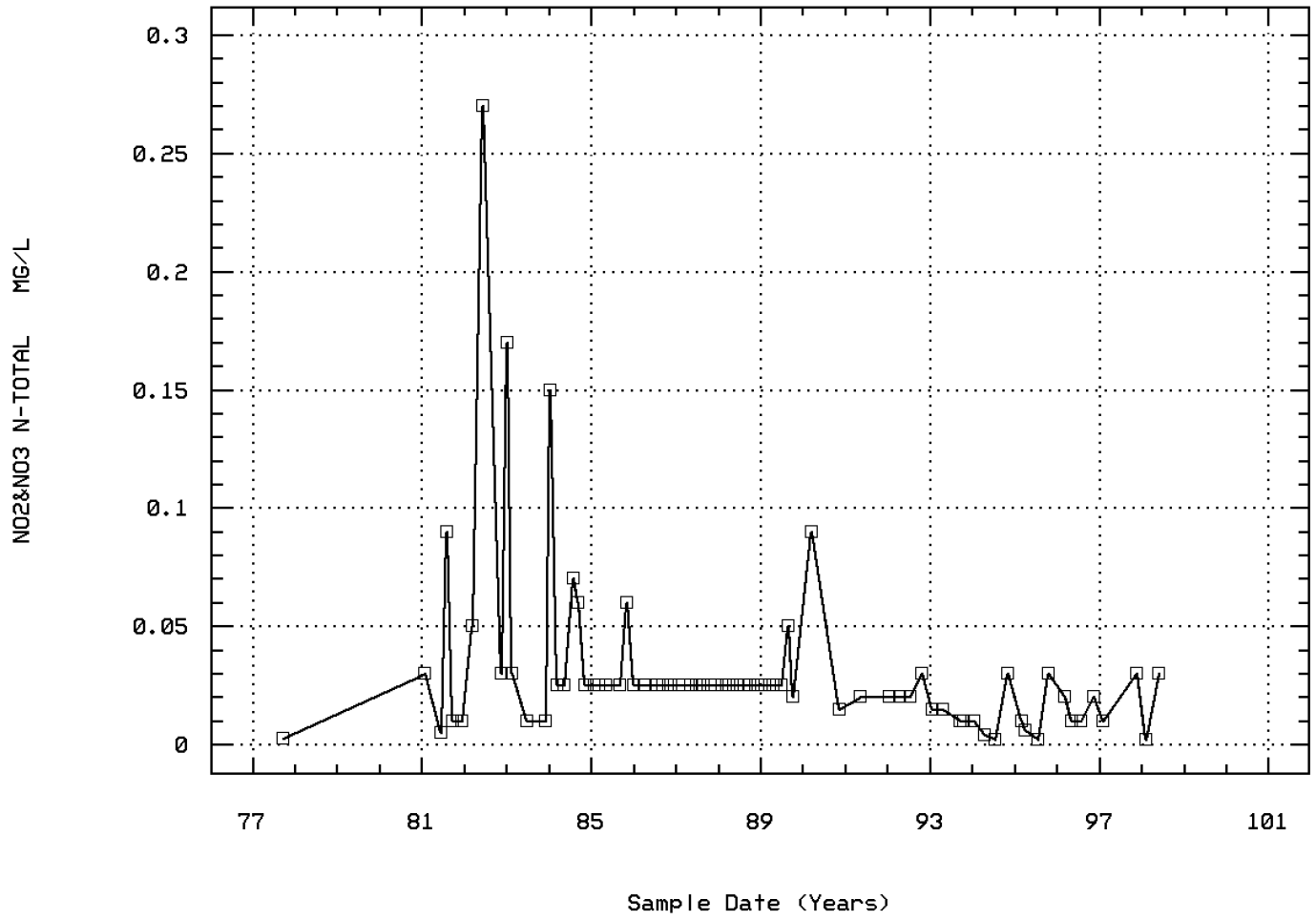
ICWW MARKER 60 N CRESCENT BCH BR



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00630

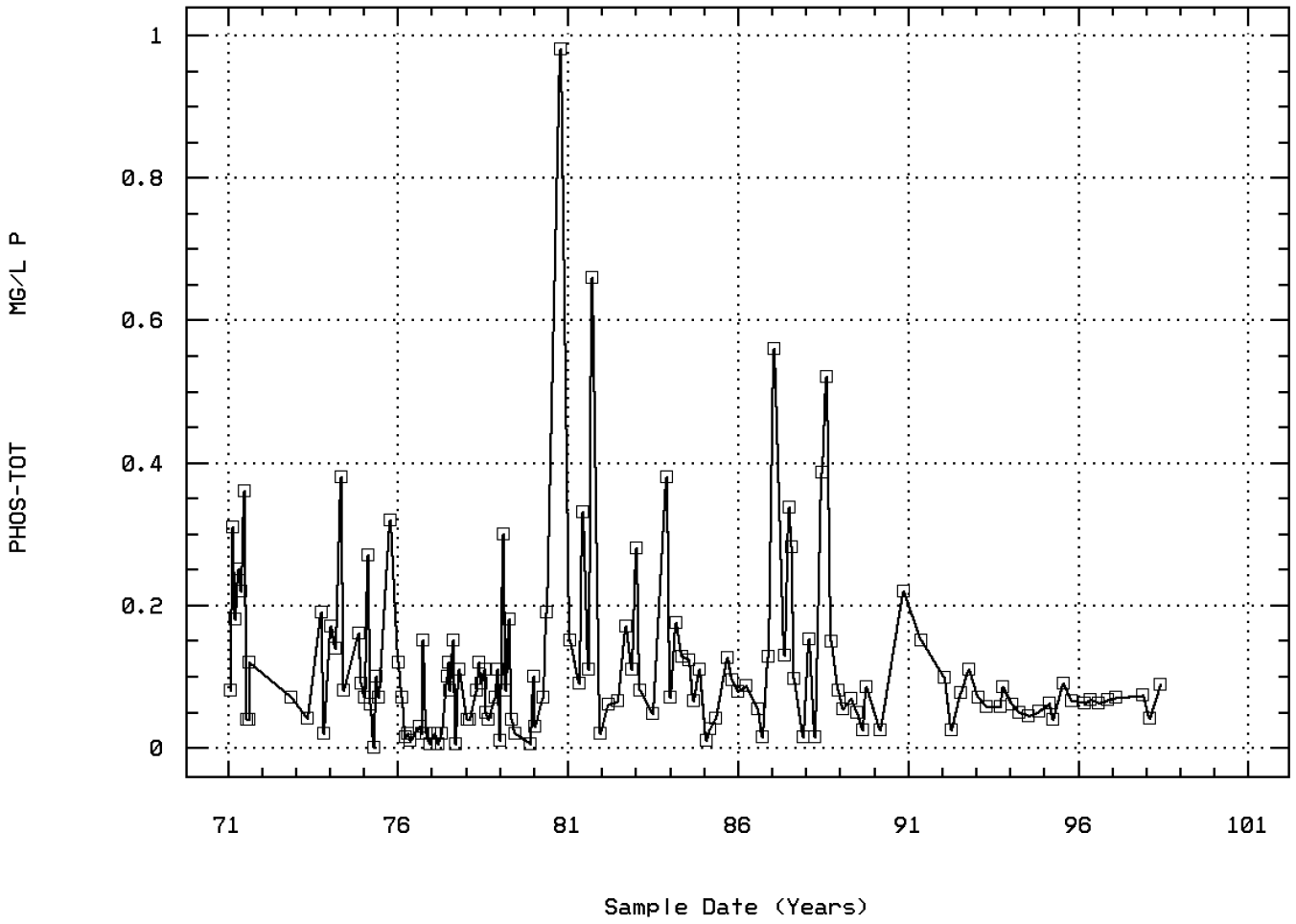
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00665

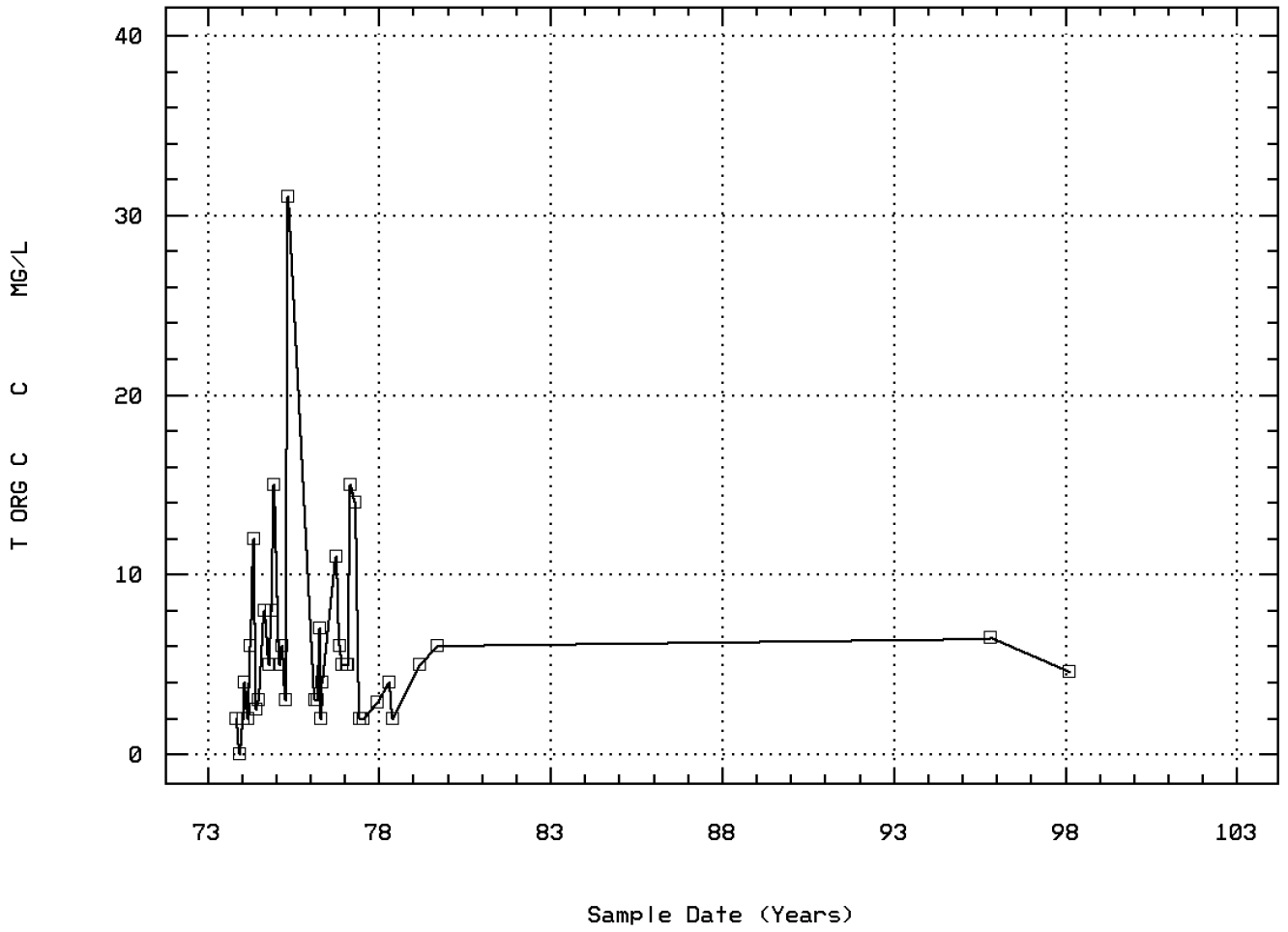
PHOSPHORUS, TOTAL (MG/L AS P)



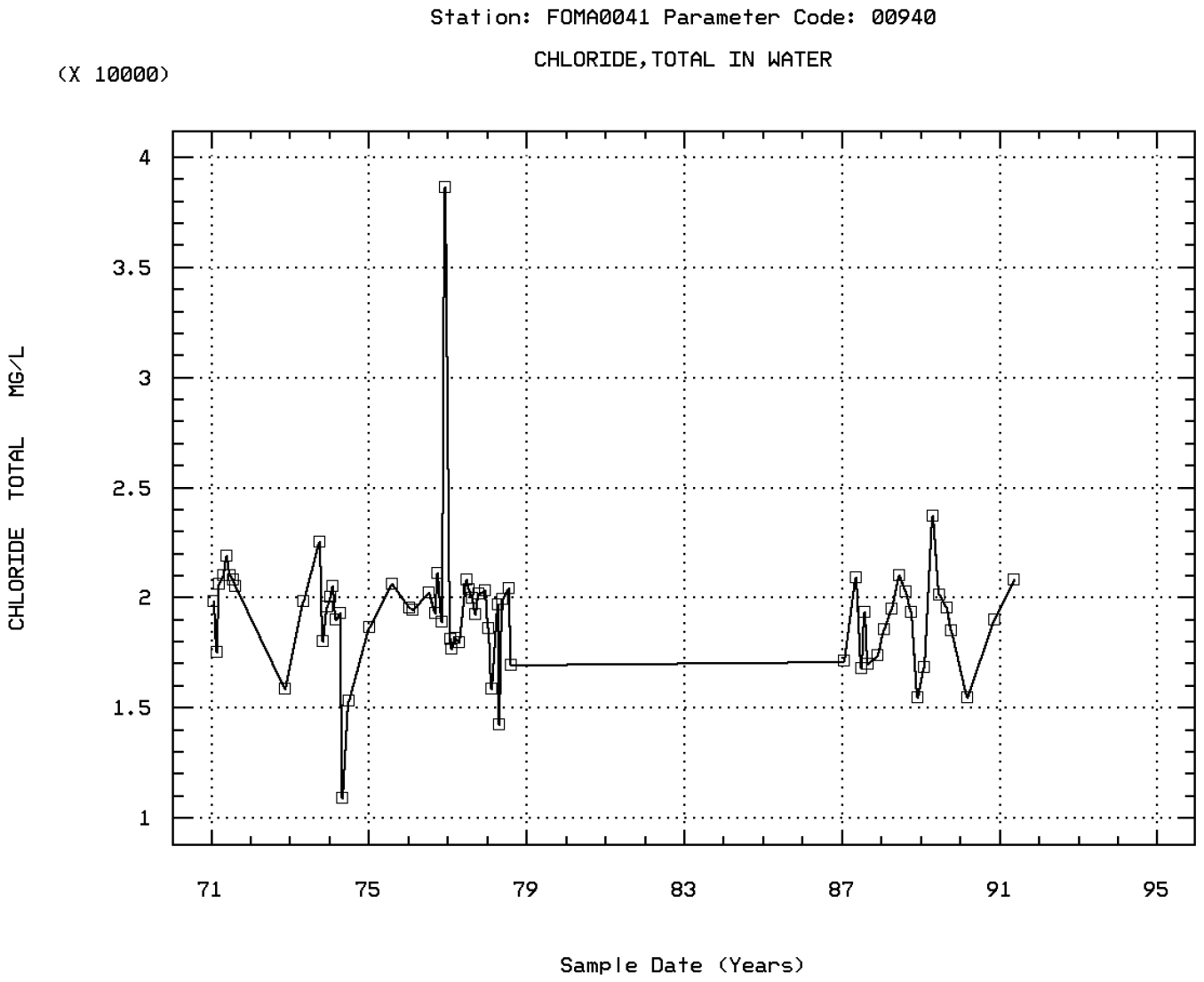
ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00680

CARBON, TOTAL ORGANIC (MG/L AS C)



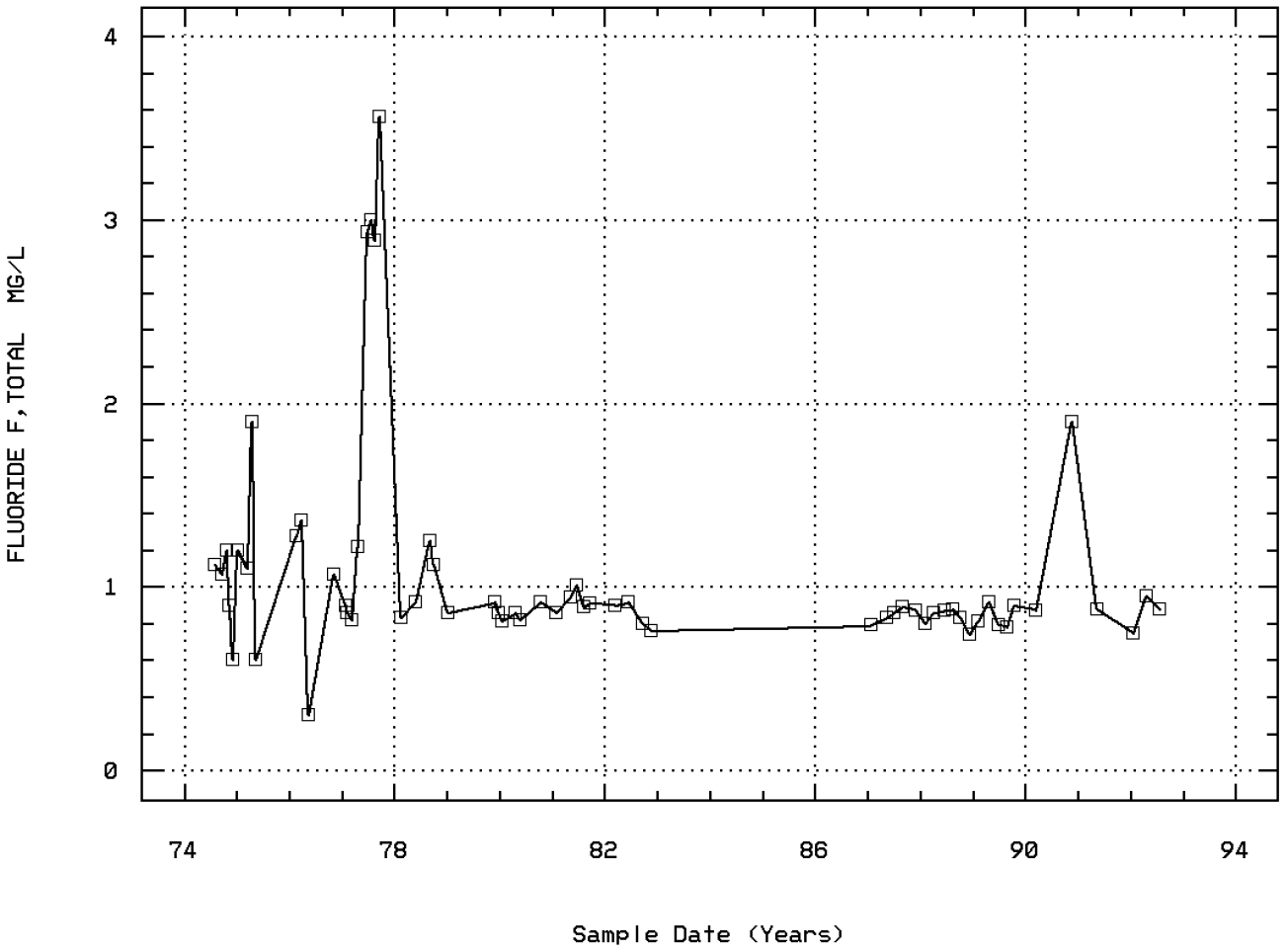
ICWW MARKER 60 N CRESCENT BCH BR



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00951

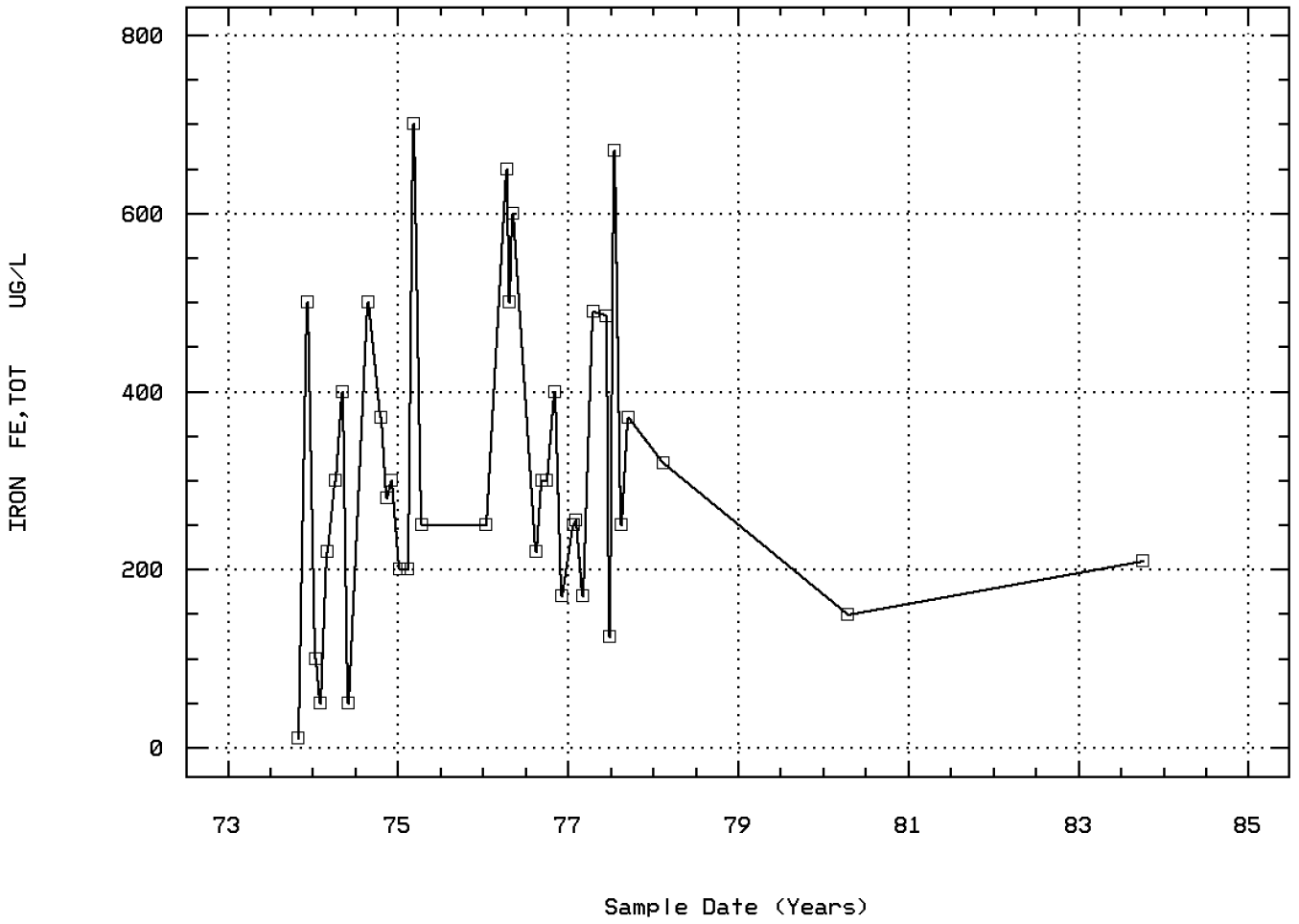
FLUORIDE, TOTAL (MG/L AS F)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 01045

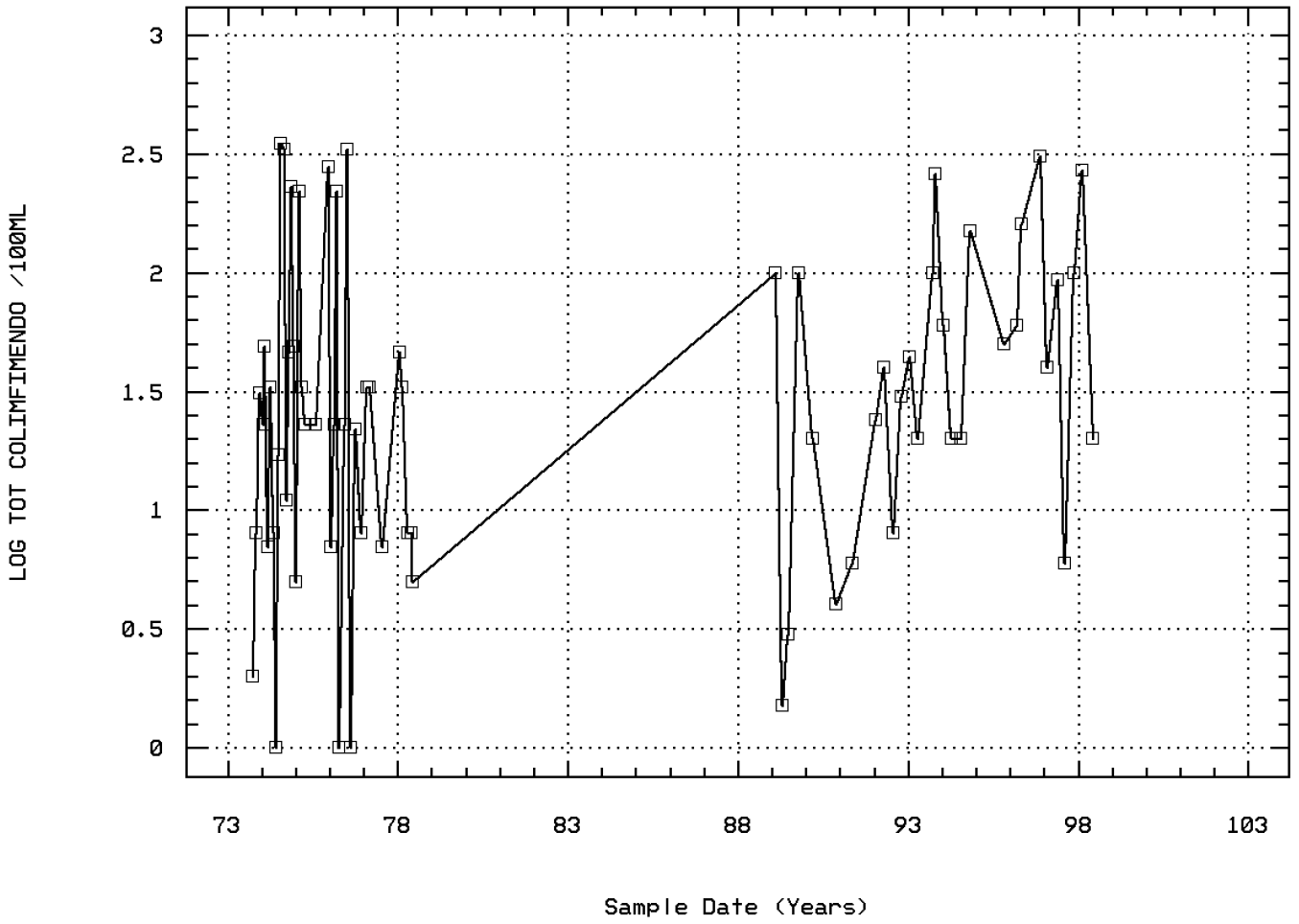
IRON, TOTAL (UG/L AS FE)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 31501

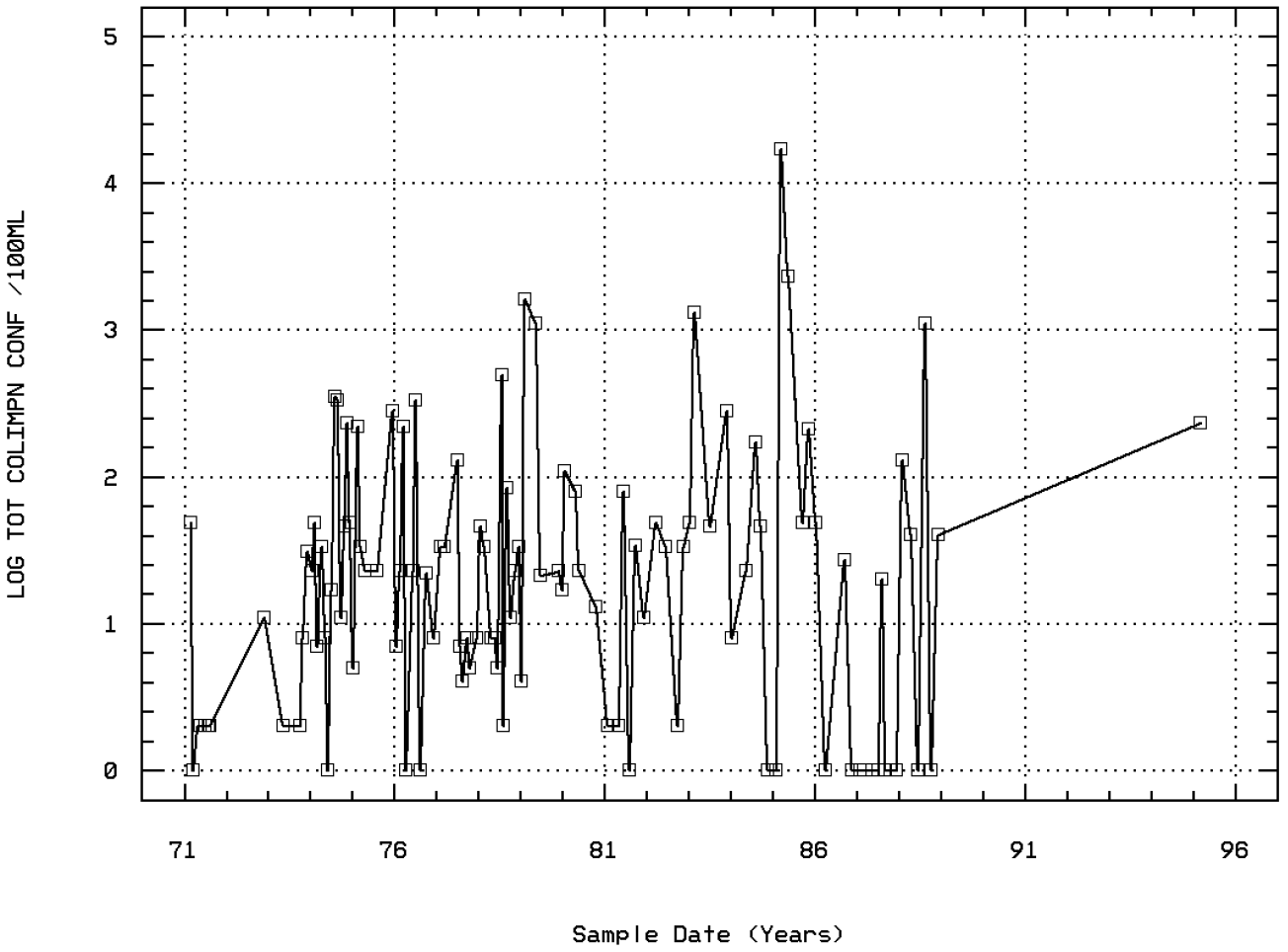
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 31505

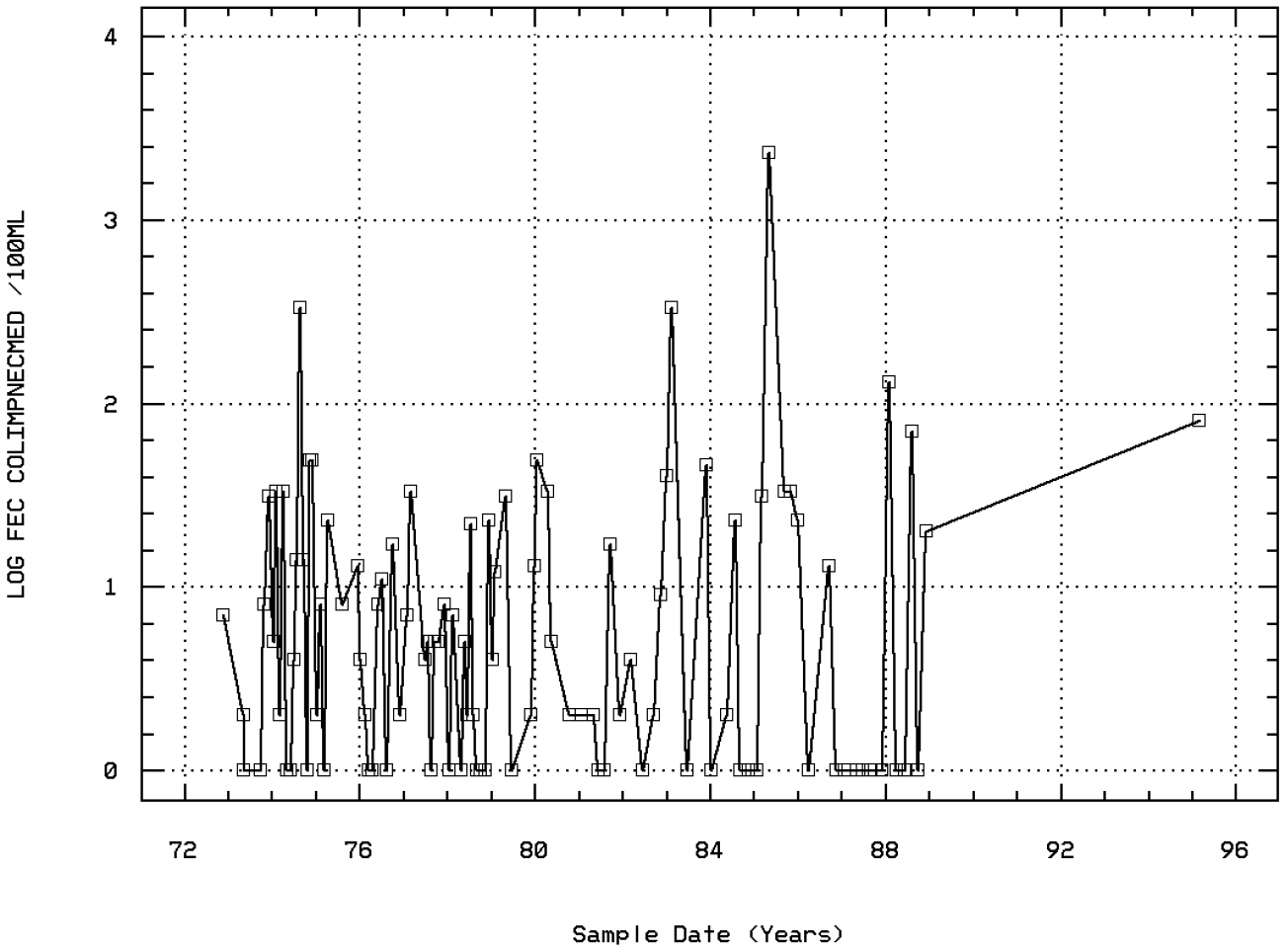
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 31615

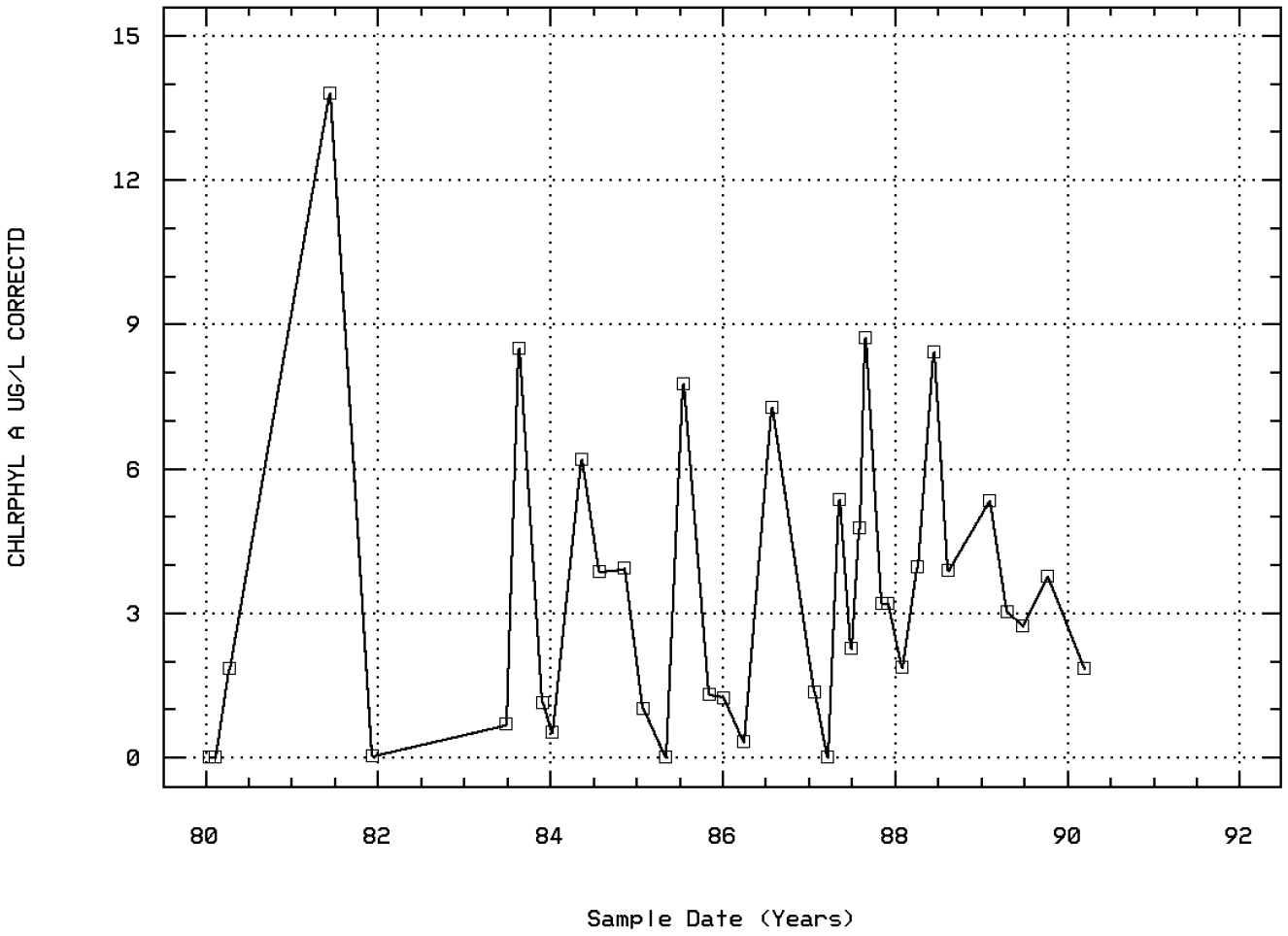
LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



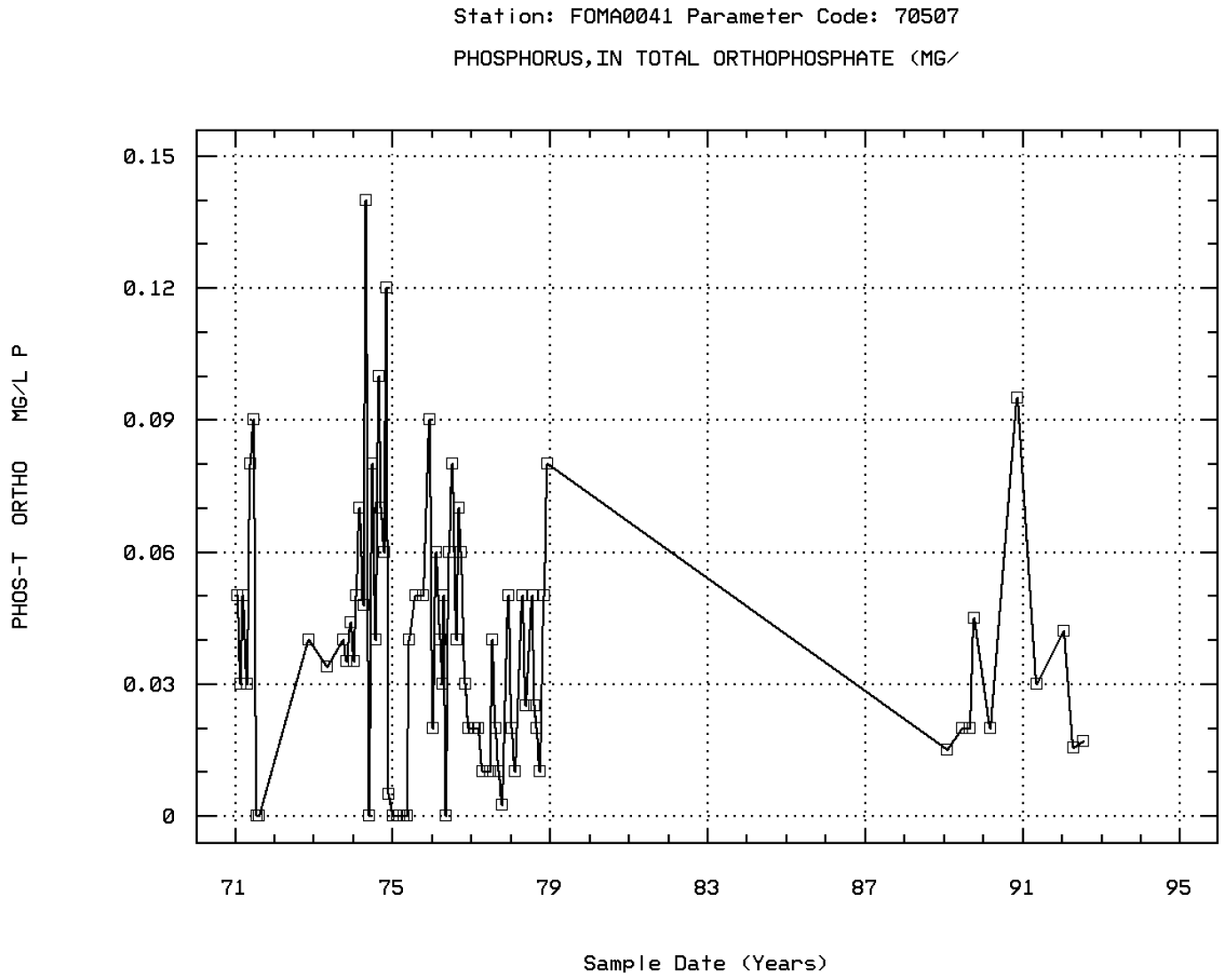
ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 32211

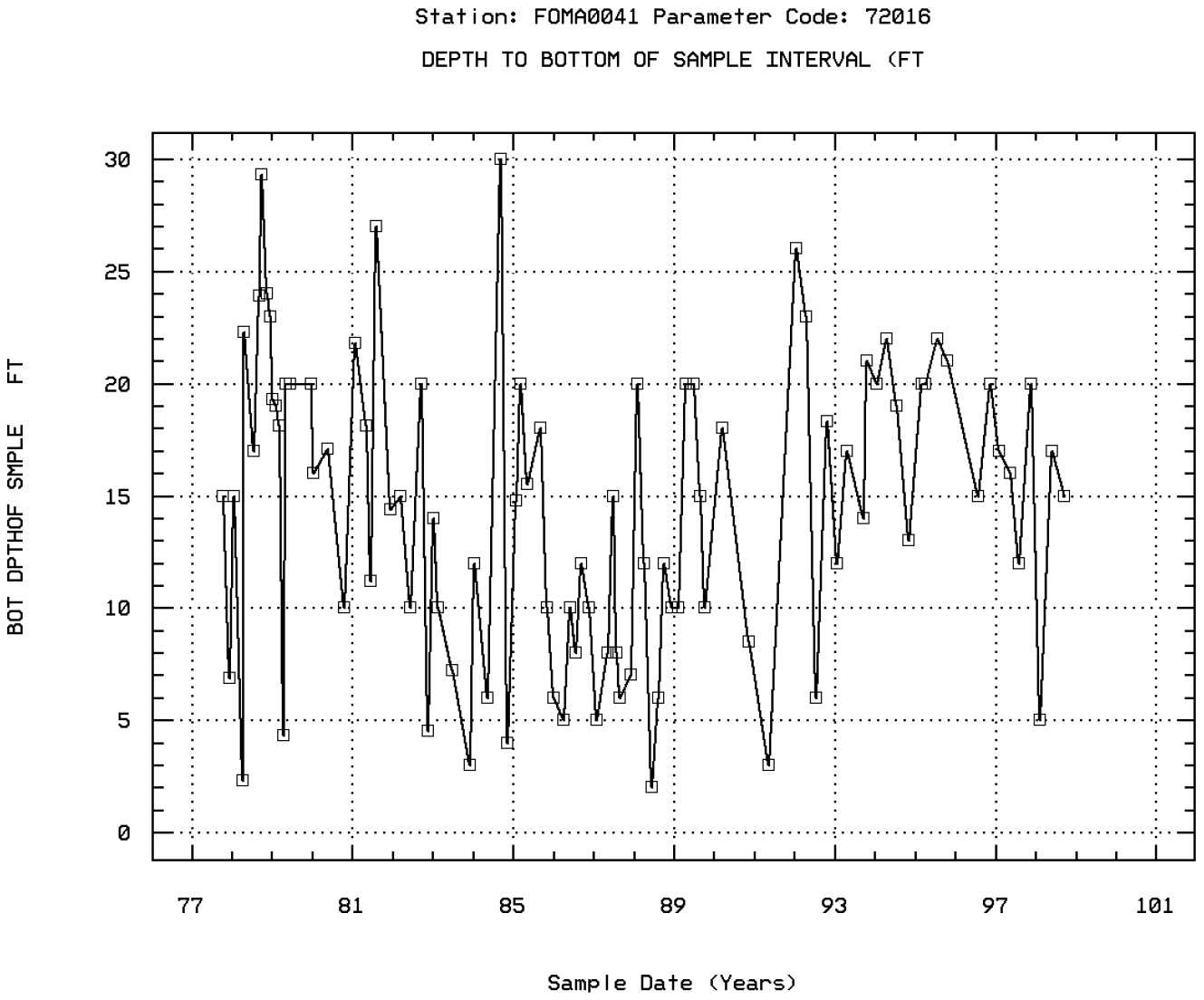
CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC A



ICWW MARKER 60 N CRESCENT BCH BR



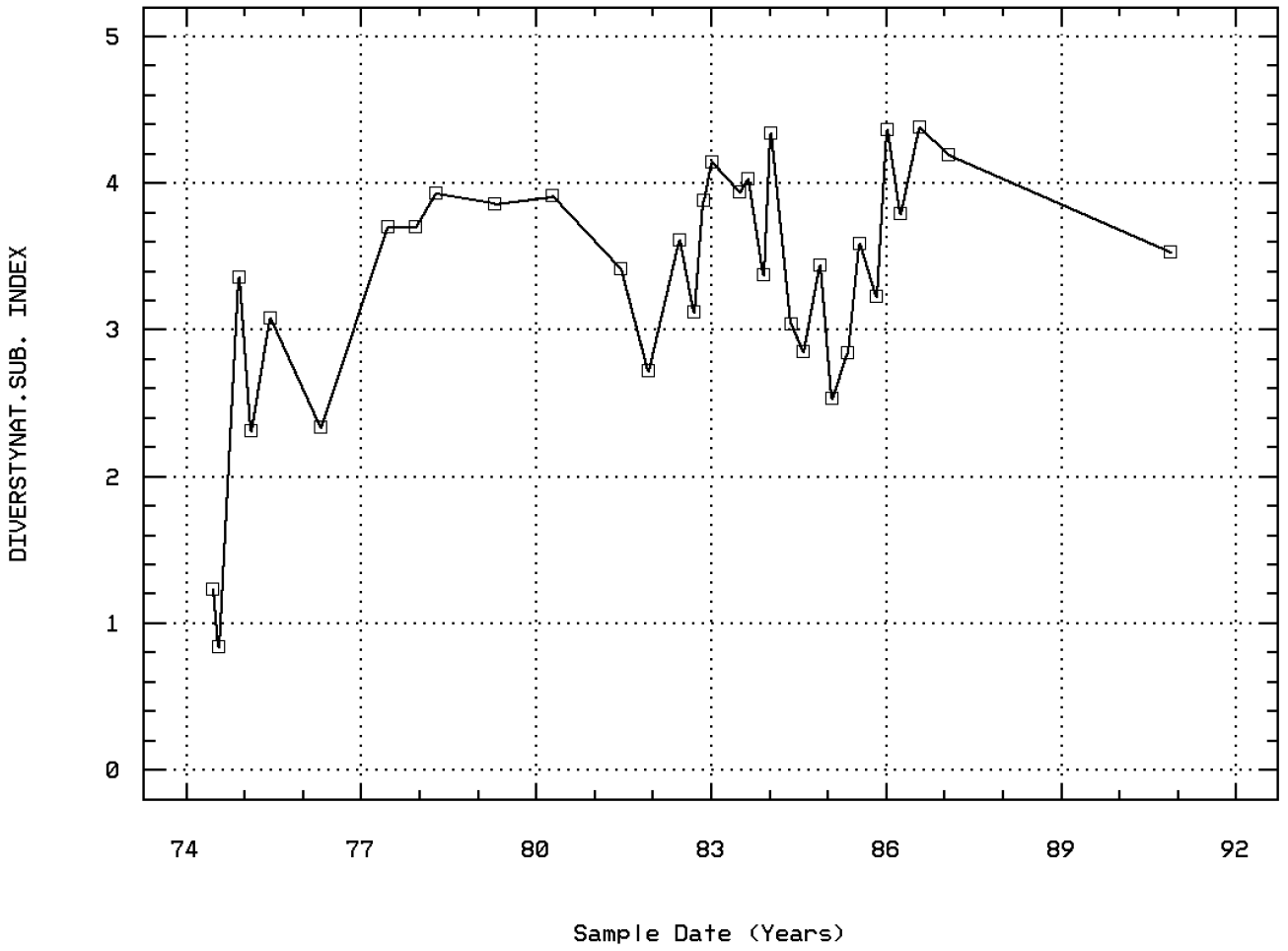
ICWW MARKER 60 N CRESCENT BCH BR



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 82246

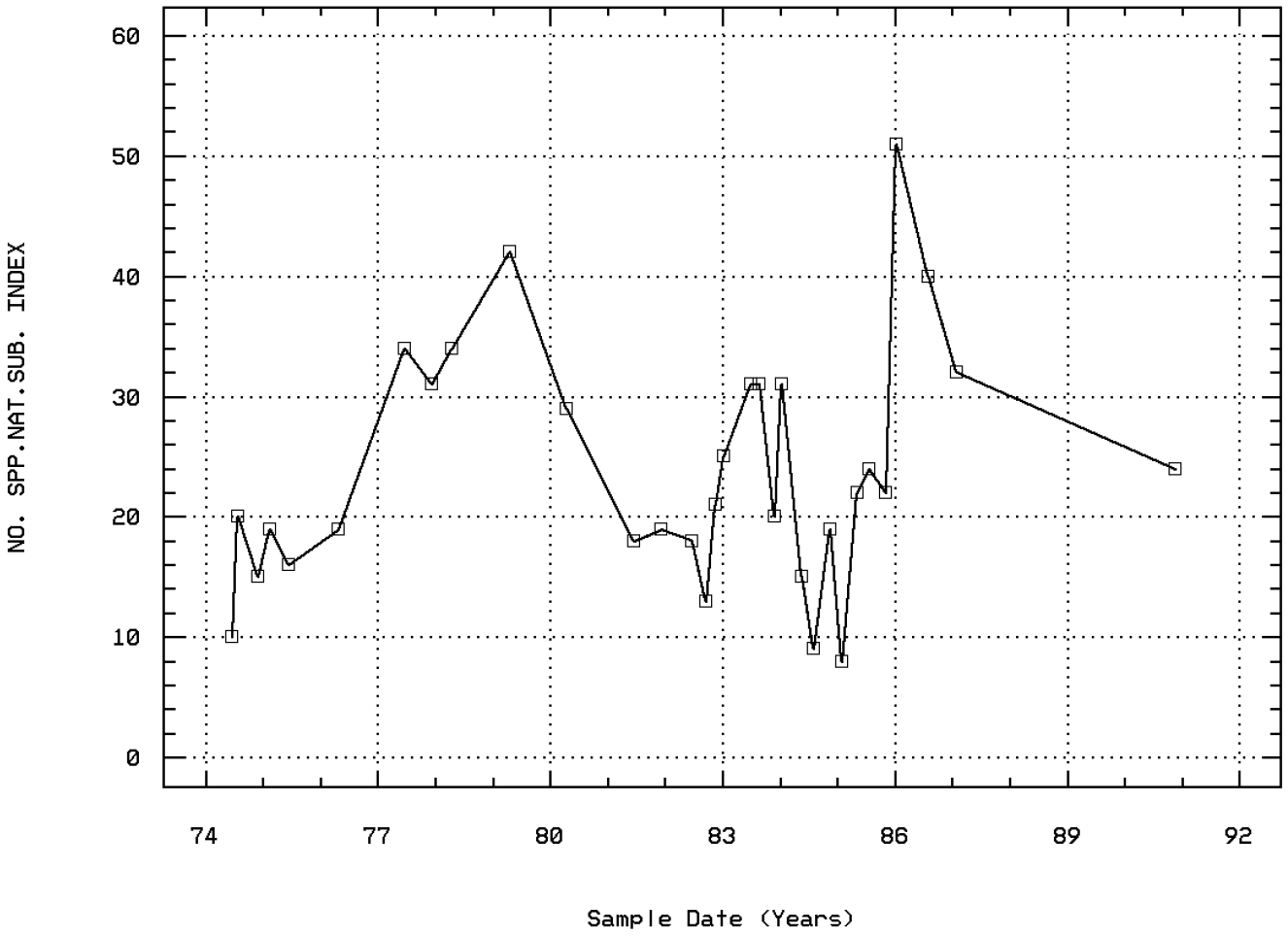
NATURAL SUBSTRATE,DIVERSITY INDEX



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 82250

NATURAL SUBSTRATE - NUMBER OF SPECIES



ICWW MARKER 60 N CRESCENT BCH BR

Annual Analysis for 1971 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	7	24.	22.357	29.	13.	37.06	6.088	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	9	5.9	6.189	8.4	5.3	1.051	1.025	5.3	5.3	6.75	8.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	9	96.	92.889	112.	26.	706.111	26.573	26.	91.	110.	112.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	9	35.	33.778	60.	15.	222.194	14.906	15.	18.5	44.5	60.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	9	64.	59.111	78.	10.	426.861	20.661	10.	54.	75.	78.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	9	0.06	0.074	0.14	0.04	0.001	0.036	0.04	0.05	0.105	0.14
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	9	0.18	0.178	0.36	0.04	0.014	0.116	0.04	0.06	0.28	0.36
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	9	0.03	0.037	0.09	0.	0.001	0.034	0.	0.	0.065	0.09

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

Annual Analysis for 1972 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	2	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	2	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	2	52.	52.	52.	52.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	2	32.	32.	32.	32.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	2	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	2	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	5	23.5	21.9	27.	14.5	21.675	4.656	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	5	7.9	7.42	8.	5.9	0.807	0.898	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	32.	46.4	86.	11.	1365.3	36.95	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	4.	11.6	24.	3.	128.3	11.327	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	29.	34.8	62.	8.	676.7	26.013	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	3	0.02	0.023	0.05	0.	0.001	0.025	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	5	0.09	0.12	0.35	0.	0.021	0.145	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.041	0.073	0.19	0.02	0.006	0.079	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	5	0.035	0.037	0.044	0.034	0.	0.004	**	**	**	**

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

Annual Analysis for 1974 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	13	21.	22.192	31.	12.5	27.731	5.266	14.5	18.25	27.	29.8
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	13	6.9	6.477	8.6	4.6	1.372	1.171	4.8	5.15	7.25	8.08
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	12	77.5	80.917	161.	16.	2144.811	46.312	17.2	41.25	117.5	151.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	12	16.	14.75	27.	5.	58.568	7.653	5.	6.5	21.	25.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	12	59.	66.167	134.	11.	1535.242	39.182	11.9	35.25	97.25	126.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	10	0.135	0.146	0.4	0.	0.018	0.135	0.	0.008	0.253	0.389
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	12	0.03	0.044	0.15	0.	0.002	0.042	0.003	0.02	0.073	0.129
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	6	0.15	0.17	0.38	0.08	0.012	0.109	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	13	0.06	0.063	0.14	0.	0.002	0.041	0.002	0.038	0.09	0.132

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

Annual Analysis for 1975 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	9	21.5	22.933	29.	17.	24.94	4.994	17.	18.25	27.95	29.
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	9	6.7	6.711	10.3	4.7	3.834	1.958	4.7	4.95	8.3	10.3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	7	88.	96.	224.	20.	3930.333	62.692	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	17.	24.333	63.	4.	461.067	21.472	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	62.	50.333	93.	0.	1245.067	35.286	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	6	0.125	0.135	0.28	0.	0.011	0.103	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	8	0.	0.014	0.1	0.	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	7	0.07	0.127	0.32	0.	0.014	0.119	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	9	0.	0.026	0.09	0.	0.001	0.033	0.	0.	0.05	0.09

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

Annual Analysis for 1976 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	12	22.9	21.267	27.5	13.5	22.832	4.778	13.8	16.	24.	27.35
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	9	6.7	7.267	9.	5.6	1.695	1.302	5.6	6.15	8.6	9.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	12	80.5	86.083	185.	29.	2066.083	45.454	31.1	48.25	114.25	171.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	10	12.5	18.9	75.	2.	474.544	21.784	2.1	4.5	24.	70.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	10	58.5	73.5	169.	13.	2350.056	48.477	14.4	38.25	115.5	164.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	13	0.08	0.145	0.63	0.	0.038	0.194	0.	0.01	0.22	0.546
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	10	0.005	0.008	0.02	0.	0.	0.008	0.	0.	0.013	0.02
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	10	0.02	0.046	0.15	0.005	0.003	0.051	0.006	0.014	0.083	0.147
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	13	0.04	0.043	0.08	0.	0.001	0.023	0.008	0.025	0.06	0.076

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

Annual Analysis for 1977 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	10	22.	21.21	29.5	8.5	64.223	8.014	8.5	14.875	28.625	29.45
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	6	7.2	7.283	9.2	5.5	1.874	1.369	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	9	44.	55.333	152.	14.	1751.	41.845	14.	29.5	75.	152.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	9	7.	9.222	32.	2.	89.444	9.458	2.	3.	12.	32.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	9	32.	46.111	120.	11.	1115.361	33.397	11.	27.	66.5	120.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	10	0.165	0.158	0.35	0.	0.017	0.129	0.	0.004	0.278	0.345
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	9	0.005	0.012	0.05	0.	0.	0.016	0.	0.003	0.015	0.05
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	9	0.08	0.068	0.15	0.005	0.003	0.056	0.005	0.013	0.115	0.15
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	10	0.02	0.02	0.05	0.003	0.	0.015	0.003	0.01	0.025	0.049

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Annual Analysis for 1978 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	12	24.25	22.842	30.	12.5	42.003	6.481	12.5	16.325	28.95	29.7
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	12	6.5	7.108	9.2	5.5	1.95	1.396	5.53	5.8	8.525	9.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	11	42.	58.	136.	0.	2185.2	46.746	2.2	16.	98.	133.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	11	6.	6.818	16.	0.	31.764	5.636	0.2	1.	13.	15.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	11	36.	51.182	122.	0.	1923.964	43.863	0.6	10.	97.	118.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	11 ##	0.005	0.089	0.89	0.005	0.071	0.266	0.005	0.005	0.005	0.72
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	10 ##	0.003	0.015	0.08	0.003	0.001	0.027	0.003	0.003	0.016	0.077
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	10	0.075	0.075	0.12	0.04	0.001	0.032	0.04	0.04	0.11	0.119

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Annual Analysis for 1978 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	10	0.025	0.034	0.08	0.01	0.001	0.023	0.01	0.018	0.05	0.077

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Annual Analysis for 1979 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	7	16.	17.343	22.8	11.	22.966	4.792	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	8	6.65	6.925	8.2	5.6	1.096	1.047	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	8	41.	41.5	59.	25.	110.857	10.529	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	8	4.	4.5	9.	1.	6.286	2.507	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	8	36.	37.	54.	22.	100.286	10.014	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	8	0.07	0.109	0.37	0.005	0.015	0.121	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	8	0.025	0.061	0.19	0.003	0.005	0.074	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	8	0.06	0.092	0.3	0.005	0.01	0.102	**	**	**	**

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Annual Analysis for 1980 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	4	22.	21.65	27.5	15.1	27.29	5.224	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	4	6.95	7.175	8.2	6.6	0.496	0.704	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	30.	38.	90.	2.	1376.667	37.103	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	7.5	8.	15.	2.	42.	6.481	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	22.5	30.	75.	0.	1032.667	32.135	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	4	0.115	0.135	0.3	0.01	0.015	0.124	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	3	0.06	0.107	0.21	0.05	0.008	0.09	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.13	0.318	0.98	0.03	0.2	0.447	**	**	**	**

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Annual Analysis for 1981 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	6	24.5	22.3	29.	12.8	51.82	7.199	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	6	8.4	7.9	8.8	5.9	1.292	1.137	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	80.	78.833	130.	41.	1219.767	34.925	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	9.	9.5	16.	6.	15.5	3.937	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	69.	69.333	114.	35.	1017.467	31.898	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	4	0.165	0.264	0.72	0.005	0.101	0.318	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	6	0.13	0.227	0.66	0.02	0.056	0.236	**	**	**	**

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Annual Analysis for 1982 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	5	19.4	22.08	29.	16.5	28.807	5.367	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	5	7.2	7.	8.5	5.5	1.22	1.105	**	**	**	**

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Annual Analysis for 1982 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	118.5	121.5	155.	94.	792.333	28.148	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	14.5	18.5	34.	11.	117.667	10.847	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	96.	103.	137.	83.	562.	23.707	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	3	0.19	0.172	0.32	0.005	0.025	0.158	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.087	0.101	0.17	0.06	0.003	0.051	**	**	**	**

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Annual Analysis for 1983 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	4	16.35	18.675	28.	14.	41.689	6.457	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	4	7.9	8.05	9.2	7.2	0.863	0.929	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	76.	74.667	88.	60.	197.333	14.048	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	5.	7.667	15.	3.	41.333	6.429	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	61.	67.	85.	55.	252.	15.875	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	3 ##	0.01	0.043	0.115	0.005	0.004	0.062	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.18	0.197	0.38	0.047	0.026	0.16	**	**	**	**

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Annual Analysis for 1984 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	6	23.25	21.417	28.	11.	51.742	7.193	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	5	6.1	6.68	8.	5.8	0.997	0.998	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	2	62.	62.	104.	20.	3528.	59.397	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	2	8.5	8.5	15.	2.	84.5	9.192	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	2	53.5	53.5	89.	18.	2520.5	50.205	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	3 ##	0.03	0.028	0.03	0.025	0.	0.003	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	6	0.117	0.112	0.176	0.066	0.002	0.041	**	**	**	**

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Annual Analysis for 1985 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	5	23.	21.28	29.1	11.2	42.517	6.521	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	5	6.4	6.4	8.8	3.5	3.785	1.946	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	1 ##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	5	0.041	0.06	0.126	0.01	0.002	0.049	**	**	**	**

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Annual Analysis for 1986 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	6	25.	23.75	29.	13.	39.375	6.275	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	6	6.3	6.517	8.1	5.2	1.066	1.032	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	20.	22.	34.	17.	49.5	7.036	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	3.	3.2	5.	2.	1.7	1.304	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	17.	18.8	29.	15.	34.2	5.848	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	2 ##	0.047	0.047	0.063	0.03	0.001	0.023	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	5	0.078	0.072	0.127	0.015	0.002	0.041	**	**	**	**

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Annual Analysis for 1987 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	6	25.25	22.617	29.	11.2	56.922	7.545	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	6	6.6	6.867	8.7	5.8	1.227	1.108	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	25.	22.167	30.	9.	75.767	8.704	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	3.5	3.5	5.	2.	1.1	1.049	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	21.	18.5	26.	7.	59.9	7.74	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	6 ##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	6	0.206	0.237	0.56	0.015	0.039	0.199	**	**	**	**

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Annual Analysis for 1988 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	6	23.	21.75	27.	13.	28.775	5.364	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	6	6.55	6.4	9.	2.5	4.836	2.199	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	20.	19.833	30.	10.	54.567	7.387	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	2.5	2.833	6.	1.	2.967	1.722	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	6	17.5	17.	24.	9.	34.	5.831	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	6 ##	0.03	0.045	0.088	0.03	0.001	0.025	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	6	0.151	0.217	0.521	0.015	0.038	0.195	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	5	23.5	24.88	29.9	21.	15.047	3.879	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	5	5.7	5.8	6.8	5.	0.625	0.791	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	20.	20.6	24.	17.	8.3	2.881	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	2.	3.	6.	1.	4.	2.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	5	18.	17.6	19.	15.	2.8	1.673	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	5 ##	0.03	0.04	0.108	0.015	0.002	0.039	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	5	0.054	0.057	0.086	0.025	0.001	0.023	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	4 ##	0.02	0.025	0.045	0.015	0.	0.014	**	**	**	**

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

Annual Analysis for 1990 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	2	21.	21.	23.	19.	8.	2.828	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	2	5.9	5.9	7.2	4.6	3.38	1.838	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	2	0.095	0.095	0.13	0.06	0.002	0.049	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	2 ##	0.123	0.123	0.22	0.025	0.019	0.138	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	2 ##	0.058	0.058	0.095	0.02	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

Annual Analysis for 1991 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	1	23.1	23.1	23.1	23.1	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	1	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

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

Annual Analysis for 1992 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	4	21.	20.1	27.5	10.9	47.007	6.856	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	4	6.9	7.	8.8	5.4	1.94	1.393	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	14.	14.75	20.	11.	16.917	4.113	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	3.5	3.25	4.	2.	0.917	0.957	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	11.	11.5	16.	8.	11.667	3.416	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	3 ##	0.015	0.029	0.057	0.015	0.001	0.024	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.088	0.078	0.11	0.025	0.001	0.038	**	**	**	**
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	3 ##	0.017	0.025	0.042	0.016	0.	0.015	**	**	**	**

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

Annual Analysis for 1993 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	4	22.8	21.9	27.	15.	29.587	5.439	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	4	6.55	6.55	7.8	5.3	1.323	1.15	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	17.5	17.25	20.	14.	6.25	2.5	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	3.	2.75	3.	2.	0.25	0.5	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	14.5	14.5	17.	12.	4.333	2.082	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	4 ##	0.011	0.03	0.087	0.01	0.001	0.038	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.064	0.068	0.086	0.058	0.	0.013	**	**	**	**

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Annual Analysis for 1994 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	4	23.3	21.125	28.4	9.5	67.149	8.194	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	4	7.45	7.475	8.9	6.1	1.589	1.261	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	15.5	15.	17.	12.	6.	2.449	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	2.5	2.5	3.	2.	0.333	0.577	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	12.5	12.5	15.	10.	5.667	2.38	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	4 ##	0.01	0.023	0.066	0.005	0.001	0.029	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.051	0.052	0.061	0.045	0.	0.007	**	**	**	**

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Annual Analysis for 1995 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	4	22.65	22.975	29.3	17.3	29.183	5.402	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	3	6.1	6.333	7.6	5.3	1.363	1.168	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	11.	15.	34.	4.	177.333	13.317	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	2.	2.25	4.	1.	1.583	1.258	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	9.	12.75	30.	3.	146.25	12.093	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	4	0.029	0.028	0.05	0.005	0.001	0.024	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.064	0.065	0.09	0.04	0.	0.02	**	**	**	**

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Annual Analysis for 1996 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	3	26.9	24.467	28.8	17.7	35.243	5.937	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	2	5.7	5.7	6.5	4.9	1.28	1.131	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	14.	15.667	19.	14.	8.333	2.887	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	3.	2.667	3.	2.	0.333	0.577	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	12.	13.	16.	11.	7.	2.646	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	4	0.029	0.034	0.075	0.005	0.001	0.03	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	4	0.065	0.065	0.068	0.062	0.	0.003	**	**	**	**

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Annual Analysis for 1997 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	4	21.75	22.45	29.1	17.2	35.737	5.978	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	18.	19.25	32.	9.	114.25	10.689	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	3.5	3.75	6.	2.	2.917	1.708	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	4	14.5	15.5	26.	7.	81.667	9.037	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	2	0.073	0.073	0.074	0.071	0.	0.002	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	2	0.073	0.073	0.074	0.071	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 box-and-whisker plot

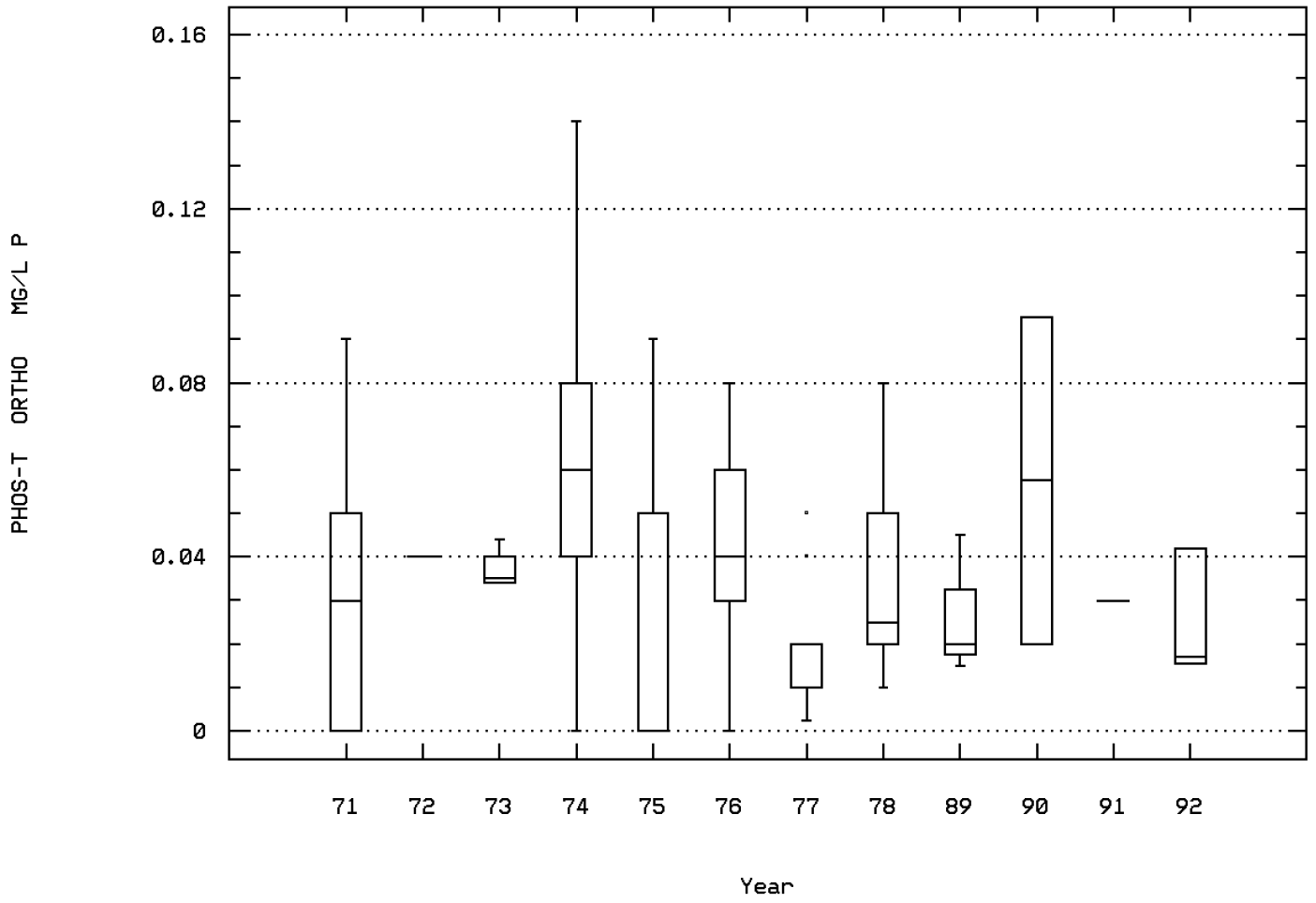
Annual Analysis for 1998 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	3	27.	24.	30.1	14.9	64.51	8.032	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	16.	13.667	16.	9.	16.333	4.041	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	3.	2.667	3.	2.	0.333	0.577	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	3	13.	11.	13.	7.	12.	3.464	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	2 ##	0.024	0.024	0.043	0.005	0.001	0.027	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	2	0.065	0.065	0.088	0.041	0.001	0.033	**	**	**	**

** - 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

Station: FOMA0041 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



ICWW MARKER 60 N CRESCENT BCH BR

Seasonal Analysis for Season #1: 9/15 to 11/14 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	26	23.25	22.827	28.	15.	14.904	3.861	16.9	19.475	26.125	27.21
00055p	VELOCITY, STREAM FT/SEC	06/08/76-09/14/98	9	0.6	0.922	3.	0.2	0.687	0.829	0.2	0.5	1.	3.
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/14/75-09/14/98	20	6.5	6.41	11.	1.2	7.203	2.684	3.08	4.1	8.775	10.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/12/76-09/14/98	19	1.	1.034	1.5	0.5	0.075	0.274	0.7	0.85	1.24	1.5
00081p	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/14/75-09/14/98	20	20.	27.75	80.	10.	388.092	19.7	10.	15.	37.5	68.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/75-09/14/98	12	43100.	42100.	51400.	28500.	69225454.545	8320.184	28650.	34250.	49725.	51040.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-09/14/98	25	41800.	40735.04	49100.	30000.	29030383.04	5387.985	32800.	36700.	46000.	47439.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/76-09/14/98	9	6.9	6.989	8.2	6.2	0.534	0.73	6.2	6.2	7.6	8.2
00300p	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	25	6.6	6.512	8.1	4.7	0.774	0.88	5.42	5.9	7.25	7.82
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-09/14/98	23	1.	1.261	4.7	0.05	0.925	0.962	0.35	0.6	1.6	2.32
00400p	PH (STANDARD UNITS)	01/28/71-09/14/98	22	7.73	7.694	8.2	7.1	0.064	0.253	7.26	7.583	7.868	7.97
00400p	CONVERTED PH (STANDARD UNITS)	01/28/71-09/14/98	22	7.729	7.616	8.2	7.1	0.07	0.265	7.26	7.582	7.868	7.97
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-09/14/98	22	0.019	0.024	0.079	0.006	0.	0.017	0.011	0.014	0.026	0.056
00403p	PH, LAB, STANDARD UNITS SU	04/27/71-09/14/98	22	7.85	7.809	8.2	7.	0.06	0.245	7.6	7.7	8.	8.07
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/27/71-09/14/98	22	7.847	7.719	8.2	7.	0.068	0.261	7.6	7.7	8.	8.07
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/71-09/14/98	22	0.014	0.019	0.1	0.006	0.	0.019	0.009	0.01	0.02	0.025
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-09/14/98	13	116.	110.846	154.	16.	962.808	31.029	51.2	109.	123.5	142.
00480	SALINITY - PARTS PER THOUSAND	05/05/81-09/14/98	10	31.	30.5	35.	23.	18.278	4.275	23.3	27.5	35.	35.
00500	RESIDUE, TOTAL (MG/L)	01/28/71-04/24/78	4	43440.	44847.5	51110.	41400.	20787491.667	4559.33	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-04/24/78	4	9183.5	10454.	17840.	5609.	32833808.667	5730.079	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-04/24/78	4	34275.	34392.5	35790.	33230.	1797491.667	1340.706	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	26	29.5	40.154	130.	11.	1031.575	32.118	11.	17.	67.5	89.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	26	3.	8.308	75.	1.	208.222	14.43	2.	3.	10.	17.5
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	26	21.5	31.846	109.	8.	704.295	26.539	9.4	13.	47.25	79.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	24	0.03	0.059	0.3	0.	0.006	0.078	0.005	0.01	0.082	0.2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	11	0.02	0.084	0.35	0.003	0.013	0.113	0.003	0.005	0.16	0.322
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/74-06/03/98	21	0.503	0.679	2.	0.12	0.252	0.502	0.202	0.274	0.922	1.43
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/19/77-06/03/98	14 ##	0.023	0.022	0.06	0.003	0.	0.014	0.006	0.01	0.03	0.045
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	24	0.103	0.165	0.98	0.005	0.048	0.219	0.018	0.06	0.168	0.49
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/29/73-02/11/98	6	6.25	6.417	11.	2.	9.042	3.007	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	9	19210.	19630.333	22500.	18000.	1985776.	1409.176	18000.	18685.	20630.	22500.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/29/73-05/14/91	5	2300.	2075.8	3600.	129.	1583603.2	1258.413	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/29/74-07/20/92	12	0.995	1.265	3.56	0.8	0.608	0.78	0.809	0.9	1.18	3.062
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/03/73-09/14/98	14	48.	94.5	310.	2.	10790.885	103.879	3.	10.25	170.	285.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/03/73-09/14/98	14	1.681	1.605	2.491	0.301	0.482	0.694	0.452	1.007	2.223	2.453
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			40.292								
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-04/04/95	17	11.	38.471	230.	1.	4839.265	69.565	1.	3.5	30.5	214.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-04/04/95	17	1.041	1.078	2.362	0.	0.485	0.696	0.	0.5	1.481	2.33
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			11.954								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	17	5.	10.059	49.	1.	177.559	13.325	1.	1.	15.5	36.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	17	0.699	0.637	1.69	0.	0.364	0.603	0.	0.	1.188	1.553
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.337								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	01/16/80-03/14/90	4	3.485	3.053	3.93	1.31	1.448	1.203	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	14	0.048	0.048	0.12	0.003	0.001	0.032	0.006	0.025	0.063	0.108
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/17/77-09/14/98	17	14.	15.418	29.3	4.	42.292	6.503	7.6	10.	20.5	25.06

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

Seasonal Analysis for Season #2: 11/15 to 6/14 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	97	19.5	19.259	30.1	8.5	26.567	5.154	12.5	14.8	23.	26.92
00055p	VELOCITY, STREAM FT/SEC	06/08/76-09/14/98	35	1.	0.956	3.	0.005	0.321	0.566	0.34	0.5	1.	1.58
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/14/75-09/14/98	71	4.9	5.318	16.	0.4	9.504	3.083	2.16	3.	7.	9.16
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/12/76-09/14/98	64	1.2	1.29	3.	0.4	0.267	0.517	0.735	0.933	1.5	2.05
00081p	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/14/75-09/14/98	69	20.	22.681	100.	0.	254.103	15.941	5.	15.	30.	40.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/75-09/14/98	46	38250.	39232.609	51900.	20800.	66149357.488	8133.226	26940.	34850.	47125.	50120.

** - Less than 9 observations ## - Computed with 50% or more 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: 11/15 to 6/14 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-09/14/98	78	41000.	40247.244	53000.	3800.	47567932.732	6896.951	33720.	37000.	44042.	48246.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/76-09/14/98	25	8.	7.48	10.6	4.1	2.689	1.64	5.2	6.15	8.55	9.64
00300p	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	87	7.2	7.261	10.3	2.5	1.694	1.301	5.6	6.4	8.3	8.92
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-09/14/98	72	0.9	1.217	4.9	0.25	0.755	0.869	0.43	0.6	1.575	2.2
00400p	PH (STANDARD UNITS)	01/28/71-09/14/98	68	7.8	7.705	8.53	6.3	0.147	0.383	7.2	7.6	7.9	8.
00400p	CONVERTED PH (STANDARD UNITS)	01/28/71-09/14/98	68	7.8	7.444	8.53	6.3	0.216	0.465	7.2	7.6	7.9	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-09/14/98	68	0.016	0.036	0.501	0.003	0.005	0.071	0.01	0.013	0.025	0.063
00403p	PH, LAB, STANDARD UNITS SU	04/27/71-09/14/98	77	7.9	7.877	8.2	7.3	0.027	0.164	7.6	7.8	8.	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/27/71-09/14/98	77	7.9	7.843	8.2	7.3	0.028	0.167	7.6	7.8	8.	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/71-09/14/98	77	0.013	0.014	0.05	0.006	0.	0.007	0.008	0.01	0.016	0.025
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-09/14/98	39	118.	112.513	142.	30.	732.572	27.066	82.	111.	127.	138.
00480	SALINITY - PARTS PER THOUSAND	05/05/81-09/14/98	24	31.65	30.671	37.	19.	22.388	4.732	24.	27.	33.775	36.5
00500	RESIDUE, TOTAL (MG/L)	01/28/71-04/24/78	24	40035.	40449.708	53560.	30850.	31426280.303	5605.915	32630.	37068.25	42920.	50540.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-04/24/78	24	6976.5	7893.917	17070.	3340.	16394230.601	4048.979	3742.5	4804.	9188.5	16895.
00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-04/24/78	24	33470.	32933.417	37440.	26050.	7942504.514	2818.245	27890.	31762.5	34895.	36355.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	86	40.	57.128	224.	2.	2138.089	46.239	12.	17.	90.25	114.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	82	5.	11.037	63.	1.	165.097	12.849	2.	3.	15.	29.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	84	32.5	44.917	169.	0.	1329.21	36.458	9.	14.	68.75	96.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	75	0.06	0.102	0.89	0.	0.019	0.139	0.005	0.011	0.14	0.294
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	49	0.02	0.086	1.2	0.	0.056	0.237	0.	0.003	0.075	0.15
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/74-06/03/98	64	0.515	0.716	2.78	0.05	0.346	0.588	0.255	0.38	0.799	1.825
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/19/77-06/03/98	40 ##	0.025	0.03	0.17	0.002	0.001	0.033	0.01	0.015	0.025	0.048
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	86	0.071	0.099	0.56	0.	0.009	0.096	0.015	0.04	0.122	0.229
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/29/73-02/11/98	30	4.3	5.933	31.	0.	38.127	6.175	1.1	2.375	6.	14.9
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	39	19280.	19070.564	38610.	10900.	15742012.305	3967.62	15469.	17349.	20000.	21000.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/29/73-05/14/91	15	2340.	2277.667	4000.	47.	1808120.381	1344.664	50.	1622.	3400.	3940.
00951	FLUORIDE, TOTAL (MG/L AS F)	07/29/74-07/20/92	36	0.86	0.904	1.9	0.3	0.065	0.255	0.698	0.81	0.92	1.238
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/03/73-09/14/98	43	31.	53.221	280.	1.	5022.599	70.87	5.	8.	49.	196.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/03/73-09/14/98	43	1.491	1.394	2.447	0.	0.352	0.594	0.699	0.903	1.69	2.287
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			24.789								
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-04/04/95	68	23.	380.132	17000.	1.	4332821.52	2081.543	1.	5.	49.	280.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-04/04/95	68	1.362	1.292	4.23	0.	0.835	0.914	0.	0.699	1.69	2.447
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			19.602								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	63	5.	55.635	2300.	1.	84614.977	290.887	1.	1.	23.	47.8
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	63	0.699	0.797	3.362	0.	0.542	0.737	0.	0.	1.362	1.679
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.263								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	01/16/80-03/14/90	20	1.28	1.91	6.19	0.	3.885	1.971	0.	0.095	3.155	5.349
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	47	0.03	0.034	0.14	0.	0.001	0.028	0.	0.016	0.05	0.072
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/17/77-09/14/98	53	15.5	14.177	26.	2.3	41.078	6.409	4.7	9.	20.	21.92

** - Less than 9 observations ## - Computed with 50% or more 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: 6/15 to 9/14 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/71-09/14/98	36	28.8	28.314	31.	24.	1.641	1.281	27.	27.5	29.	29.62
00055p	VELOCITY, STREAM FT/SEC	06/08/76-09/14/98	16	1.	0.9	2.	0.	0.28	0.529	0.14	0.525	1.	1.79
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/14/75-09/14/98	30	8.45	9.513	28.	3.	29.446	5.426	4.24	5.45	12.	17.8
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/12/76-09/14/98	28	0.875	0.884	1.4	0.3	0.063	0.251	0.592	0.7	1.038	1.21
00081p	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/14/75-09/14/98	30	30.	30.5	80.	10.	231.638	15.22	10.5	20.	40.	50.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/75-09/14/98	21	46000.	44542.857	53600.	33100.	40525571.429	6365.97	35040.	38850.	50000.	51920.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/20/72-09/14/98	33	42000.	41734.455	52900.	30000.	32956387.318	5740.765	34400.	37150.	47118.5	49760.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/76-09/14/98	16	5.5	5.456	6.9	4.2	0.66	0.812	4.34	4.8	6.2	6.62
00300p	OXYGEN, DISSOLVED MG/L	01/28/71-07/31/96	33	5.8	5.885	8.7	3.5	1.108	1.053	4.94	5.25	6.35	7.64
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/28/71-09/14/98	34	1.3	1.591	4.9	0.25	1.398	1.182	0.4	0.775	2.075	3.5
00400p	PH (STANDARD UNITS)	01/28/71-09/14/98	30	7.785	7.788	8.3	6.9	0.093	0.305	7.455	7.6	8.	8.2
00400p	CONVERTED PH (STANDARD UNITS)	01/28/71-09/14/98	30	7.785	7.67	8.3	6.9	0.107	0.328	7.455	7.6	8.	8.2

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

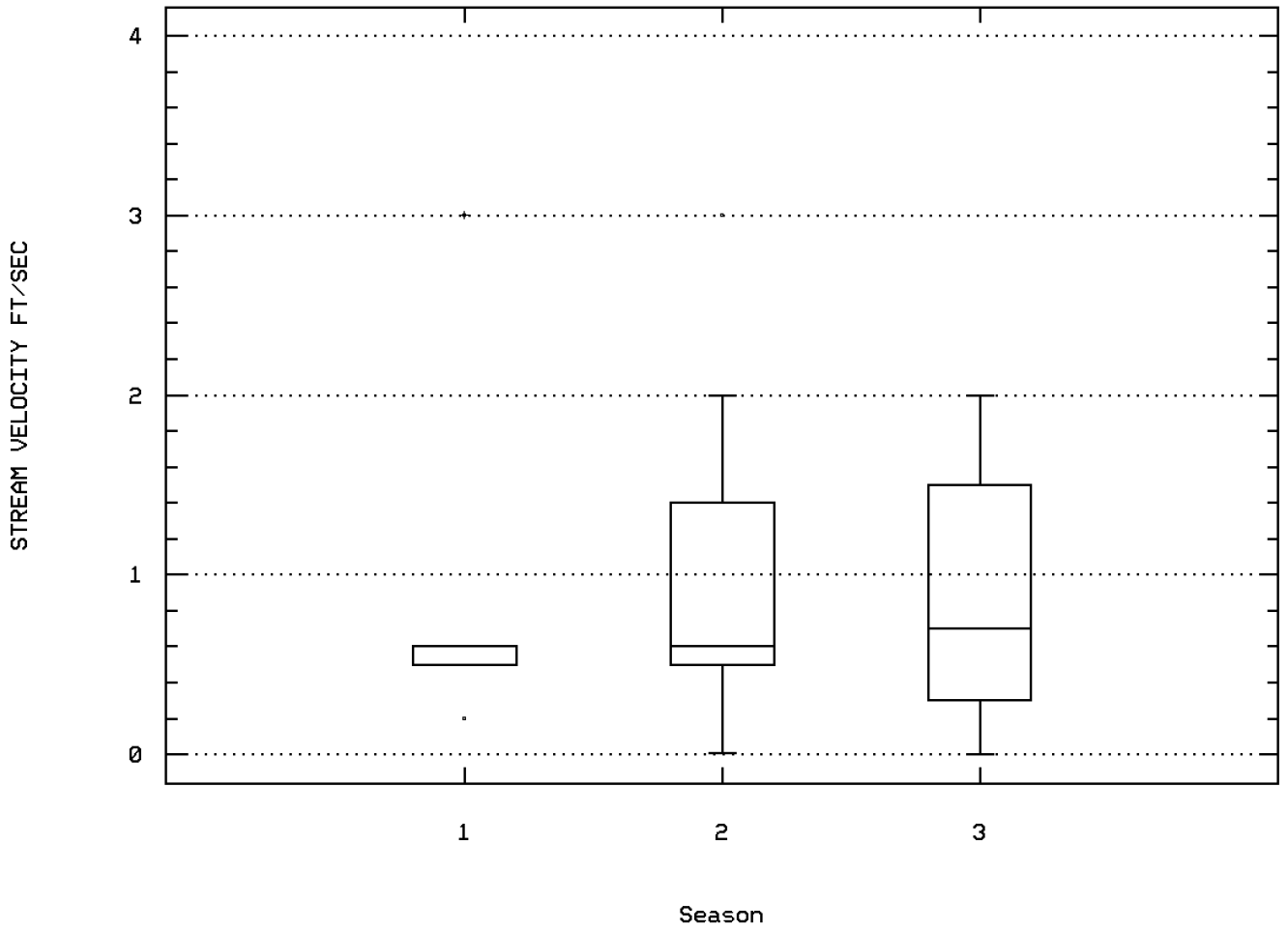
Seasonal Analysis for Season #3: 6/15 to 9/14 - Station FOMA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/71-09/14/98	30	0.016	0.021	0.126	0.005	0.	0.022	0.006	0.01	0.025	0.035
00403p	PH, LAB, STANDARD UNITS SU	04/27/71-09/14/98	31	7.9	7.91	8.2	7.6	0.021	0.145	7.72	7.8	8.	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/27/71-09/14/98	31	7.9	7.887	8.2	7.6	0.021	0.146	7.72	7.8	8.	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/71-09/14/98	31	0.013	0.013	0.025	0.006	0.	0.004	0.008	0.01	0.016	0.019
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/71-09/14/98	19	126.	123.053	295.	15.	2968.053	54.48	16.	118.	129.	136.
00480	SALINITY - PARTS PER THOUSAND	05/05/81-09/14/98	12	34.65	33.358	39.	19.	27.561	5.25	22.	31.925	35.85	38.76
00500	RESIDUE, TOTAL (MG/L)	01/28/71-04/24/78	10	41255.	39929.	42580.	32670.	9669054.444	3109.51	33137.	37670.	41960.	42542.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/71-04/24/78	10	6852.	6920.1	8644.	3846.	2595541.656	1611.068	4019.	5759.75	8638.	8644.
00510	RESIDUE, TOTAL FIXED (MG/L)	01/28/71-04/24/78	10	33075.	33009.	36940.	27090.	9355876.667	3058.738	27304.	31277.5	35957.5	36844.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/28/71-09/14/98	33	32.	53.121	161.	0.	1918.922	43.806	14.	21.	83.5	126.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/28/71-09/14/98	32	5.5	9.969	35.	0.	106.096	10.3	1.3	3.	15.75	31.2
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/28/71-09/14/98	32	26.	42.5	137.	0.	1351.226	36.759	11.	18.	59.75	111.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/73-06/03/98	25 ##	0.03	0.106	0.72	0.	0.038	0.194	0.003	0.005	0.109	0.504
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/71-03/10/82	18	0.01	0.03	0.19	0.	0.002	0.046	0.	0.003	0.05	0.091
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/74-06/03/98	31	0.489	0.482	1.37	0.005	0.105	0.324	0.05	0.2	0.67	0.92
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/19/77-06/03/98	19 ##	0.025	0.042	0.27	0.002	0.004	0.06	0.002	0.01	0.05	0.09
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/28/71-06/03/98	33	0.08	0.126	0.521	0.02	0.016	0.125	0.027	0.046	0.125	0.351
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	10/29/73-02/11/98	6	2.5	3.667	8.	1.	7.467	2.733	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/71-05/14/91	20	20232.5	19532.6	21013.	15290.	2779725.937	1667.251	16785.8	19312.	20567.5	20980.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/29/73-05/14/91	3	178.	1061.333	2920.	86.	2593097.333	1610.31	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/29/74-07/20/92	15	0.89	1.331	3.	0.78	0.709	0.842	0.786	0.87	1.25	2.958
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/03/73-09/14/98	12	13.5	92.083	350.	1.	21820.447	147.717	1.6	6.25	253.25	344.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/03/73-09/14/98	12	1.115	1.29	2.544	0.	0.693	0.832	0.143	0.795	2.229	2.536
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			19.49								
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/23/71-04/04/95	30	20.5	111.8	1100.	1.	51175.545	226.22	1.	2.	95.5	348.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/23/71-04/04/95	30	1.312	1.239	3.041	0.	0.908	0.953	0.	0.301	1.972	2.542
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			17.353								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	26 ##	3.	21.462	330.	1.	4183.218	64.678	1.	1.	11.75	44.1
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/20/72-04/04/95	26 ##	0.452	0.611	2.519	0.	0.501	0.708	0.	0.	1.068	1.616
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.081								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	01/16/80-03/14/90	13	7.26	6.145	13.8	0.68	12.492	3.534	1.316	3.285	8.45	11.768
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/28/71-07/20/92	20	0.033	0.039	0.1	0.	0.001	0.031	0.	0.018	0.065	0.089
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/17/77-09/14/98	23	15.	14.491	30.	2.	54.07	7.353	6.	8.	20.	25.76

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

Station: FOMA0041 Parameter Code: 00055

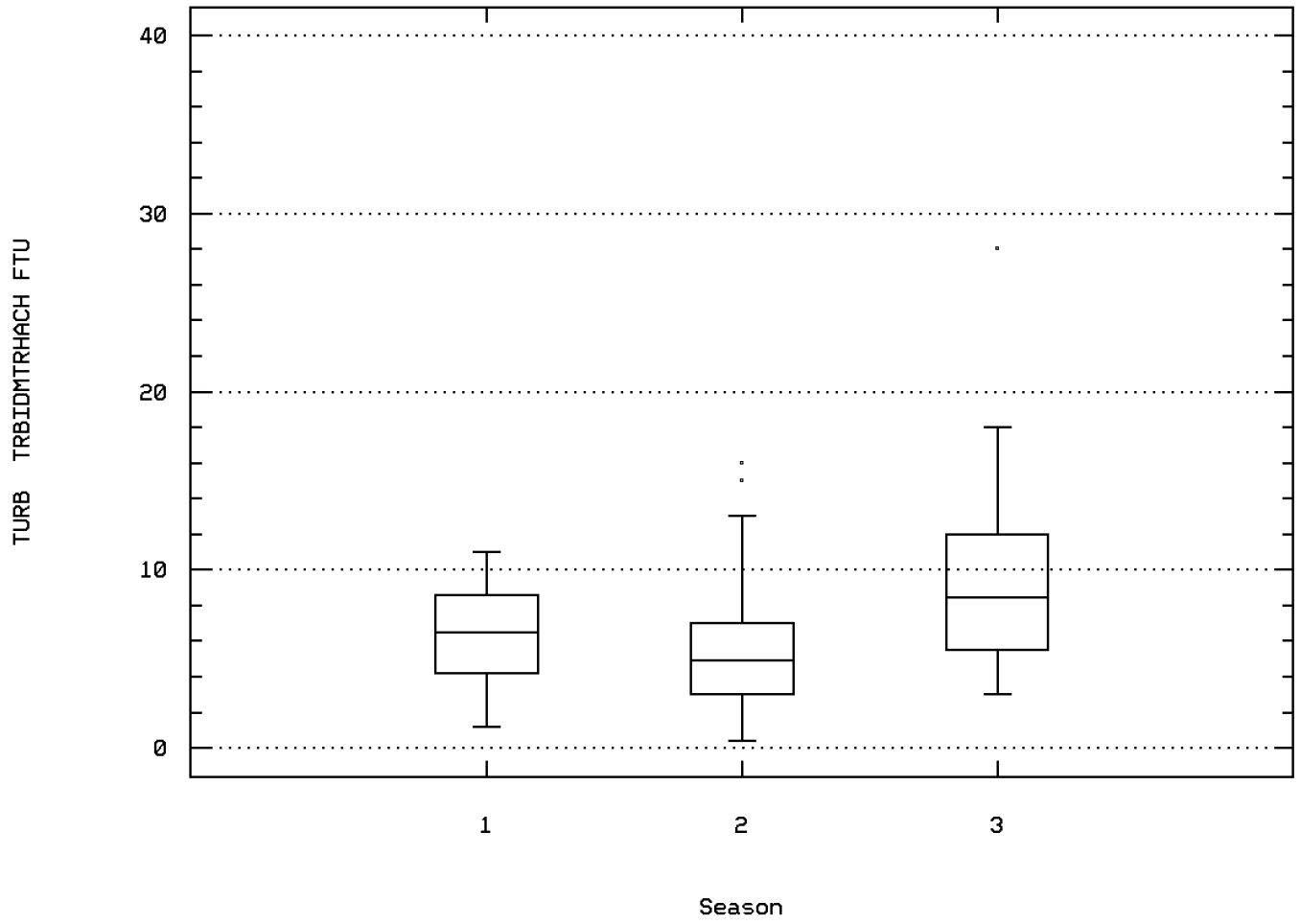
VELOCITY, STREAM



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00076

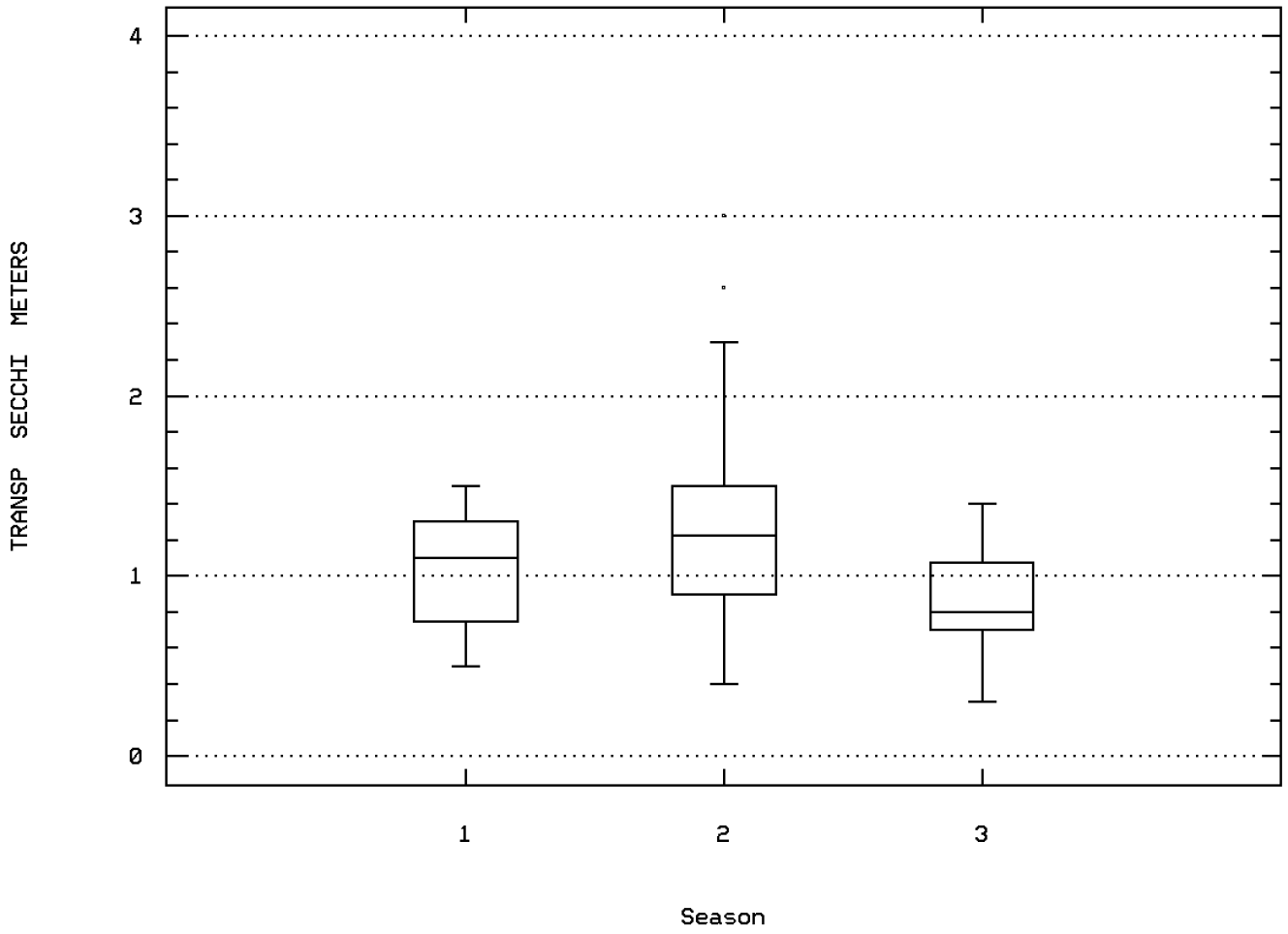
TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00078

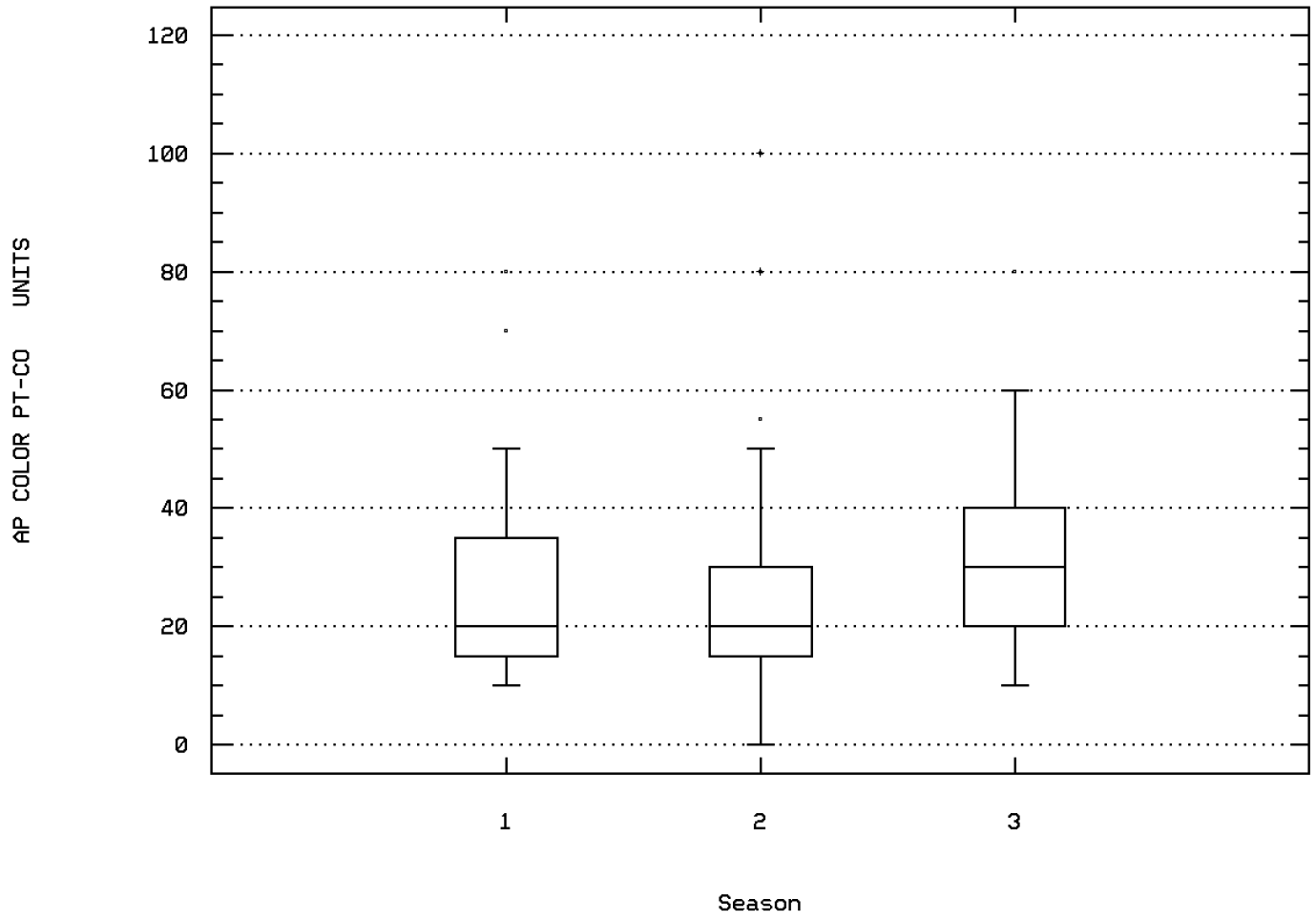
TRANSPARENCY, SECCHI DISC (METERS)



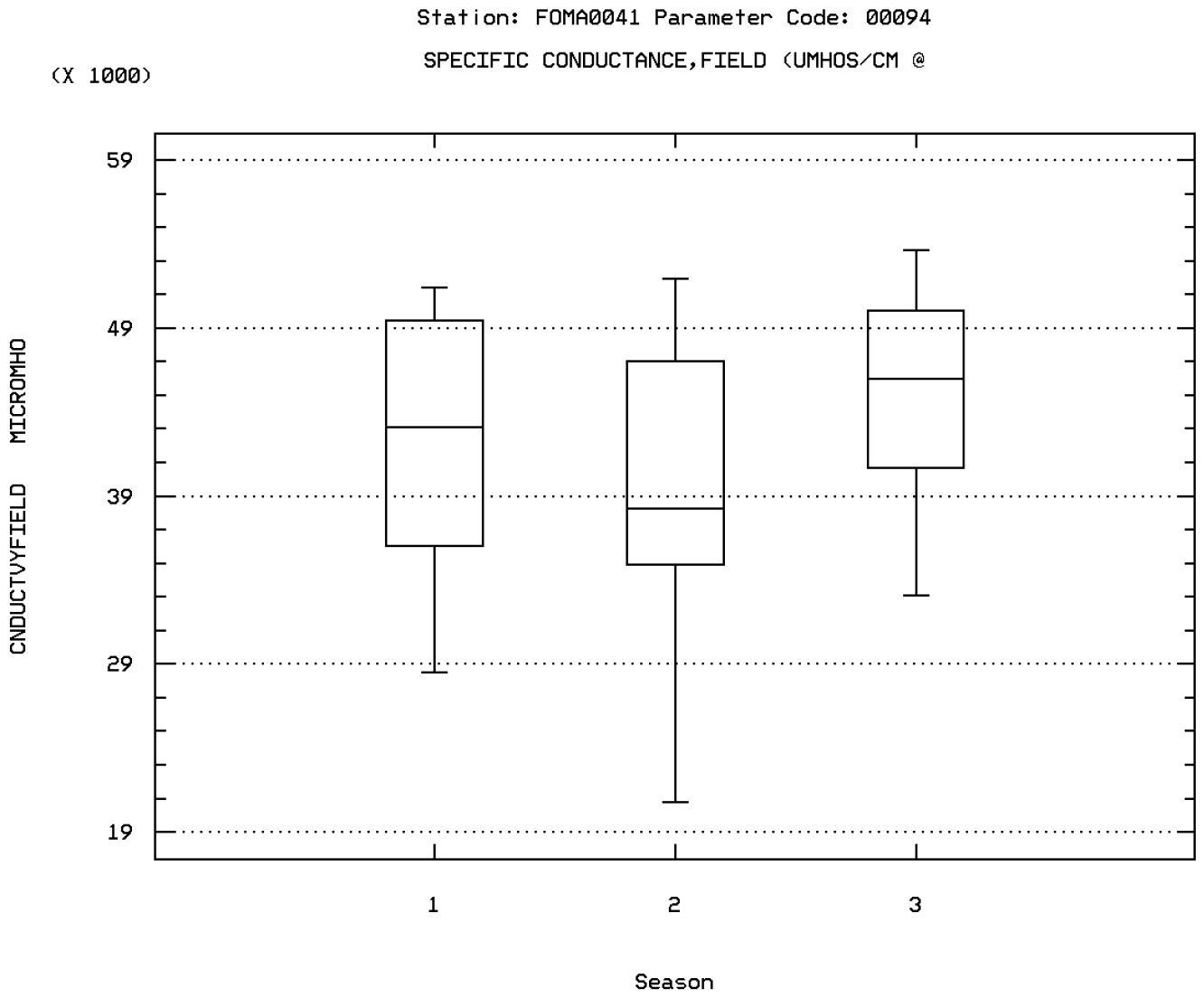
ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00081

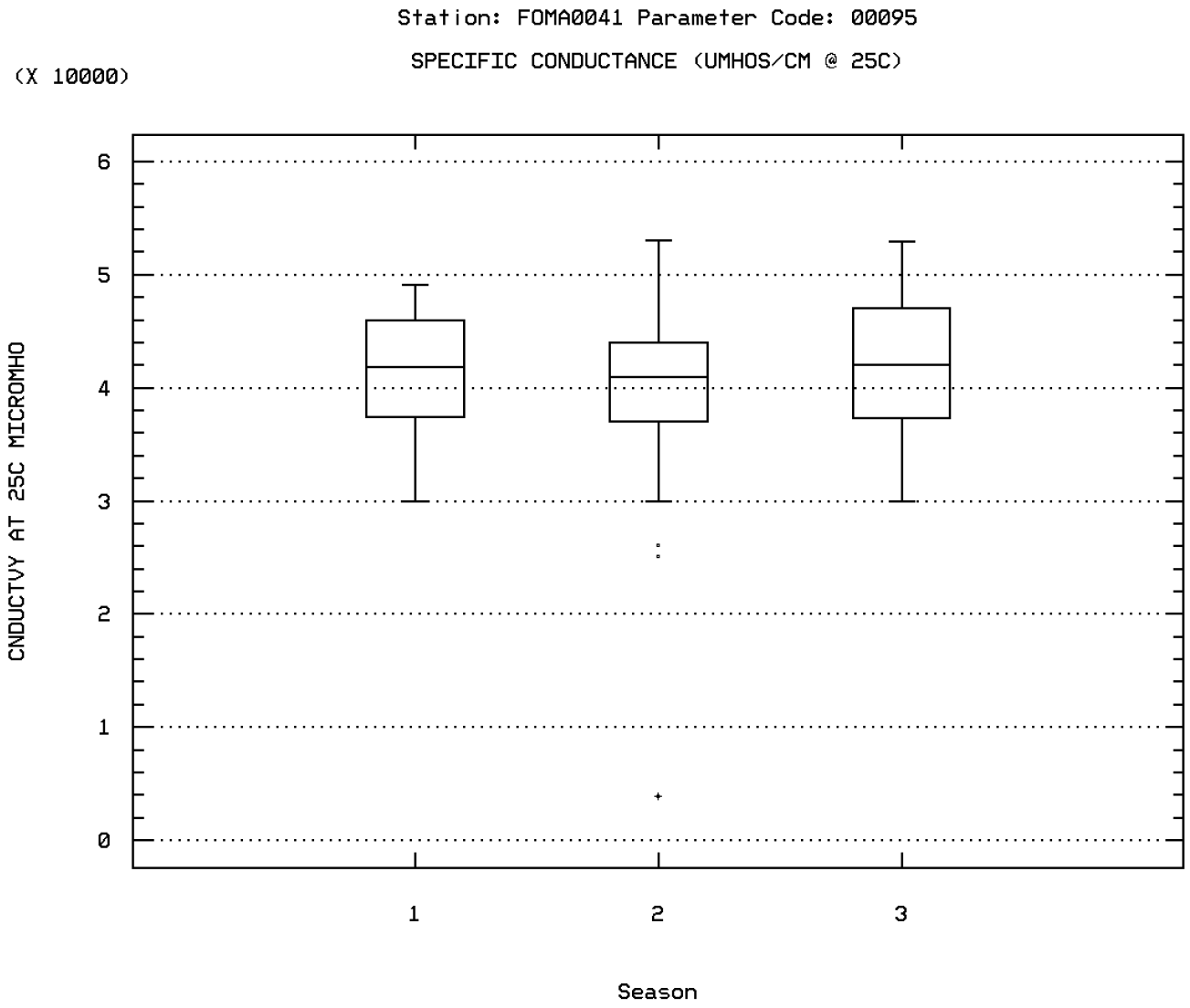
COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-



ICWW MARKER 60 N CRESCENT BCH BR



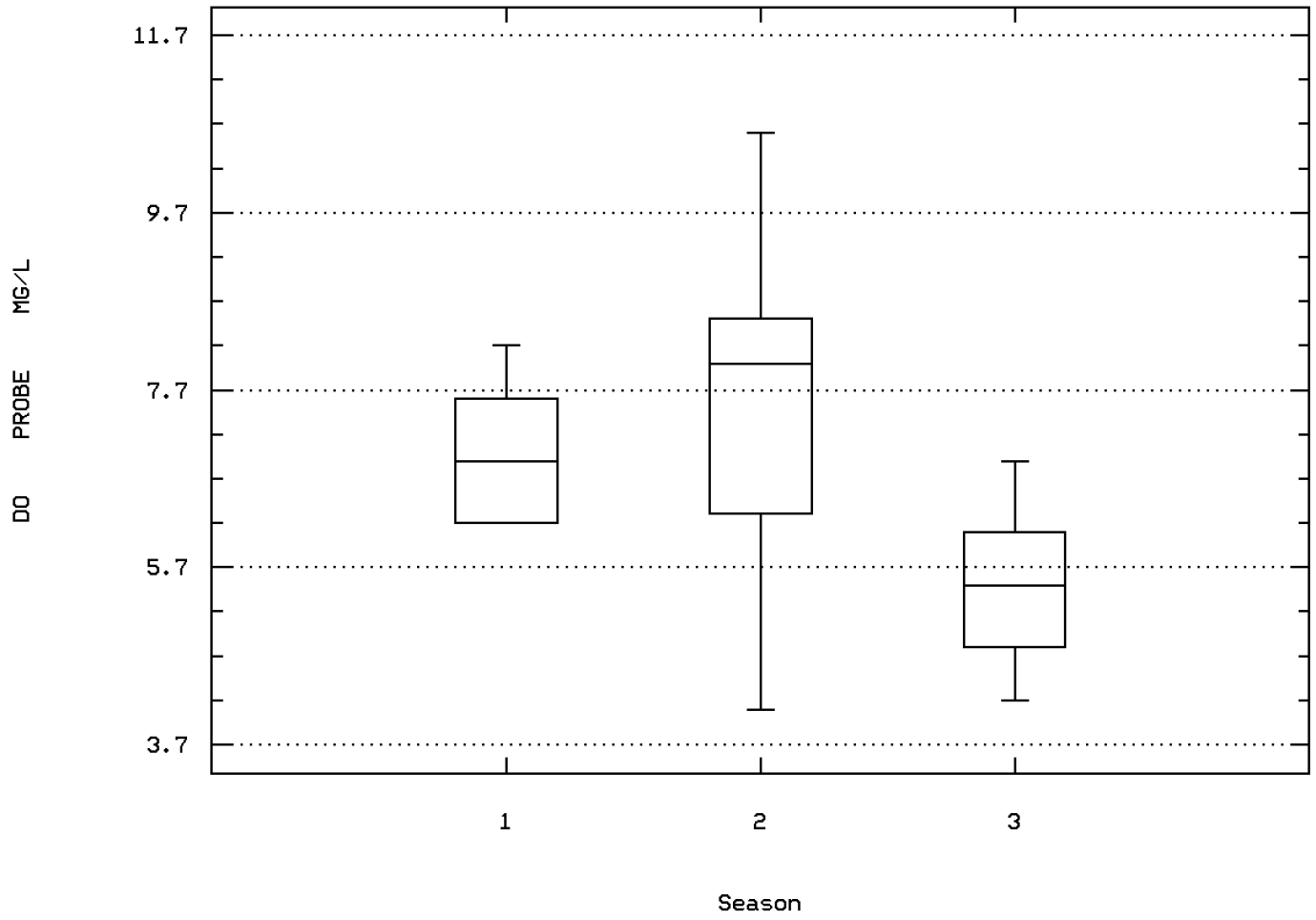
ICWW MARKER 60 N CRESCENT BCH BR



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00299

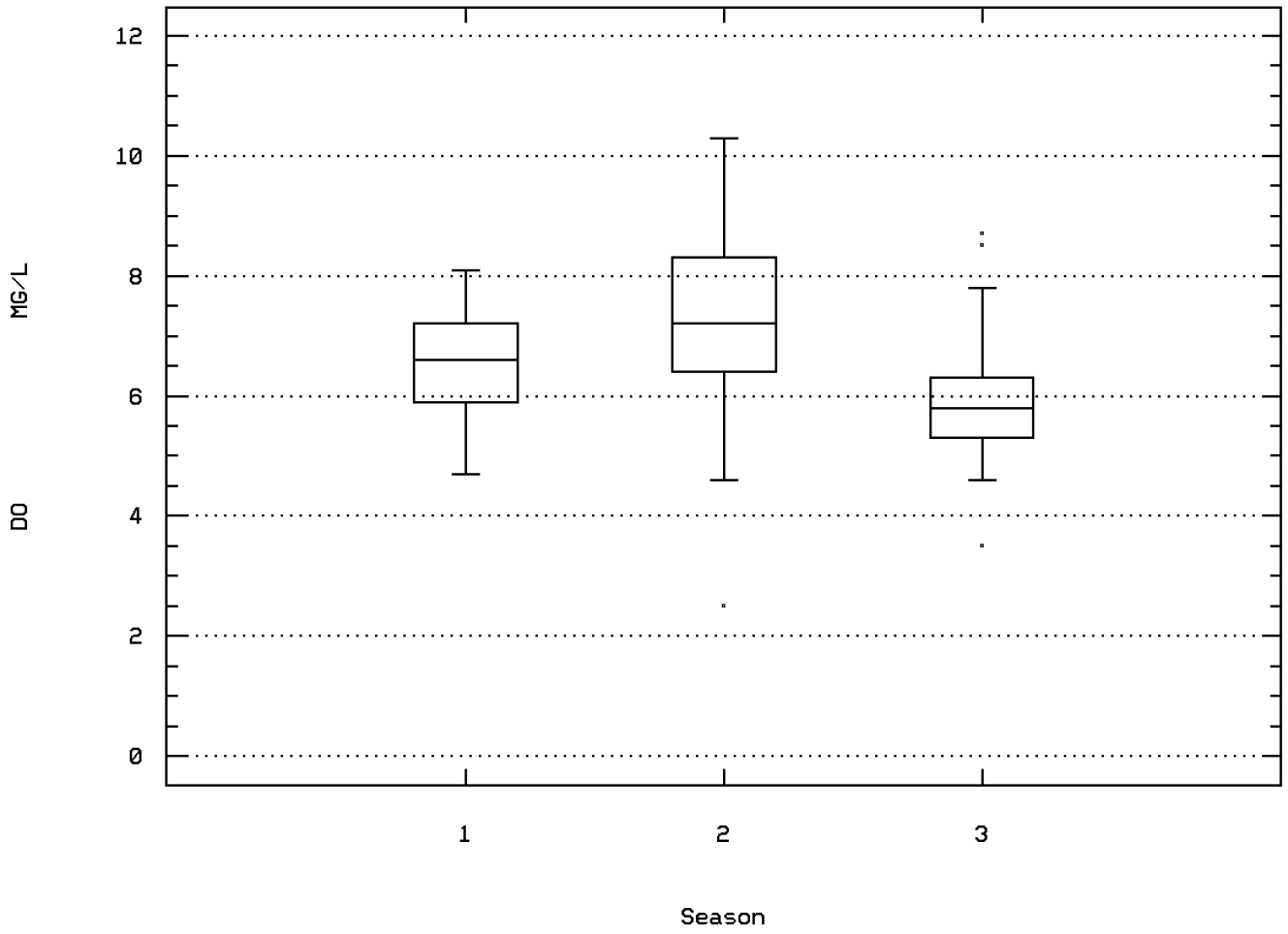
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00300

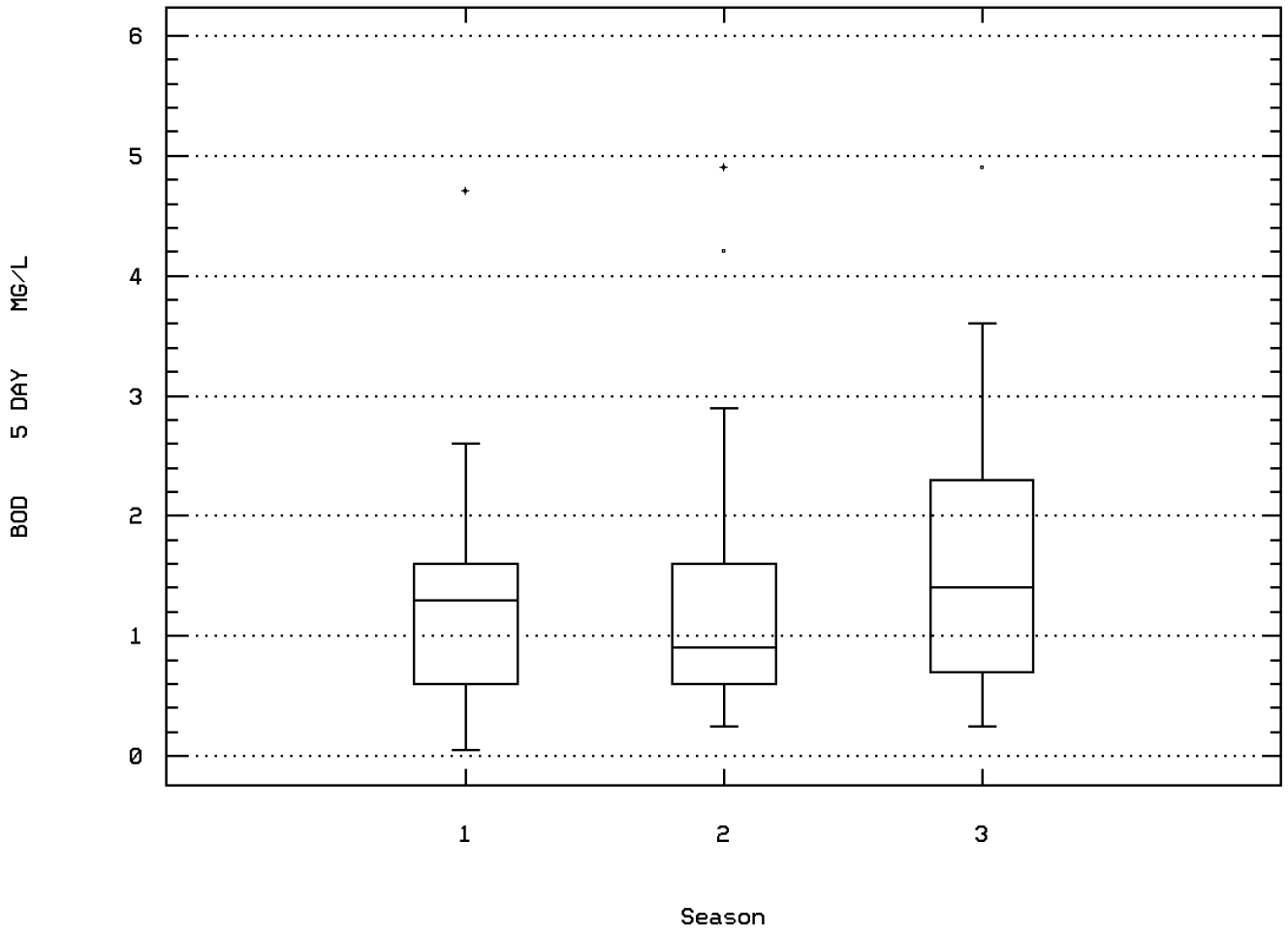
OXYGEN, DISSOLVED



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00310

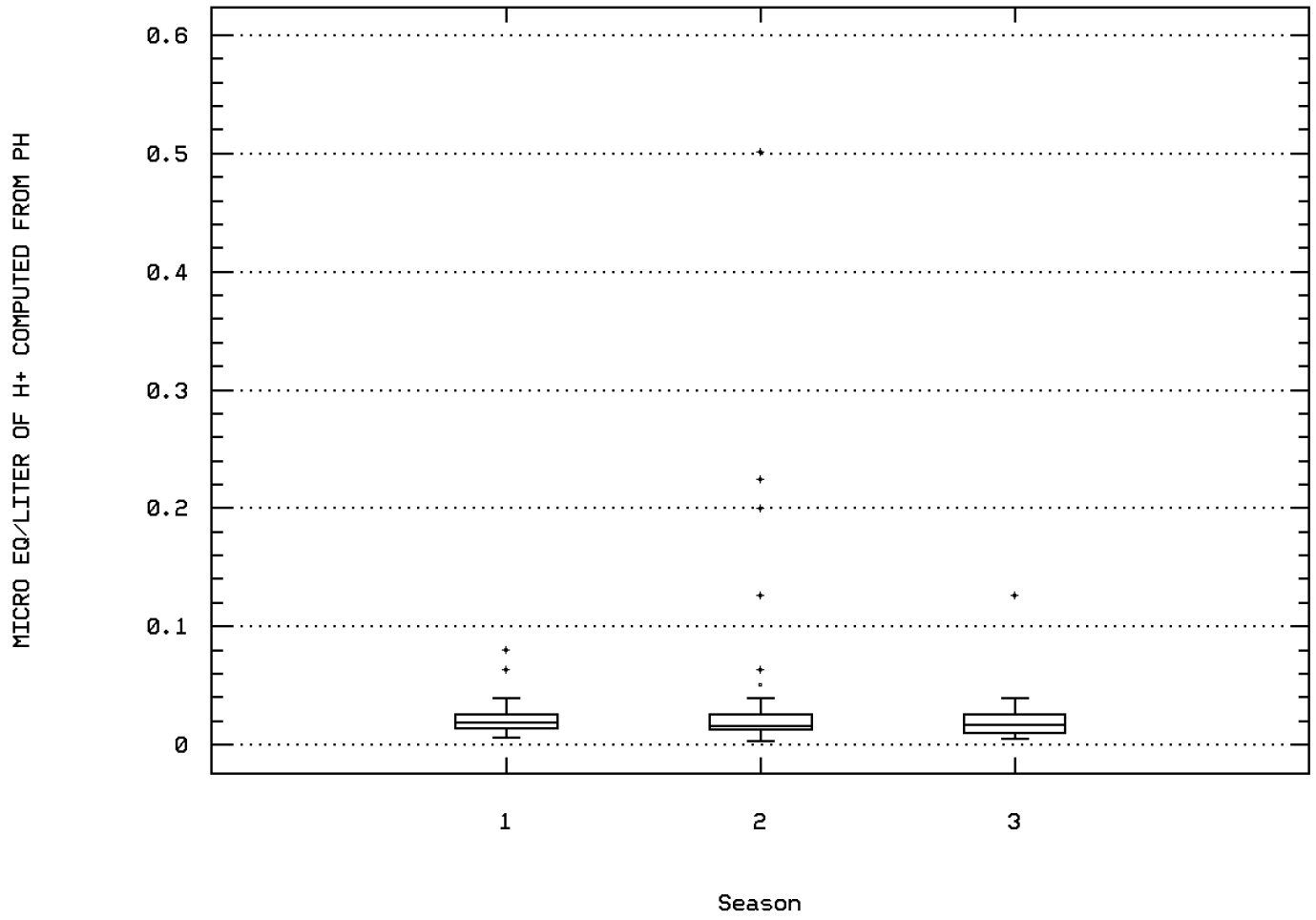
BOD, 5 DAY, 20 DEG C



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00400

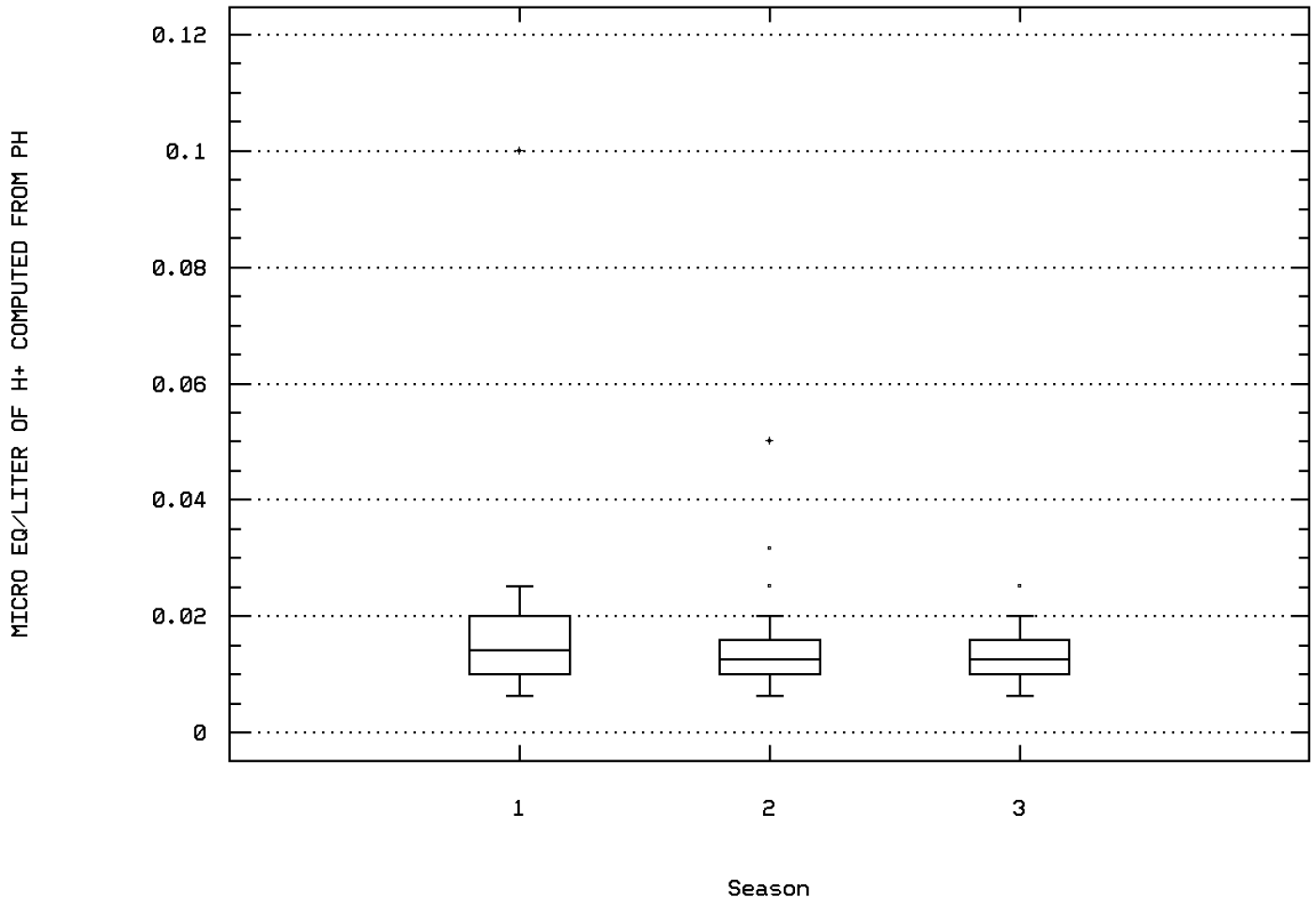
MICRO EQ/LITER OF H+ COMPUTED FROM PH



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00403

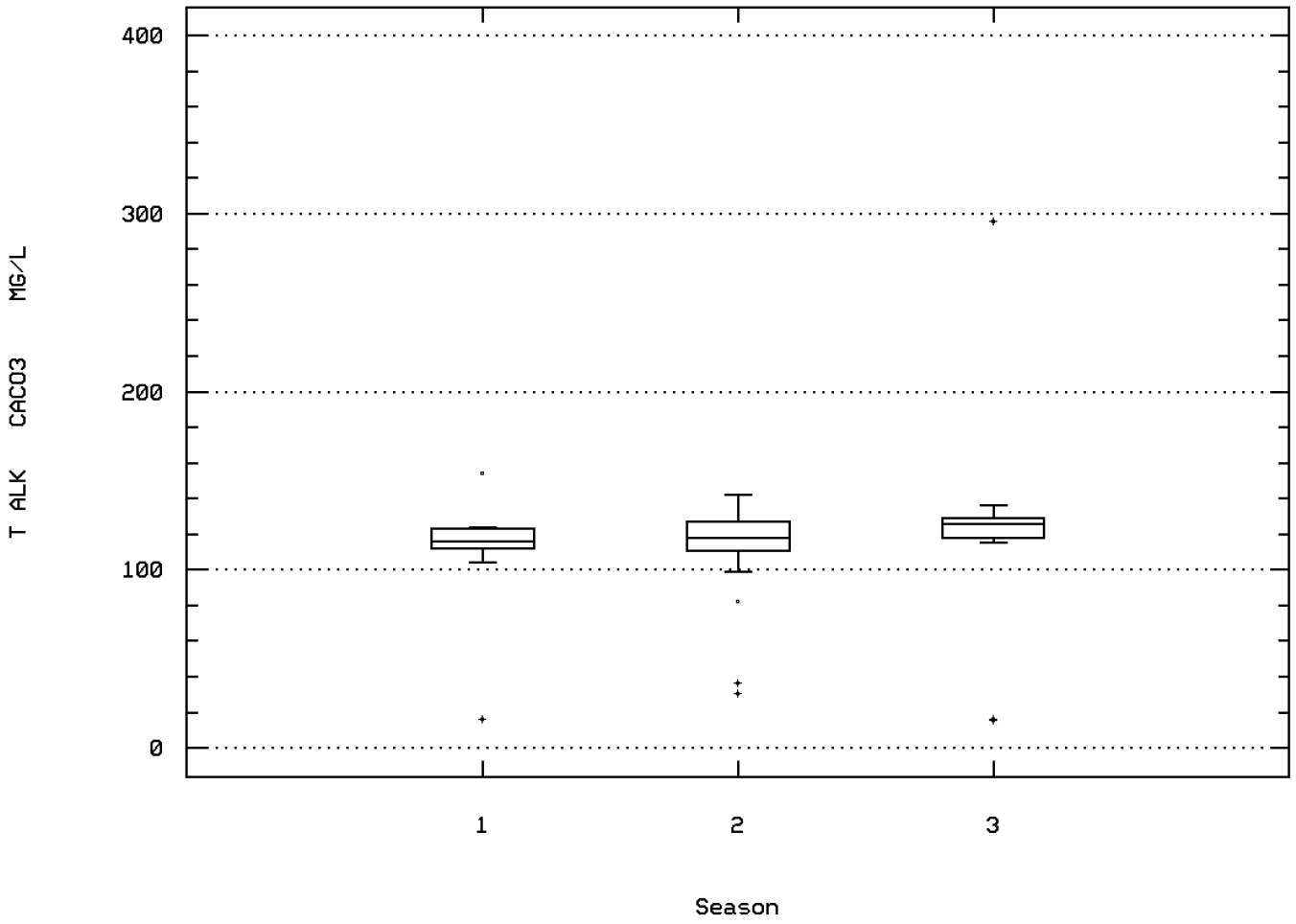
MICRO EQ/LITER OF H+ COMPUTED FROM PH



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00410

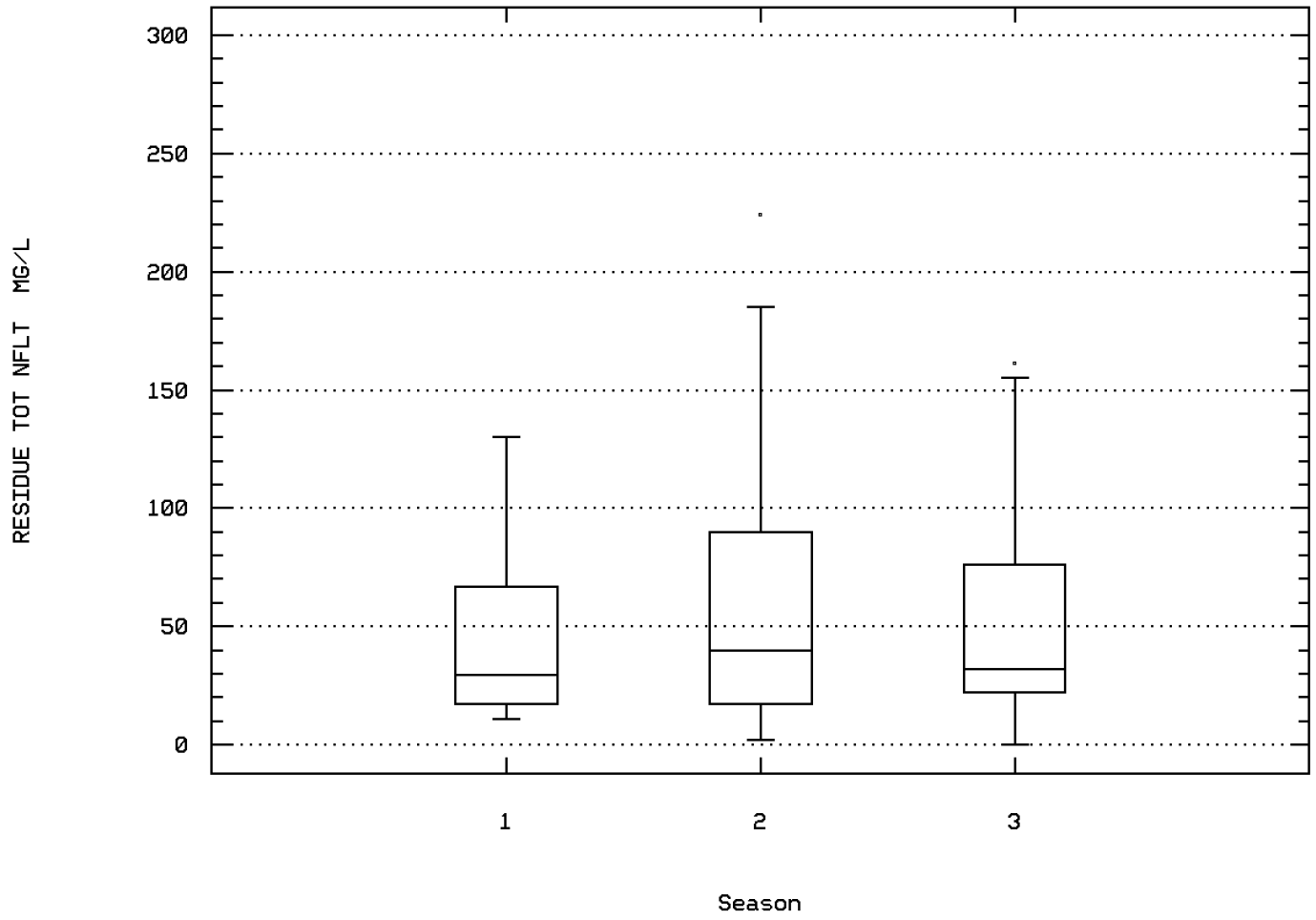
ALKALINITY, TOTAL (MG/L AS CACO3)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00530

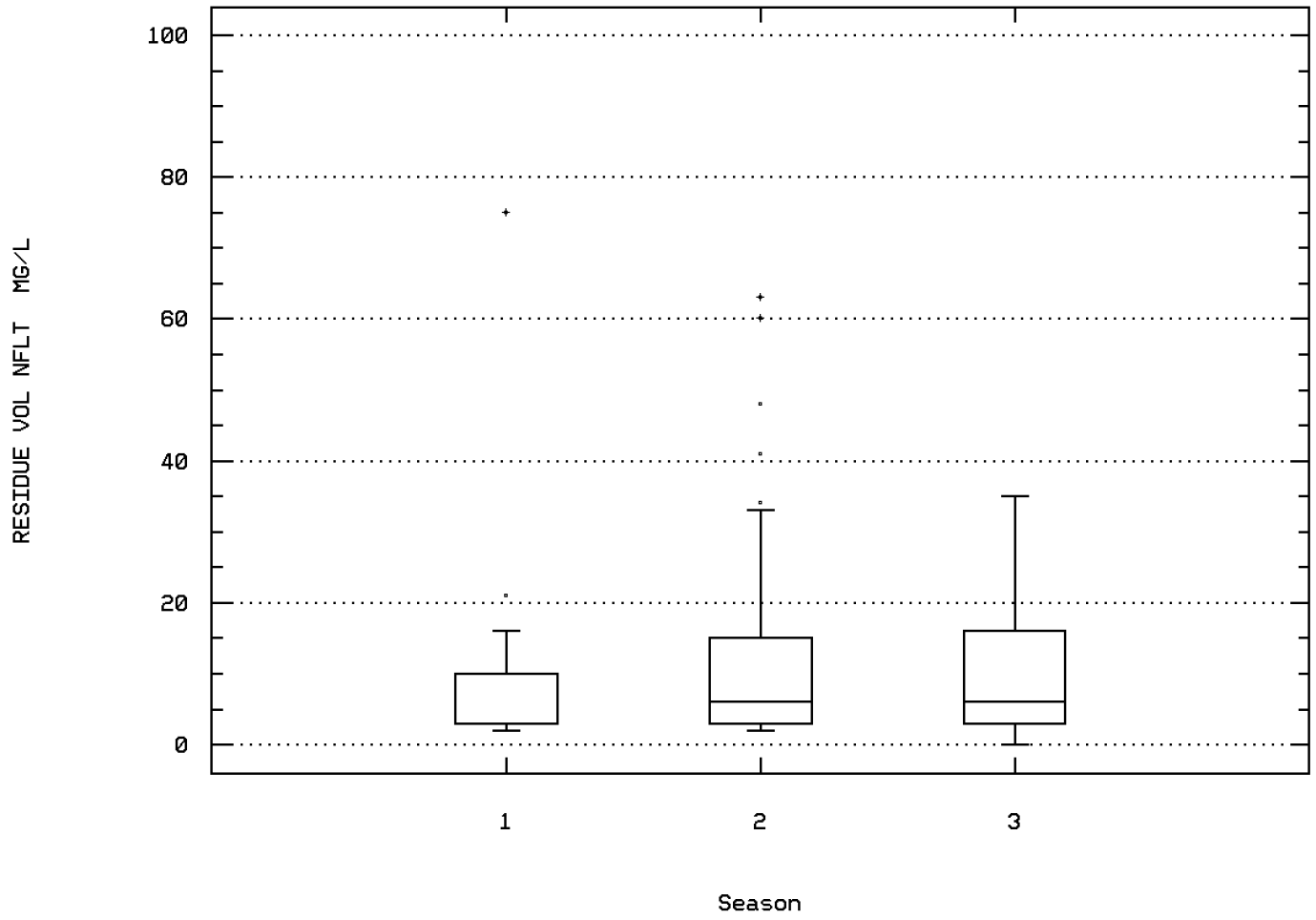
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00535

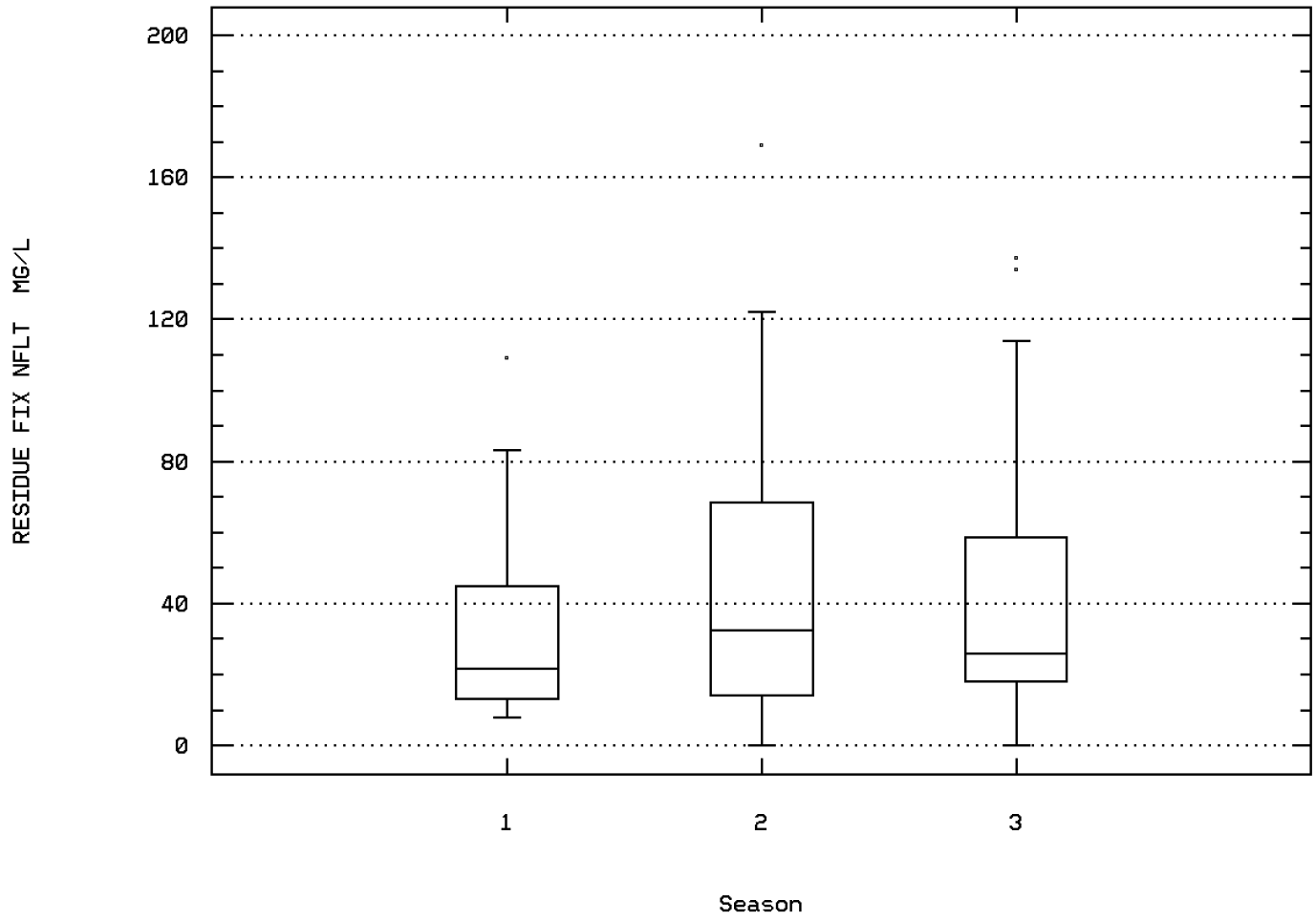
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00540

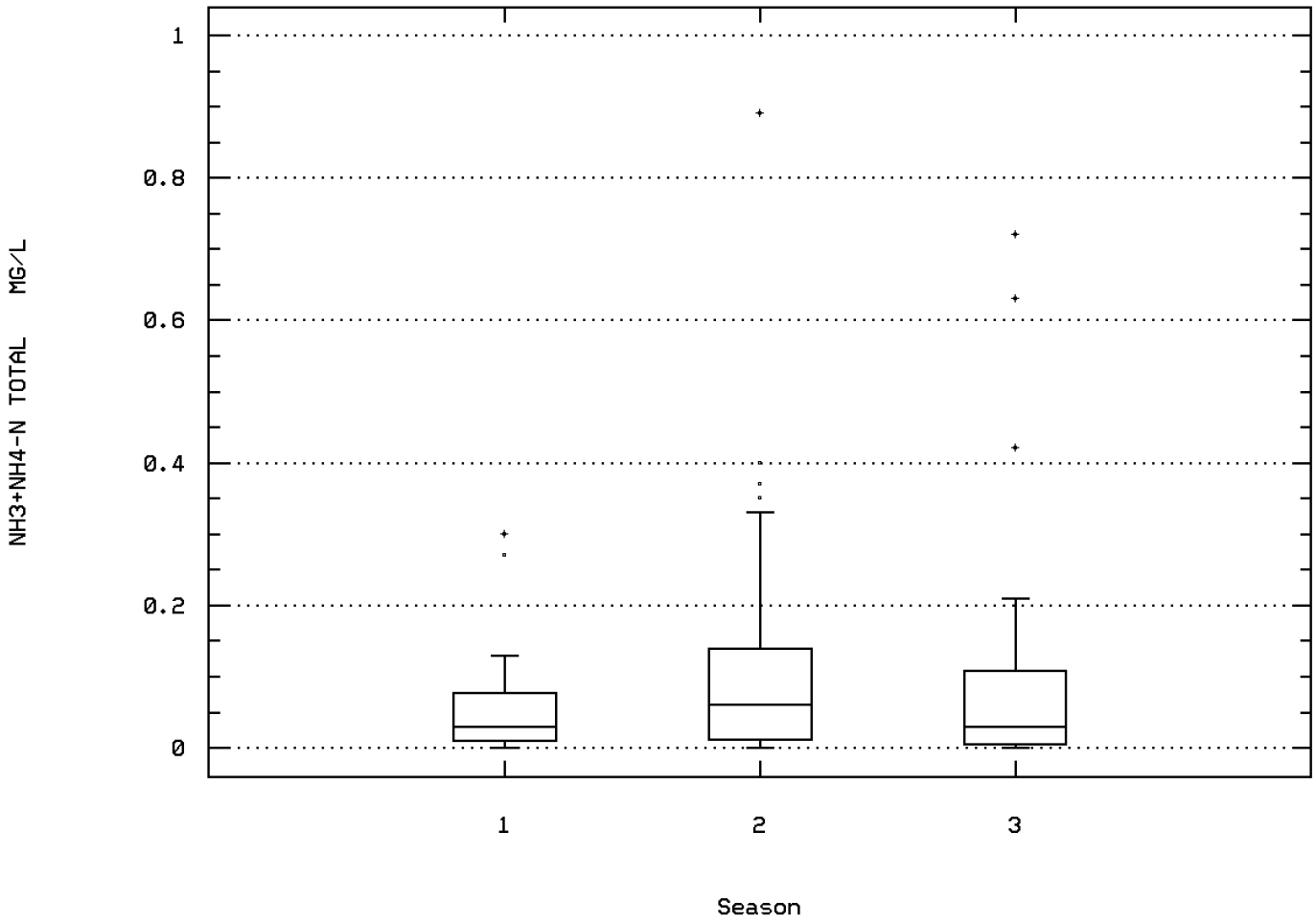
RESIDUE, FIXED NONFILTRABLE (MG/L)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00610

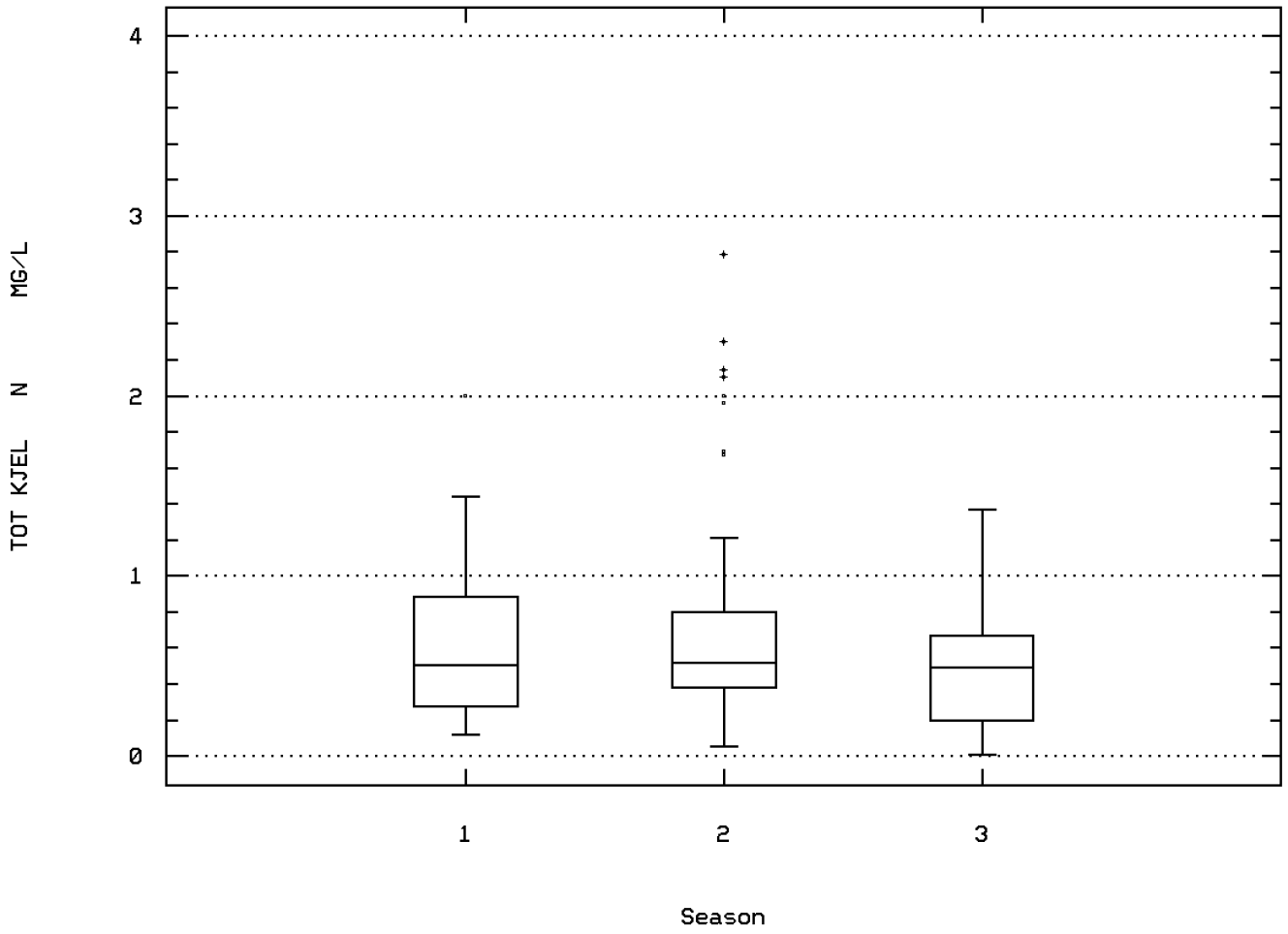
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00625

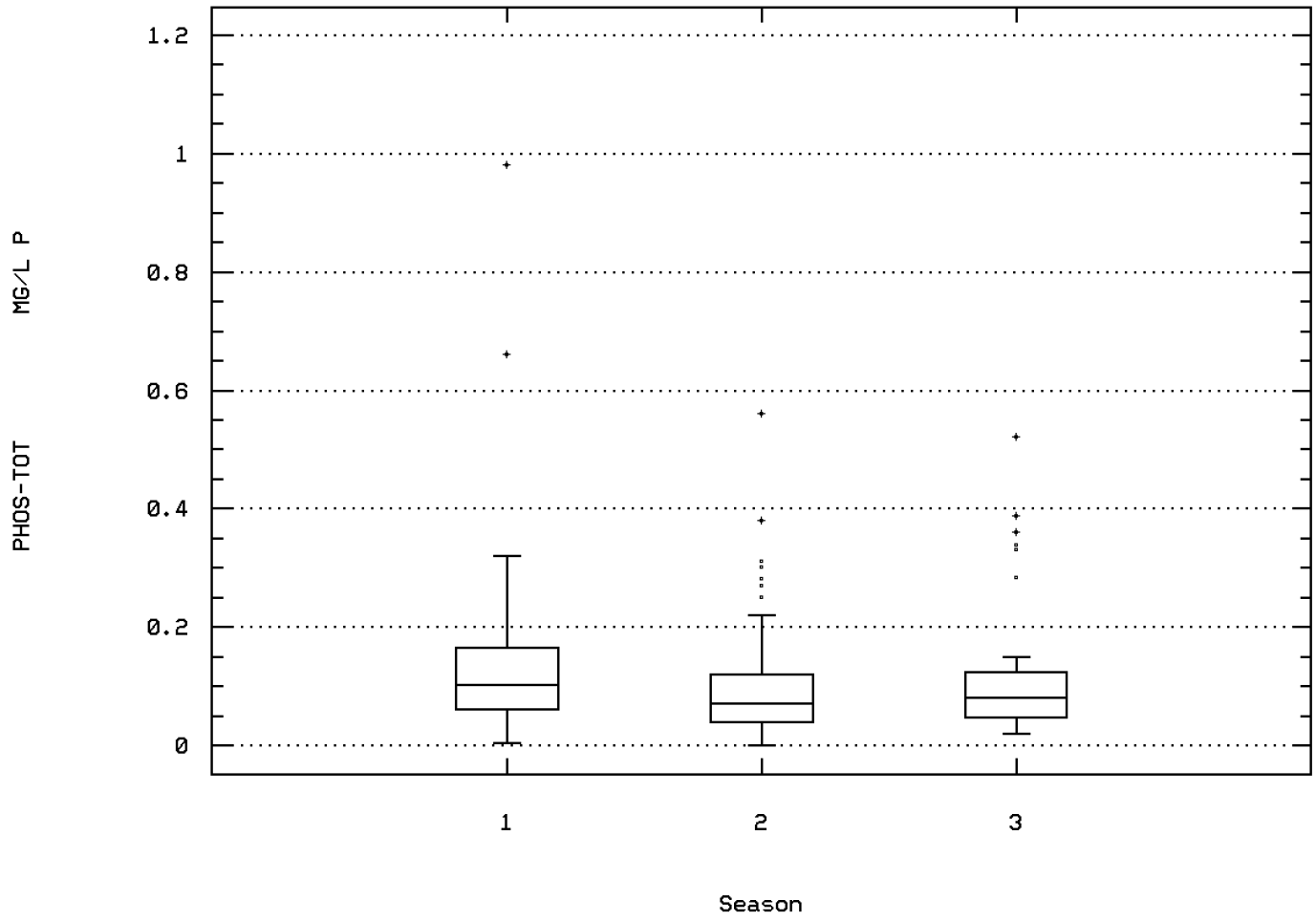
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00665

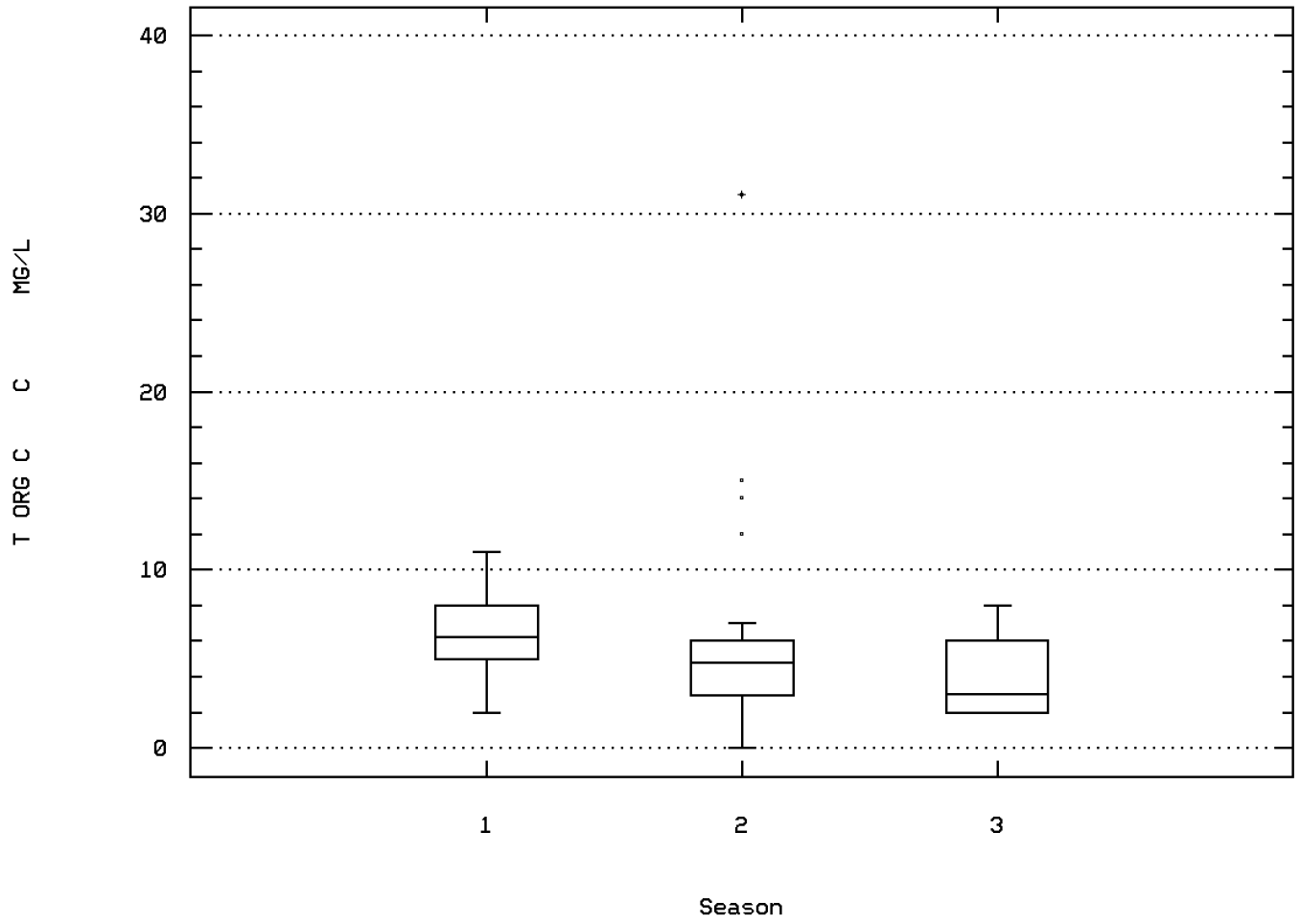
PHOSPHORUS, TOTAL (MG/L AS P)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 00680

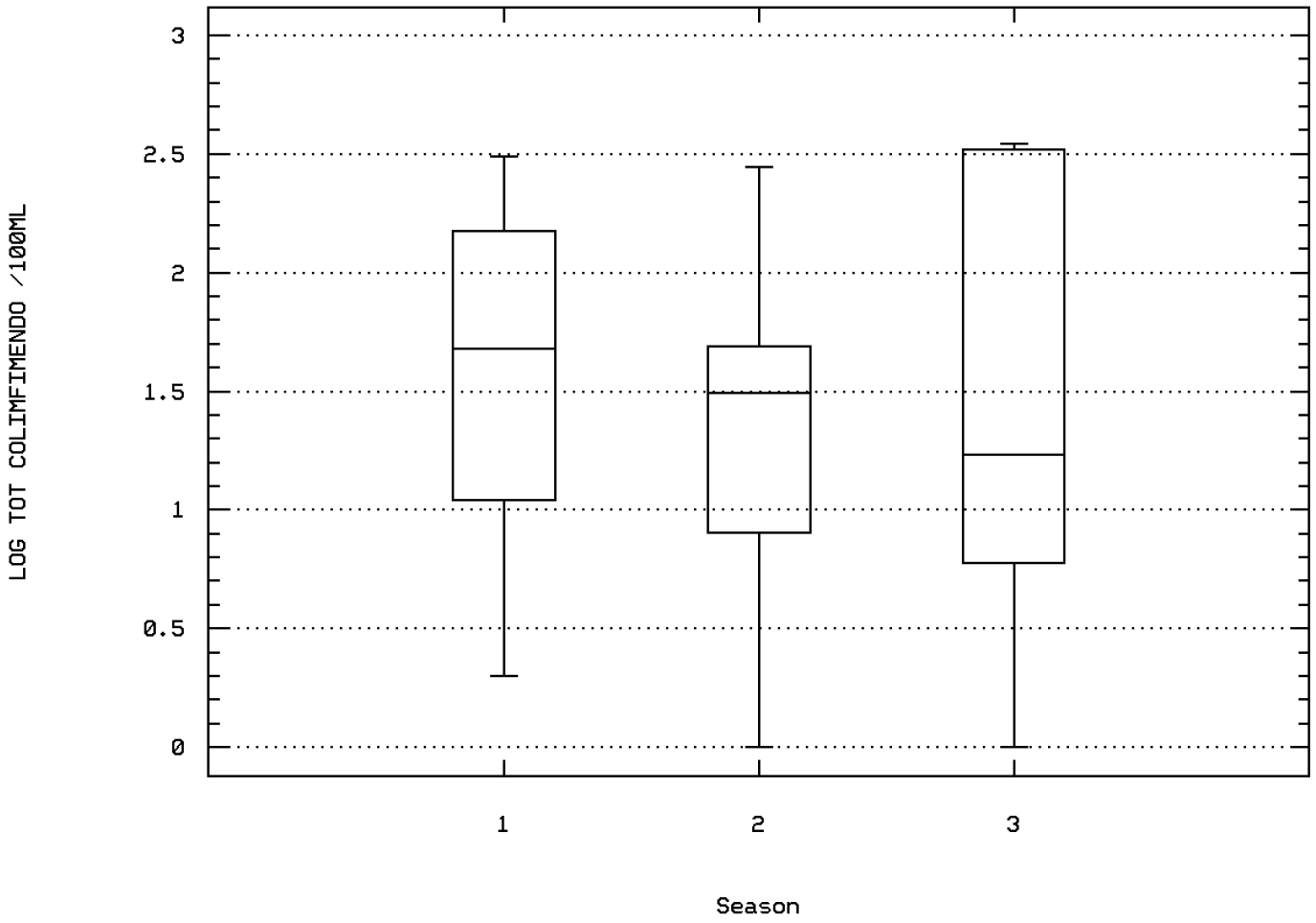
CARBON, TOTAL ORGANIC (MG/L AS C)



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 31501

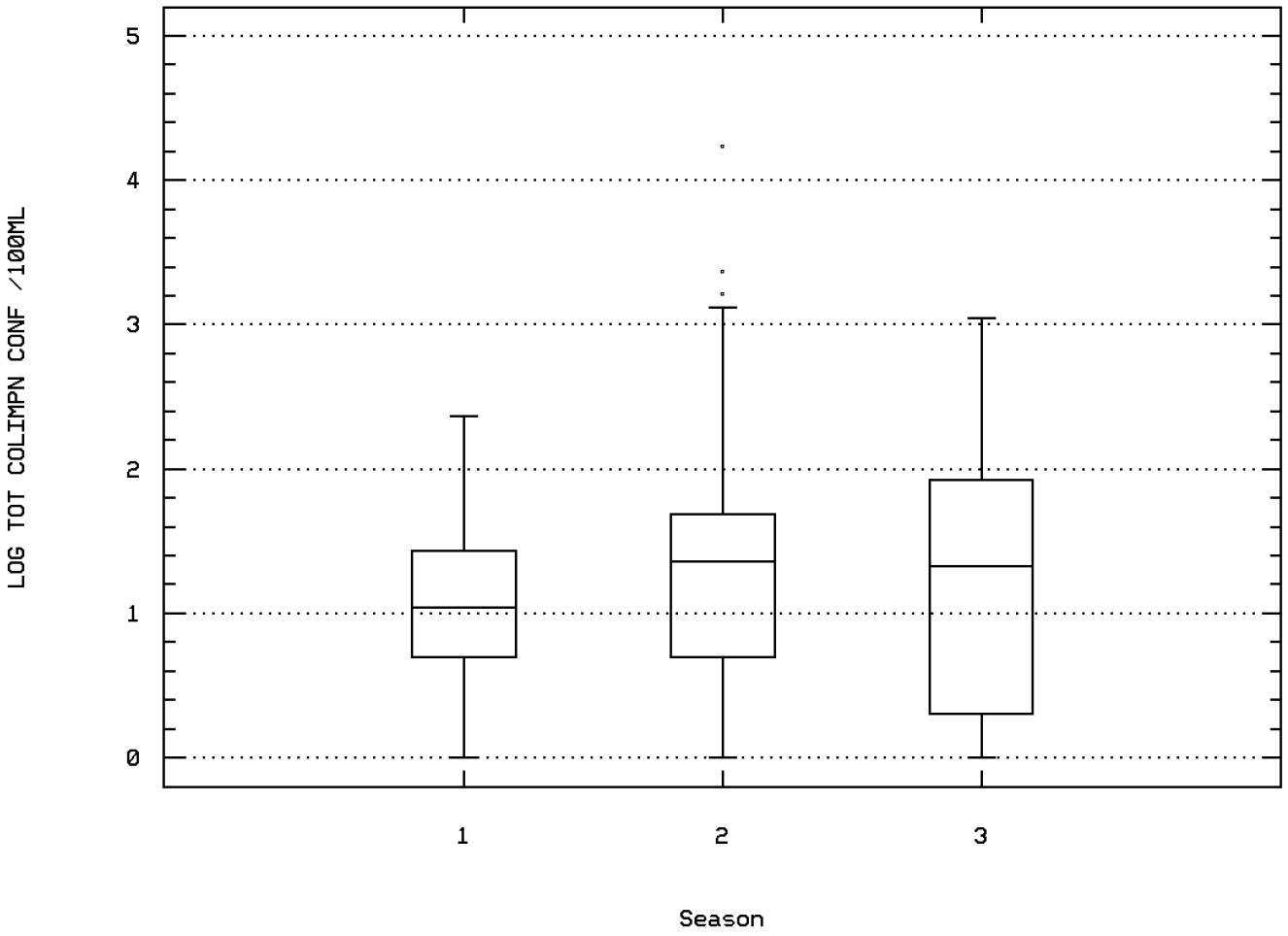
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 31505

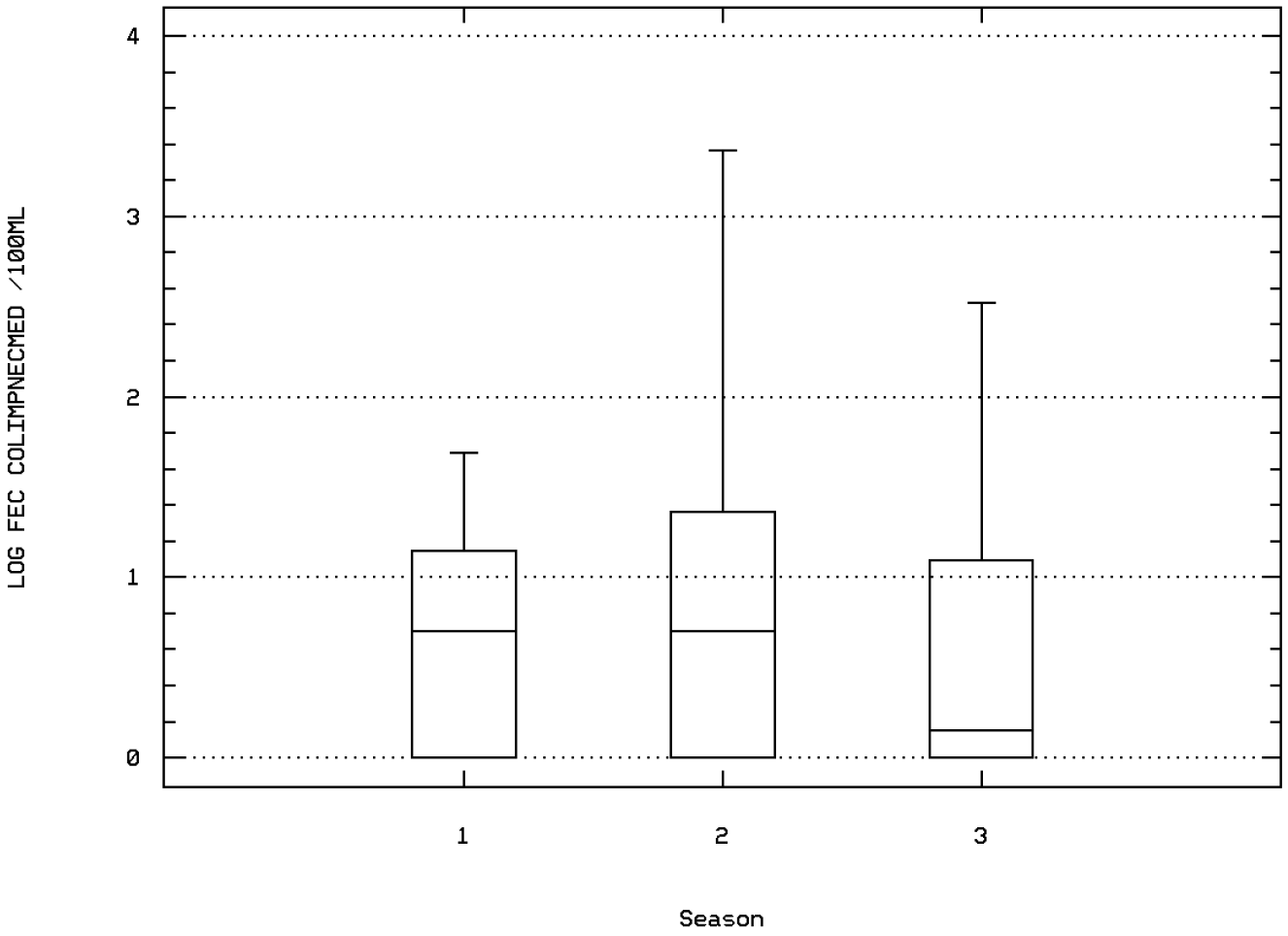
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



ICWW MARKER 60 N CRESCENT BCH BR

Station: FOMA0041 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



ICWW MARKER 60 N CRESCENT BCH BR

EPA Water Quality Criteria Analysis for Entire FOMA Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/15-11/14 Obs	9/15-11/14 Exceed	9/15-11/14 Prop.	11/15-6/14 Obs	11/15-6/14 Exceed	11/15-6/14 Prop.	6/15-9/14 Obs	6/15-9/14 Exceed	6/15-9/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	74	1	0.01	8	0	0.00	46	1	0.02	20	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	161	0	0.00	36	0	0.00	90	0	0.00	35	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3610	68	0.02	723	1	0.00	2024	58	0.03	863	9	0.01			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	259	11	0.04	54	1	0.02	142	3	0.02	63	7	0.11			
00400	PH	Fresh Chronic	9.	18	0	0.00	2	0	0.00	12	0	0.00	4	0	0.00			
		Marine Chronic	8.5	195	5	0.03	42	1	0.02	109	4	0.04	44	0	0.00			
		Other-Lo Lim.	6.5	213	1	0.00	44	0	0.00	121	1	0.01	48	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				2	0	0.00						
		Marine Chronic	8.5	3534	19	0.01	635	0	0.00	1947	5	0.00	952	14	0.01			
		Other-Lo Lim.	6.5	3536	0	0.00	635	0	0.00	1949	0	0.00	952	0	0.00			
00406	PH, FIELD	Marine Chronic	8.5	32	0	0.00	9	0	0.00	10	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	32	0	0.00	9	0	0.00	10	0	0.00	13	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	3	0	0.00	10	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	20	20	1.00	3	3	1.00	13	13	1.00	4	4	1.00			
		Drinking Water	250.	20	20	1.00	3	3	1.00	13	13	1.00	4	4	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	19	18	0.95	3	3	1.00	12	12	1.00	4	3	0.75			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				2	0	0.00						
01026	CADMIUM, SUSPENDED	Marine Acute	43.	3 &	0	0.00				3	0	0.00						
01027	CADMIUM, TOTAL	Marine Acute	43.	26	1	0.04	4	0	0.00	16	0	0.00	6	1	0.17			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
		Marine Acute	2.9	3	1	0.33				3	1	0.33						
01042	COPPER, TOTAL	Marine Acute	2.9	9 &	7	0.78	1	1	1.00	5	4	0.80	3	2	0.67			
01051	LEAD, TOTAL	Marine Acute	220.	27	2	0.07	4	0	0.00	17	1	0.06	6	1	0.17			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Marine Acute	95.	22 &	10	0.45	4	3	0.75	13	4	0.31	5	3	0.60			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	87	0	0.00	21	0	0.00	52	0	0.00	14	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	177	9	0.05	31	0	0.00	101	6	0.06	45	3	0.07			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	15	0	0.00	5	0	0.00	9	0	0.00	1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	40	1	0.03	10	0	0.00	23	0	0.00	7	1	0.14			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	147	3	0.02	31	0	0.00	84	2	0.02	32	1	0.03			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	33	1	0.03	10	0	0.00	17	1	0.06	6	0	0.00			
71900	MERCURY, TOTAL	Marine Acute	2.1	2	0	0.00	1	0	0.00	1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3377	0	0.00	603	0	0.00	1856	0	0.00	918	0	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 FOMA 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 FOMA Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	142	59	21	62	6
00435	ACIDITY, TOTAL (MG/L AS CACO3)	78	0	20	58	4
00440	BICARBONATE ION (MG/L AS HCO3)	1	0	1	0	1
00445	CARBONATE ION (MG/L AS CO3)	1	0	1	0	1
		222	59	43	120	12 (6)[!]

pH		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	213	102	61	50	9
00403	PH, LAB (STANDARD UNITS)	3536	3444	72	20	35
00406	PH, FIELD (STANDARD UNITS)	32	32	0	0	1
		3781	3578	133	70	45 (39)[!]

Conductivity		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	133	100	33	0	7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	195	87	70	38	6
00480	SALINITY - PARTS PER THOUSAND	118	107	11	0	8
		446	294	114	38	21 (10)[!]

Dissolved Oxygen		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	3610	3602	8	0	36
00300	OXYGEN, DISSOLVED (MG/L)	259	112	77	70	6
		3869	3714	85	70	42 (38)[!]

Water Temperature		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	4834	4679	91	64	39
		4834	4679	91	64	39 (39)[!]

Flow		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00067	TIDE STAGE CODE	3370	3360	0	10	30
		3370	3360	0	10	30 (30)[!]

[!]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00070	TURBIDITY, (JACKSON CANDLE UNITS)	74	0	7	67	4	
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	161	86	75	0	5	
00077	TRANSPARENCY, SECCHI DISC (INCHES)	15	12	1	2	3	
00078	TRANSPARENCY, SECCHI DISC (METERS)	167	100	67	0	8	
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	242	100	75	67	8	
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	3377	3377	0	0	30	
		4036	3675	225	136	58	(38)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	14	0	4	10	4	
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	184	94	75	15	6	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	1	0	1	0	1	
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	124	0	58	66	5	
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	168	93	74	1	6	
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	123	101	22	0	5	
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	27	0	0	27	4	
		641	288	234	119	31	(6)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	35	0	0	35	5	
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	32	0	0	32	4	
00665	PHOSPHORUS, TOTAL (MG/L AS P)	234	99	79	56	6	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	1	0	1	0	1	
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	148	34	46	68	6	
		450	133	126	191	22	(6)[1]

Chlorophyll		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	20	15	4	1	2	
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	65	53	12	0	5	
32230	CHLOROPHYLL A (MG/L)	3	0	0	3	3	
		88	68	16	4	10	(6)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00900	HARDNESS, TOTAL (MG/L AS CACO3)	55	0	5	50	5	
00945	SULFATE, TOTAL (MG/L AS SO4)	49	27	13	9	6	
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	18	18	0	0	2	
		122	45	18	59	13	(6)[1]

Bacteria		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	87	48	23	16	4	
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	177	38	73	66	5	
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	15	15	0	0	4	
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	40	0	5	35	5	
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	147	38	73	36	5	
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	33	33	0	0	2	
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	4	4	0	0	1	
		503	176	174	153	26	(5)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 09/14/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
01026	CADMIUM, SUSPENDED (UG/L AS CD)	4	0	3	1	1	
01027	CADMIUM, TOTAL (UG/L AS CD)	26	0	14	12	2	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	1	1	0	0	1	
01034	CHROMIUM, TOTAL (UG/L AS CR)	3	0	3	0	1	
01040	COPPER, DISSOLVED (UG/L AS CU)	4	1	2	1	2	
01042	COPPER, TOTAL (UG/L AS CU)	26	0	14	12	2	
01051	LEAD, TOTAL (UG/L AS PB)	27	0	14	13	2	
71900	MERCURY, TOTAL (UG/L AS HG)	2	0	2	0	1	
01065	NICKEL, DISSOLVED (UG/L AS NI)	1	1	0	0	1	
01090	ZINC, DISSOLVED (UG/L AS ZN)	1	1	0	0	1	
01092	ZINC, TOTAL (UG/L AS ZN)	23	0	15	8	2	
		118	4	67	47	16	(3)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	222	59	26.6	6	14.6	37.0	01/28/71-09/14/98	8.0
pH	3781	3578	94.6	39	95.1	96.9	01/28/71-09/14/98	136.8
Conductivity	446	294	65.9	10	24.4	44.6	11/20/72-09/14/98	17.3
Dissolved Oxygen	3869	3714	96.0	38	92.7	101.8	01/28/71-09/14/98	140.0
Water Temperature	4834	4679	96.8	39	95.1	123.9	01/28/71-09/14/98	175.0
Flow	3370	3360	99.7	30	73.2	112.3	01/28/71-06/30/97	127.5
Clarity/Turbidity	4036	3675	91.1	38	92.7	106.2	01/28/71-09/14/98	146.1
Nitrate/Nitrogen	641	288	44.9	6	14.6	106.8	01/28/71-06/03/98	23.4
Phosphate/Phosphorus	450	133	29.6	6	14.6	75.0	01/28/71-06/03/98	16.5
Chlorophyll	88	68	77.3	6	14.6	14.7	10/03/73-03/14/90	5.4
Sulfates/Total Dissolved Solids/Hardness	122	45	36.9	6	14.6	20.3	01/28/71-05/14/91	6.0
Bacteria	503	176	35.0	5	12.2	100.6	02/23/71-09/14/98	18.3
Toxic Elements	118	4	3.4	3	7.3	39.3	10/29/73-08/03/88	8.0

Water Quality Observations
Outside STORET Edit Criteria for FOMA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	710128	1335	40820.0000000	21FLA	27010100	
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	710223	1150	41650.0000000	21FLA	27010100	
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	710317	1135	34680.0000000	21FLA	27010100	
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	710427	1135	40950.0000000	21FLA	27010100	
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	710628	1030	35180.0000000	21FLA	27010100	
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	710729	1040	38890.0000000	21FLA	27010100	
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	710818	1050	42570.0000000	21FLA	27010100	
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	721120	1255	37620.0000000	21FLA	27010100	
FOMA0001	00500	RESIDUE, TOTAL (MG/L)	730507	1245	41080.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	710128	1335	34270.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	710223	1150	33280.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	710317	1135	29980.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	710427	1135	34750.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	710628	1030	29280.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	710729	1040	30610.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	710818	1050	33940.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	721120	1255	31860.0000000	21FLA	27010100	
FOMA0001	00510	RESIDUE, TOTAL FIXED (MG/L)	730507	1245	34590.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710128	1335	40730.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710223	1150	41560.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710317	1135	34640.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710427	1135	40830.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710628	1030	35040.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710729	1040	38770.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710818	1050	42460.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	721120	1255	37510.0000000	21FLA	27010100	
FOMA0001	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	730507	1245	40990.0000000	21FLA	27010100	
FOMA0001	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710427	1135	8300.0000000	21FLA	27010100	
FOMA0001	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710729	1040	6100.0000000	21FLA	27010100	
FOMA0001	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710818	1050	6200.0000000	21FLA	27010100	
FOMA0001	00900	HARDNESS, TOTAL (MG/L AS CACO3)	721120	1255	6600.0000000	21FLA	27010100	
FOMA0001	00900	HARDNESS, TOTAL (MG/L AS CACO3)	730507	1245	7000.0000000	21FLA	27010100	
FOMA0001	00900	HARDNESS, TOTAL (MG/L AS CACO3)	731029	1235	6100.0000000	21FLA	27010100	
FOMA0001	00900	HARDNESS, TOTAL (MG/L AS CACO3)	740114	1230	6300.0000000	21FLA	27010100	
FOMA0001	00940	CHLORIDE,TOTAL IN WATER MG/L	731029	1235	22500.0000000	21FLA	27010100	
FOMA0005	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	880202	1330	1105.0000000	21FLSJWM	MRT	
FOMA0005	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	880803	0940	1460.0000000	21FLSJWM	MRT	
FOMA0005	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	890816	1325	1250.0000000	21FLSJWM	MRT	
FOMA0005	00930	SODIUM, DISSOLVED (MG/L AS NA)	870804	1315	8482.0000000	21FLSJWM	MRT	
FOMA0005	00930	SODIUM, DISSOLVED (MG/L AS NA)	880202	1330	9648.0000000	21FLSJWM	MRT	
FOMA0005	00930	SODIUM, DISSOLVED (MG/L AS NA)	880803	0940	11340.0000000	21FLSJWM	MRT	

Water Quality Observations
Outside STORET Edit Criteria for FOMA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
FOMA0005	00930	SODIUM, DISSOLVED (MG/L AS NA)	890201	1325	5712.0000000	21FLSJWM	MRT	
FOMA0005	00930	SODIUM, DISSOLVED (MG/L AS NA)	890816	1325	11000.0000000	21FLSJWM	MRT	
FOMA0005	00935	POTASSIUM, DISSOLVED (MG/L AS K)	870804	1315	343.0000000	21FLSJWM	MRT	
FOMA0005	00935	POTASSIUM, DISSOLVED (MG/L AS K)	880202	1330	343.4000000	21FLSJWM	MRT	
FOMA0005	00935	POTASSIUM, DISSOLVED (MG/L AS K)	880803	0940	475.0000000	21FLSJWM	MRT	
FOMA0005	00935	POTASSIUM, DISSOLVED (MG/L AS K)	890201	1325	245.0000000	21FLSJWM	MRT	
FOMA0005	00935	POTASSIUM, DISSOLVED (MG/L AS K)	890816	1325	438.0000000	21FLSJWM	MRT	
FOMA0005	00940	CHLORIDE,TOTAL IN WATER MG/L	890201	1325	46320.0000000	21FLSJWM	MRT	
FOMA0005	00945	SULFATE, TOTAL (MG/L AS SO4)	861009	1335	2700.0000000	21FLSJWM	MRT	
FOMA0005	00945	SULFATE, TOTAL (MG/L AS SO4)	870602	1300	3025.0000000	21FLSJWM	MRT	
FOMA0005	00945	SULFATE, TOTAL (MG/L AS SO4)	870804	1315	2761.0000000	21FLSJWM	MRT	
FOMA0005	00945	SULFATE, TOTAL (MG/L AS SO4)	880426	1325	2917.0000000	21FLSJWM	MRT	
FOMA0005	00945	SULFATE, TOTAL (MG/L AS SO4)	880803	0940	2678.0000000	21FLSJWM	MRT	
FOMA0005	00945	SULFATE, TOTAL (MG/L AS SO4)	881005	1420	2726.0000000	21FLSJWM	MRT	
FOMA0005	00945	SULFATE, TOTAL (MG/L AS SO4)	890816	1325	2810.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	861009	1335	34900.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	861202	1240	33257.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	870203	1250	31410.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	870407	1310	9101.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	870602	1300	33975.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	870804	1315	33750.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	871006	1355	35940.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	871130	1340	33290.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	880202	1330	31162.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	880426	1325	35774.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	880629	1445	35147.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	880803	0940	34918.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	881005	1420	31400.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	881207	1330	30144.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	890201	1325	19170.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	890329	1305	28611.0000000	21FLSJWM	MRT	
FOMA0005	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	890816	1325	34700.0000000	21FLSJWM	MRT	
FOMA0007	00500	RESIDUE, TOTAL (MG/L)	710128	1320	40090.0000000	21FLA	27010099	
FOMA0007	00500	RESIDUE, TOTAL (MG/L)	710223	1140	42330.0000000	21FLA	27010099	
FOMA0007	00500	RESIDUE, TOTAL (MG/L)	710317	1120	39830.0000000	21FLA	27010099	
FOMA0007	00500	RESIDUE, TOTAL (MG/L)	710427	1125	41720.0000000	21FLA	27010099	
FOMA0007	00500	RESIDUE, TOTAL (MG/L)	710628	1020	38850.0000000	21FLA	27010099	
FOMA0007	00500	RESIDUE, TOTAL (MG/L)	710729	1030	39790.0000000	21FLA	27010099	
FOMA0007	00500	RESIDUE, TOTAL (MG/L)	710818	1030	42780.0000000	21FLA	27010099	
FOMA0007	00500	RESIDUE, TOTAL (MG/L)	731120	1240	36360.0000000	21FLA	27010099	
FOMA0007	00510	RESIDUE, TOTAL FIXED (MG/L)	710128	1320	34550.0000000	21FLA	27010099	

Water Quality Observations
Outside STORET Edit Criteria for FOMA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
FOMA0007	00510	RESIDUE, TOTAL FIXED (MG/L)	710223	1140	33900.0000000	21FLA	27010099	
FOMA0007	00510	RESIDUE, TOTAL FIXED (MG/L)	710317	1120	33330.0000000	21FLA	27010099	
FOMA0007	00510	RESIDUE, TOTAL FIXED (MG/L)	710427	1125	34480.0000000	21FLA	27010099	
FOMA0007	00510	RESIDUE, TOTAL FIXED (MG/L)	710628	1020	31930.0000000	21FLA	27010099	
FOMA0007	00510	RESIDUE, TOTAL FIXED (MG/L)	710729	1030	31250.0000000	21FLA	27010099	
FOMA0007	00510	RESIDUE, TOTAL FIXED (MG/L)	710818	1030	34110.0000000	21FLA	27010099	
FOMA0007	00510	RESIDUE, TOTAL FIXED (MG/L)	731120	1240	30770.0000000	21FLA	27010099	
FOMA0007	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710128	1320	40020.0000000	21FLA	27010099	
FOMA0007	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710223	1140	42210.0000000	21FLA	27010099	
FOMA0007	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710317	1120	39800.0000000	21FLA	27010099	
FOMA0007	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710427	1125	41500.0000000	21FLA	27010099	
FOMA0007	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710628	1020	38750.0000000	21FLA	27010099	
FOMA0007	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710729	1030	39670.0000000	21FLA	27010099	
FOMA0007	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710818	1030	42670.0000000	21FLA	27010099	
FOMA0007	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	731120	1240	36380.0000000	21FLA	27010099	
FOMA0007	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710427	1125	8300.0000000	21FLA	27010099	
FOMA0007	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710729	1030	6100.0000000	21FLA	27010099	
FOMA0007	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710818	1030	6200.0000000	21FLA	27010099	
FOMA0007	00900	HARDNESS, TOTAL (MG/L AS CACO3)	731029	1225	6300.0000000	21FLA	27010099	
FOMA0007	00900	HARDNESS, TOTAL (MG/L AS CACO3)	731120	1240	5900.0000000	21FLA	27010099	
FOMA0007	00900	HARDNESS, TOTAL (MG/L AS CACO3)	740114	1220	6400.0000000	21FLA	27010099	
FOMA0007	00940	CHLORIDE,TOTAL IN WATER MG/L	731029	1225	23000.0000000	21FLA	27010099	
FOMA0007	00945	SULFATE, TOTAL (MG/L AS SO4)	901114	1001	3300.0000000	21FLA	27010099	
FOMA0016	00500	RESIDUE, TOTAL (MG/L)	710128	1305	40560.0000000	21FLA	27010098	
FOMA0016	00500	RESIDUE, TOTAL (MG/L)	710223	1120	42000.0000000	21FLA	27010098	
FOMA0016	00500	RESIDUE, TOTAL (MG/L)	710317	1110	40630.0000000	21FLA	27010098	
FOMA0016	00500	RESIDUE, TOTAL (MG/L)	710427	1115	41120.0000000	21FLA	27010098	
FOMA0016	00500	RESIDUE, TOTAL (MG/L)	710628	1010	40190.0000000	21FLA	27010098	
FOMA0016	00500	RESIDUE, TOTAL (MG/L)	710729	1020	42590.0000000	21FLA	27010098	
FOMA0016	00500	RESIDUE, TOTAL (MG/L)	710818	1015	41800.0000000	21FLA	27010098	
FOMA0016	00500	RESIDUE, TOTAL (MG/L)	721120	1145	36770.0000000	21FLA	27010098	
FOMA0016	00510	RESIDUE, TOTAL FIXED (MG/L)	710128	1305	34270.0000000	21FLA	27010098	
FOMA0016	00510	RESIDUE, TOTAL FIXED (MG/L)	710223	1120	33680.0000000	21FLA	27010098	
FOMA0016	00510	RESIDUE, TOTAL FIXED (MG/L)	710317	1110	34480.0000000	21FLA	27010098	
FOMA0016	00510	RESIDUE, TOTAL FIXED (MG/L)	710427	1115	35080.0000000	21FLA	27010098	
FOMA0016	00510	RESIDUE, TOTAL FIXED (MG/L)	710628	1010	33380.0000000	21FLA	27010098	
FOMA0016	00510	RESIDUE, TOTAL FIXED (MG/L)	710729	1020	33680.0000000	21FLA	27010098	
FOMA0016	00510	RESIDUE, TOTAL FIXED (MG/L)	710818	1015	33780.0000000	21FLA	27010098	
FOMA0016	00510	RESIDUE, TOTAL FIXED (MG/L)	721120	1145	31050.0000000	21FLA	27010098	
FOMA0016	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710128	1305	40490.0000000	21FLA	27010098	
FOMA0016	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710223	1120	41900.0000000	21FLA	27010098	

Water Quality Observations
Outside STORET Edit Criteria for FOMA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
FOMA0016	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710317	1110	40610.0000000	21FLA	27010098	
FOMA0016	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710427	1115	41020.0000000	21FLA	27010098	
FOMA0016	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710628	1010	40090.0000000	21FLA	27010098	
FOMA0016	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710729	1020	42380.0000000	21FLA	27010098	
FOMA0016	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710818	1015	41680.0000000	21FLA	27010098	
FOMA0016	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	721120	1145	36690.0000000	21FLA	27010098	
FOMA0016	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710427	1115	8400.0000000	21FLA	27010098	
FOMA0016	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710729	1020	6500.0000000	21FLA	27010098	
FOMA0016	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710818	1015	6200.0000000	21FLA	27010098	
FOMA0016	00900	HARDNESS, TOTAL (MG/L AS CACO3)	721120	1145	6200.0000000	21FLA	27010098	
FOMA0016	00900	HARDNESS, TOTAL (MG/L AS CACO3)	731029	1200	6000.0000000	21FLA	27010098	
FOMA0016	00900	HARDNESS, TOTAL (MG/L AS CACO3)	740114	1205	6200.0000000	21FLA	27010098	
FOMA0016	00940	CHLORIDE,TOTAL IN WATER MG/L	731029	1200	22500.0000000	21FLA	27010098	
FOMA0016	00945	SULFATE, TOTAL (MG/L AS SO4)	901114	0926	3300.0000000	21FLA	27010098	
FOMA0017	00940	CHLORIDE,TOTAL IN WATER MG/L	731003	0755	23500.0000000	21FLA	27010134	
FOMA0038	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	880518	1000	7620.0000000	112WRD	294602081151901	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710128	1200	40050.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710223	1050	39860.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710317	1045	36810.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710427	1100	41000.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710524	1100	40050.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710628	0955	40970.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710729	1005	41880.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710818	1010	41540.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	710818	1010	41540.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	721120	1130	30850.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	721120	1130	30850.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	730507	1010	50540.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	730507	1610	50540.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	740408	1415	42890.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	740603	1015	53560.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	740701	1025	32670.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	740827	1330	37340.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	741023	1015	45350.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	741113	1000	51110.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	750108	1410	40020.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	750212	0930	42520.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	750311	1330	38240.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	750416	0900	38180.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	750514	1030	37843.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	760216	1440	41560.0000000	21FLA	27010097	

Water Quality Observations
Outside STORET Edit Criteria for FOMA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	760413	1340	42930.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	760707	1400	37780.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	761004	1230	41530.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	761208	1215	38690.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	770126	1000	35350.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	770202	1115	34410.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	770307	1200	35810.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	770420	1145	44320.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	770629	0915	42580.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	770718	1000	42200.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	770817	1500	40790.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	770919	1100	41400.0000000	21FLA	27010097	
FOMA0041	00500	RESIDUE, TOTAL (MG/L)	780424	1005	43920.0000000	21FLA	27010097	
FOMA0041	00505	RESIDUE, TOTAL VOLATILE (MG/L)	730507	1010	17070.0000000	21FLA	27010097	
FOMA0041	00505	RESIDUE, TOTAL VOLATILE (MG/L)	730507	1610	17070.0000000	21FLA	27010097	
FOMA0041	00505	RESIDUE, TOTAL VOLATILE (MG/L)	740603	1015	16720.0000000	21FLA	27010097	
FOMA0041	00505	RESIDUE, TOTAL VOLATILE (MG/L)	741023	1015	12120.0000000	21FLA	27010097	
FOMA0041	00505	RESIDUE, TOTAL VOLATILE (MG/L)	741113	1000	17840.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710128	1200	33480.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710223	1050	30840.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710317	1045	31760.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710427	1100	34220.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710524	1100	35400.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710628	0955	33890.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710729	1005	33250.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710818	1010	32900.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	710818	1010	32900.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	721120	1130	26050.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	721120	1130	26050.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	730507	1010	33470.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	730507	1610	33470.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	740408	1415	34930.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	740506	1145	37440.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	740603	1015	36830.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	740701	1025	27090.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	740827	1330	29230.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	741023	1015	33230.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	741113	1000	33260.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	750108	1410	34050.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	750212	0930	32640.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	750416	0900	31000.0000000	21FLA	27010097	

Water Quality Observations
Outside STORET Edit Criteria for FOMA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	750514	1030	32652.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	760216	1440	32770.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	760413	1340	33690.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	760707	1400	31960.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	761004	1230	35290.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	761208	1215	34790.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	770126	1000	31770.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	770202	1115	29730.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	770307	1200	32470.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	770420	1145	35880.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	770629	0915	35950.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	770718	1000	35980.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	770817	1500	36940.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	770919	1100	35790.0000000	21FLA	27010097	
FOMA0041	00510	RESIDUE, TOTAL FIXED (MG/L)	780424	1005	35020.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710128	1200	39960.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710223	1050	39750.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710317	1045	36780.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710427	1100	40880.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710524	1100	39940.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710628	0955	40860.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710729	1005	41790.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710818	1010	41450.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	710818	1010	41450.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	721120	1130	30800.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	721120	1130	30800.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	730507	1010	50450.0000000	21FLA	27010097	
FOMA0041	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	730507	1610	50450.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710427	1100	9000.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710729	1005	6500.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710818	1010	6200.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	710818	1010	6200.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	730507	1010	6500.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	730507	1610	6500.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	731029	1135	6000.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	740114	1140	6000.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	740204	1315	6500.0000000	21FLA	27010097	
FOMA0041	00900	HARDNESS, TOTAL (MG/L AS CACO3)	750108	1410	8400.0000000	21FLA	27010097	
FOMA0041	00927	MAGNESIUM, TOTAL (MG/L AS MG)	760413	1340	2040.0000000	21FLA	27010097	
FOMA0041	00927	MAGNESIUM, TOTAL (MG/L AS MG)	760816	1130	1540.0000000	21FLA	27010097	
FOMA0041	00929	SODIUM, TOTAL (MG/L AS NA)	760413	1340	25000.0000000	21FLA	27010097	

Water Quality Observations
Outside STORET Edit Criteria for FOMA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
FOMA0041	00929	SODIUM, TOTAL (MG/L AS NA)	760816	1130	16500.0000000	21FLA	27010097	
FOMA0041	00930	SODIUM, DISSOLVED (MG/L AS NA)	760216	1440	10400.0000000	21FLA	27010097	
FOMA0041	00937	POTASSIUM, TOTAL MG/L AS K)	760413	1340	640.0000000	21FLA	27010097	
FOMA0041	00937	POTASSIUM, TOTAL MG/L AS K)	760816	1130	500.0000000	21FLA	27010097	
FOMA0041	00940	CHLORIDE,TOTAL IN WATER MG/L	731003	0932	22500.0000000	21FLA	27010097	
FOMA0041	00940	CHLORIDE,TOTAL IN WATER MG/L	761208	1215	38610.0000000	21FLA	27010097	
FOMA0041	00940	CHLORIDE,TOTAL IN WATER MG/L	890424	1255	23678.0000000	21FLA	27010097	
FOMA0041	00945	SULFATE, TOTAL (MG/L AS SO4)	731210	1245	3400.0000000	21FLA	27010097	
FOMA0041	00945	SULFATE, TOTAL (MG/L AS SO4)	740114	1140	4000.0000000	21FLA	27010097	
FOMA0041	00945	SULFATE, TOTAL (MG/L AS SO4)	740408	1415	3132.0000000	21FLA	27010097	
FOMA0041	00945	SULFATE, TOTAL (MG/L AS SO4)	740603	1015	3900.0000000	21FLA	27010097	
FOMA0041	00945	SULFATE, TOTAL (MG/L AS SO4)	760707	1400	2920.0000000	21FLA	27010097	
FOMA0041	00945	SULFATE, TOTAL (MG/L AS SO4)	770126	1000	2650.0000000	21FLA	27010097	
FOMA0041	00945	SULFATE, TOTAL (MG/L AS SO4)	770307	1200	3780.0000000	21FLA	27010097	
FOMA0041	00945	SULFATE, TOTAL (MG/L AS SO4)	901114	0811	3600.0000000	21FLA	27010097	
FOMA0041	01040	COPPER, DISSOLVED (UG/L AS CU)	760216	1440	5000.0000000	21FLA	27010097	X
FOMA0041	01040	COPPER, DISSOLVED (UG/L AS CU)	760322	1330	15000.0000000	21FLA	27010097	X
FOMA0041	01045	IRON, TOTAL (UG/L AS FE)	760216	1440	350000.0000000	21FLA	27010097	X
FOMA0041	01045	IRON, TOTAL (UG/L AS FE)	760322	1330	250000.0000000	21FLA	27010097	X
FOMA0041	01051	LEAD, TOTAL (UG/L AS PB)	760322	1330	10000.0000000	21FLA	27010097	X
FOMA0041	01092	ZINC, TOTAL (UG/L AS ZN)	760216	1440	90000.0000000	21FLA	27010097	X
FOMA0041	01092	ZINC, TOTAL (UG/L AS ZN)	760322	1330	70000.0000000	21FLA	27010097	X

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where COMPRESS.ZIP is the name of one of the seven compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where COMPRESS.ZIP is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) FOMATABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) FOMASITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) FOMAAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) FOMAAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) FOMAOV0.DOC - Overview of park and retrieved data.

(e) FOMAOV1.DOC - Station period of record table.

(f) FOMAOV2.DOC - Parameter period of record table.

(g) FOMAOV3.DOC - Station/parameter period of record table.

(h) FOMAINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) FOMASEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) FOMAEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) FOMAIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) FOMABAD.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 FOMAOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\FOMAOV1.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) FOMAFIGS.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 FOMA0001. 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 FOMA0001) 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) FOMAPARM.ZIP

This file compresses FOMAPARM.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) FOMASITE.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) FOMAWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) FOMAIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) FOMADRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) FOMAGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) FOMADAMS.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) FOMAMISC.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) FOMAEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) FOMATOC.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) FOMAREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) FOMAWQ - 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 (FOMAWQA, FOMAWQB, FOMAWQC, etc.) and the index map name will end with an ampersand (&).

(g) FOMAIDG - 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 (FOMAIDGA, FOMAIDGB, FOMAIDGC, 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) FOMASEHY - 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 FOMAFIGS.ZIP and FOMATABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in FOMAMISC.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) FOMARF3.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) FOMAWQMW.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: FOMAPARM.DBF in FOMAPARM.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: FOMAPARM.DBF in FOMAPARM.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: FOMAPARM.DBF in FOMAPARM.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: FOMAWQ.DBF in FOMASITE.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: FOMAWQ.DBF in FOMASITE.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: FOMAIFD.DBF in FOMASITE.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: FOMAIFD.DBF in FOMASITE.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: FOMAIFD.DBF in FOMASITE.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: FOMADRIN.DBF in FOMASITE.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: FOMADRIN.DBF in FOMASITE.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: FOMADRIN.DBF in FOMASITE.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: FOMAGAGE.DBF in FOMASITE.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: FOMAGAGE.DBF in FOMASITE.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: FOMADAMS.DBF in FOMASITE.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: FOMADAMS.DBF in FOMASITE.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: FOMADAMS.DBF in FOMASITE.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: FOMADAMS.DBF in FOMASITE.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 FOMARF3.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 FOMARF3.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 FOMARF3.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 FOMARF3.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 FOMARF3.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 FOMARF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20c			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20c			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20c			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020c			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20c			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[p]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[p]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200[^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

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7440020	81752	1400[+]	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[l]	TURBIDITY, FIELD	NTU	Physical
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
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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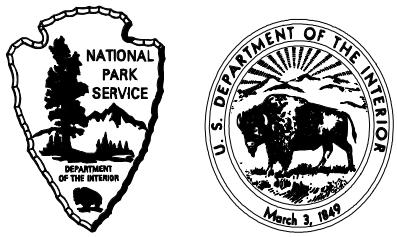
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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, 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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